



Product catalog

Rel. 02_02_03C



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A reliable partner for a prestigious choice



References and projects developed by Aliseo Group brands

BURJ TOWER - DUBAI, U.A.E. • YAS MARINA HOTEL - ABU DHABI, U.A.E. • BURJ AL ARAB - DUBAI, U.A.E. • EMIRATES ENGINEERING CENTER - DUBAI, U.A.E. • ROSEWOOD HOTEL - ABU DHABI, U.A.E. • WILSON CENTER - DUBAI, U.A.E. • DUBAI MALL - DUBAI, U.A.E. • MALL OF THE EMIRATES - DUBAI, U.A.E. • MALL OF DUBAI - DUBAI, U.A.E. • MALL OF MUMBAI - MUMBAI, INDIA. • PALAZZO REALE VENARIA - TURIN • "S. RAFFAELE" HOSPITAL - ROMA • PIRELLI, SETTIMO TONINO



AI, U.A.E. • MINISTRY OF DEFENCE - ABU DHABI, U.A.E. • DUBAI MALL PROJECT - DUBAI, U.A.E. •
WORLD TRADE CENTER, QATAR • AL WAKRA HOSPITAL, QATAR • BUSINESS PARK CROWN PLAZA
EQUINE HOSPITAL FOR H H SHK MOHAMMED - DUBAI • BASE NATO EUROPE DISTRICT - AVI-
MIO TORINESE - TURIN • BANCA D'ITALIA - GENOVA • UNIVERSITY - MILAN • PALAVELA - TURIN

A complete range of solutions for any comfort needs



References and projects developed by Aliseo Group brands

BMW WORKS - MÜNICH, GERMANY • MERCEDES BENZ WORKS - STUTTGART, GERMANY • STEELWORKS - MÜNICH, GERMANY • CARTIER PALACE - AMSTERDAM, NETHERLANDS • UNIVERSITY OF SCIENCES - MADRID, SPAIN • ESPANOLA S.A. TELEVISION - MADRID, SPAIN • WILHEMIN HOSPITAL - WIEN, AUSTRIA • BUILDING OF SWISS GOVERNMENT EDA - BERN, SWITZERLAND • PHILIP MORRIS FACTORY, SWITZERLAND



WIND NORDENHAM GMBH - GERMANY • MÜNICH, GERMANY • MÜNCHEN HOSPITAL - HARLACHING, GERMANY • AMSTERDAM, NETHERLANDS • GENERAL HOSPITAL - MADRID, SPAIN • TORRE DE CRISTAL - MADRID, SPAIN • HILTON HOTEL - WIEN, AUSTRIA • COURTHOUSE - WIEN, AUSTRIA • AIRPORT - WIEN, AUSTRIA • BERGAMO, ITALY • NEW ØRESUND BRIDGE - SWEDEN • SWEDISH ROYAL THEATRE - STOCKHOLM, SWEDEN •

A unique partner for an overall solutions



References and projects developed by Aliseo Group brands

MASERATI WORKS - MODENA • AERMACCHI WORKS - VARESE • DIESEL - VICENZA • DIADORA WORKS - VENICE • INSTITUTE OF PHOTONICS - MILAN • INSTITUTE OF NUCLEAR PHYSICS - FLORENCE • AIRPORT - PISA • METRO - MILAN • UNIVERSITY - SAVONA • HOSPITAL - MILAN • S.S. GIOVANNI BATTISTA - RONA • AIRPORT - OLBIA • BAULI CONFECTIONERY - VERONA • BARILLA FOOD INDUSTRY - MELFI •



WORKS - TREVISO • DUCATI MOTORS - BOLOGNA • FERRARI STORE - MARANELLO • CORRER MUSEUM - VENEZIA
• VENDRAMIN PALACE - VENICE • "MOLINO STUCKY" GRAND HOTEL - VENICE • NESTLE' - FROSINONE
• GIOVANNI AND PAOLO CIVIL HOSPITAL - VENICE • S. PAOLO STADIUM - NAPLES • UNIVERSITY - VERONA
• NEGRONI FOOD INDUSTRY - CREMONA • YOMO FOOD INDUSTRY - MILAN • FIAT WORKS - TURIN •

Quality and knowledges, supporting your goals



References and projects developed by Aliseo Group brands

HOSPITAL OF MANERBIO - BRESCIA • SAN CAMILLO HOSPITAL - ROME • CISANELLO HOSPITAL - PISA
HOSPITAL DE DIA ONCOLOGIA - PORTUGAL • HOSPITAL LA PAZ - SPAIN • HOSPITAL DO MARCO DE C
HOSPITAL DE ALVAIÀZERE - PORTUGAL • AL SABAH HOSPITAL, KUWAIT • HOSPITAL SOUTHMEAD - E
FRESENIUS KABI - ITALY • GROUP SAIDAL INDUSTRIE PHARMACEUTIQUE – ITALY • AUROBINDO PHAR



• HOSPITAL - UDINE • HOSPITAL RUZOMBEROK - CZECH REPUBLIC • HOSPITAL ROOMS - ROMANIA • CANAVESES - PORTUGAL • LARNACA HOSPITAL - CYPRUS • ONCOLOGICAL HOSPITAL - BULGARIA • ENGLAND • HOSPITAL WITHY BUSH - ENGLAND • HOSPITAL MATER DEI ONCOLOGY CENTRE - MALTA • MA - MALTA • DR. SULAMAIN HOSPITAL, SAUDI ARABIA • AL SILLA COMMUNITY HOSPITAL - DUBAI •

Aliseo Group Network





Aliseo Group is a 100% Italian industrial company that offers a complete range of solutions to ensure the desired climate and air quality for all requirements regarding air conditioning, heating, filtration and energy recovery.



Aliseo Group Network

A Group SpA (Ventilclima, Eden, Venco)

TREVISO - ITALY

Mekar Srl

VERONA - ITALY

Mekar Air Handling Units LLC

AJMAN - UAE

Mekar Air Handling Units LLC

JEDDAH - K.S.A.

Mekar Air Handling Units LLC

RIYADH - K.S.A.

Mekar Air Handling Units WLL

DOHA - QATAR

Mekar Air Conditioning Units LLC

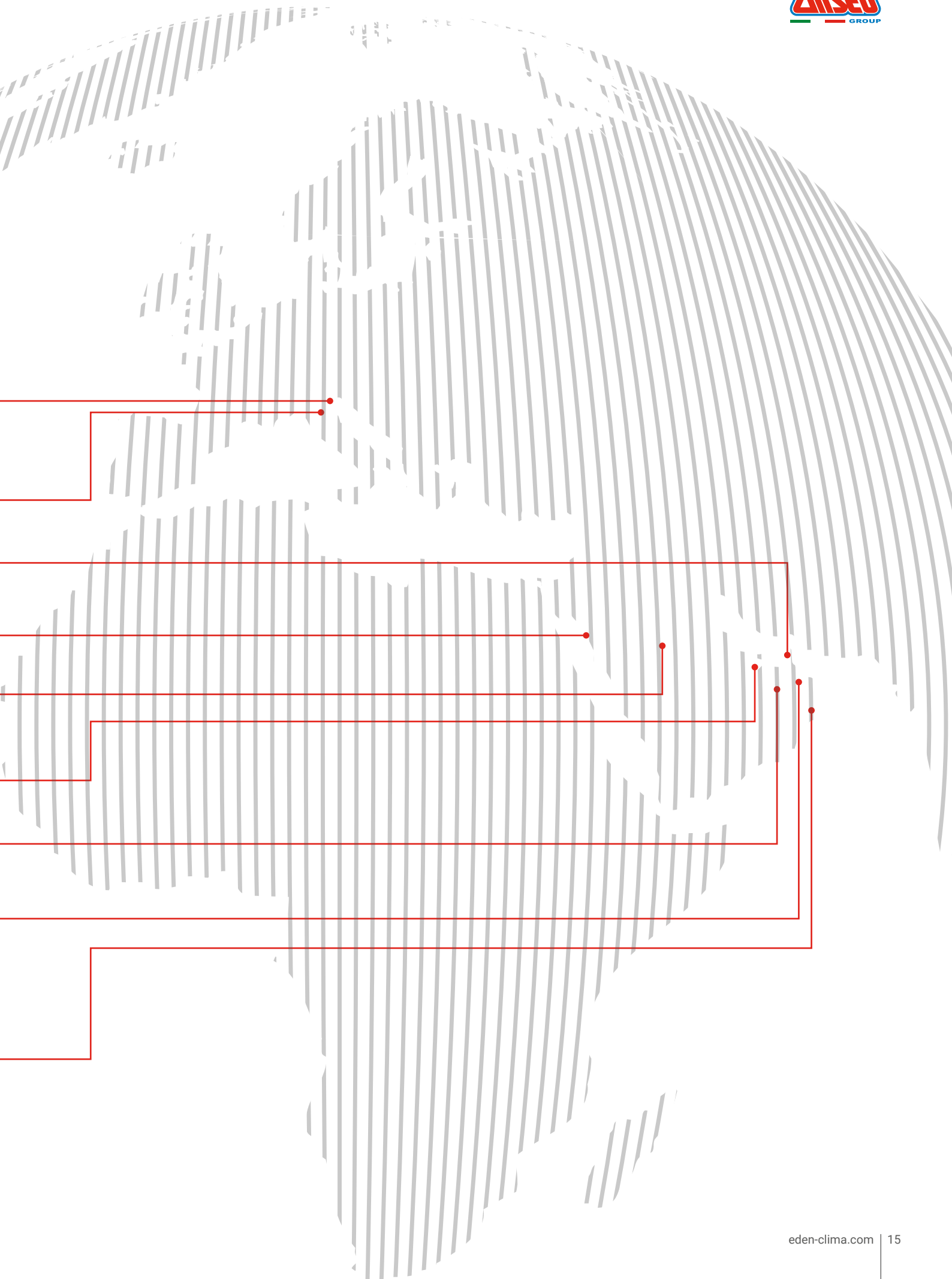
ABU DHABI - UAE

Royal Gulf LLC

DUBAI - UAE

Royal Gulf Air Conditioning Company LLC

MUSCAT - OMAN







Eden's primary objective is to provide the most suitable solution according to the desired level of comfort and sustainable investment.

Thanks to our unequivocal aspiration to constantly pursue full customer satisfaction, over the years **Eden** has succeeded in consolidating an engineering organization with the tools and capabilities needed to design, develop and produce dedicated solutions, in record times and for multiple application areas. Our ultimate goal is to produce the one most valuable thing in a building: comfort.





Mission



Our mission

Our mission is clear: to remain faithful to our values and ethical principles that since 1974 have allowed us to grow by doing what we do best: improving the quality of life of our customers, offering optimal comfort guaranteed by innovative solutions and informed decisions.

For over 45 years we have committed ourselves daily to the research, design and production of Made in Italy solutions that provide efficient and high-performing products to improve the psychophysical wellbeing of the occupants and ensure greater environmental sustainability.



Over the years we have adapted and evolved, but our essence has remained integral.

We always get back in the game to better understand the needs of our customers, and we are proud to realize that our values and know-how have won us the trust of a vast and demanding international clientele. Our customers see us as a reliable partner who can supply the most valuable thing in a building: comfort.

Our experience, perseverance and total dedication to full customer satisfaction - ensured by the human capital of our team - have allowed us to achieve important goals over the years, including the privilege of being chosen as the ideal partner in hundreds of projects of unquestionable prestige and international fame.



Applications



Innovative solutions, for every kind of need

The experience and know-how acquired in over 45 years of activity in the sector, wide-ranging flexibility and dynamism that has always characterized our company's DNA and the ever increasing attention paid to the human capital that makes up our team, have garnered us recognition on the market today as a reliable player who offers fully customized solutions according to customer specifications.

Thanks to our engineering, a research laboratory and partnership with the foremost European laboratories, we respond to all sorts of needs, whether it involves air treatment for comfort purposes or specific areas such as industry, manufacturing, naval, hospital, food or oil & gas, where durability, reliability and full operation must always be guaranteed.

With dedication and passion we know how to listen to the needs of our customers, and supply turnkey solutions, guaranteed by years of experience in the sector and by products designed, developed and manufactured entirely in Italy.



Residential



Business



Public



Industrial



Naval



Chemical



Enology



Museum



Hospital



Food



Process



Pharmaceutical



Customized solutions



Customized solutions, without limits

Flexibility and expertise in providing customized solutions are characteristics that have always distinguished our Group.

Thanks to over 45 years of experience, a trained technical staff and a dynamic and flexible production department, we are able to satisfy the most varied requests of customers, guaranteeing a broad range of customization, from a purely aesthetic aspect to products with specific finishes, up to more advanced solutions that affect the thermodynamic, mechanical and aeraulic environment. All guaranteed by high-precision design process with a corresponding feasibility study.



Applications include dedicated installations in buildings subject to constraints, such as museums or historic buildings, where it is necessary to provide customized solutions that comply with various restrictions such as dimensional limits, accessibility, low noise, a discreet aesthetic impact or stringent requirements in terms of safety and fire-resistance. Then there might be more complex units in which a cooling circuit is combined with the aeraulic system to offer compact and efficient solutions for specific application areas in which it is not possible to operate with standard solutions.



Quality



Quality and performance, certified

Our goal is total customer satisfaction, which is why we have always rigorously applied a meticulous and constant method to improve our products and processes, in terms of performance, a highly focused research and development phase backed up by advanced tools for testing and verification and, finally, reliable control of the entire company process certified according to ISO 9001.

The numerous certifications we have obtained – among which the latest with the most stringent health and hygiene requirements in the innovative product series – comply with the criteria of VDI 6022.

This is a testimony of priority attention and constant commitment to various issues, such as innovation, quality, efficiency and the unmitigated reliability of the solutions and product ranges we offer to the market.



A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Certificate no. 03.01.094
Fan Coil Units



**Hygiene compliance test
no. W-294689-18-WD**
• VDI 6022, Part 1 (01/2018)
• SWKI VA104-01 (04/2006)
ELIOS-Hy fan coil unit



**Hygiene compliance test
no. W-294690-18-WD**
• VDI 6022, Part 1 (01/2018)
• SWKI VA104-01 (04/2006)
SOFT-Hy cassette



Certificate no. 1368/6

EA Activity: 18
Design, production and assistance of air conditioning and refrigeration equipment: fan coil units, ventilated convectors, ductable units, heat recovery units, liquid chillers, heat pumps, roof top units and condensing units.

CE marking

The products comply with the requirements of the European Union directives.



Wellbeing



Adequate filtration, the first source of well-being

Defense against the polluting agents that we breathe for most of the day inside various environments is of significant interest in today's world and subject to increasingly stringent regulations.

Humanity is every more aware of how our psychophysical conditions can be put at risk by the onset of disease, allergies and infections of the respiratory system due to increasing levels of airborne microbiological pollutants, such as viruses, bacteria and mold, invisible to the human eye but significantly harmful to the body when inhaled.

Eden products can be configured with a wide range of filters in many different efficiency classes, various constructional and dimensional characteristics, and a high capacity for meeting the most diverse application specificities to ensure health in our environments and in the air we breathe.

Clean Life system

With the ultimate goal of offering increasingly innovative and high-performing filtration systems while also meeting the more stringent requirements of energy-saving and efficiency, **Eden** has developed an innovative electronic filter called *Clean Life System*. It is the fruit of intensive research born with the aim of guaranteeing remarkable air treatment in terms of absolute purity, and clearly improving environmental hygiene qualities, in direct benefit to the occupants' cognitive conditions and performance levels.

The *Clean Life System*, applicable to different product series, ensures:

- High filtration efficiency, comparable to a HEPA filter
- Greater energy efficiency thanks to infrequent drops in pressure
- Durability of the components
- Easy maintenance
- A major reduction in environmental impact
- A major reduction in disposal costs



Noiselessness



Noiselessness, psychophysical wellbeing

Excellent psychophysical well-being can only be achieved if climate comfort and adequate filtration are guaranteed by solutions that operate with minimal noise emissions.

Today, **Eden** is recognized on the market as a reference player in providing solutions that comply with this important and sensitive aspect that significantly affects the quality of the environment where the occupant resides.

Full confirmation of our know-how and capabilities is primarily reflected by the countless highly prestigious orders we have received for luxury hotels, museums, executive offices, resorts, theaters and public places in general in which **Eden** is chosen as the ideal partner to provide demanding customers with the best conditions of comfort, while also minimizing noise emissions.

High-performance products that are efficient and quiet could only be supplied by a long and complex process of research and development, aimed at minimizing drops in pressure and turbulence generated by the air flow. This involved a high-precision study of geometries and a meticulous selection of innovative components to be validated by painstaking work in the laboratory. All of this was essential to finding the best solution for each specific application requirement.

Today, **Eden** is on the market with a range of cutting-edge products with low noise emissions, a feature that strongly distinguishes the **ELIOS** fan coil series and the **SOFT** cassette fan coil, high-end products also thanks to their superlative combination of high performance and maximum operating silence.



Health



Skills and know-how, to protect health

Today it is vital for companies to guarantee an ideal healthy climate within various environments, ensuring both comfort and safety, favoring the psychophysical wellbeing of individuals, while improving their health, performance and concentration.

Appropriate air management, not only in terms of the temperature but also the purity of the air, in the environments where we live, represents a vital aspect for the well-being of the occupants as it superbly maintains their health conditions.



**Hygiene compliance test
no. W-294689-18-WD**
• VDI 6022, Part 1 (01/2018)
• SWKI VA104-01 (04/2006)
ELIOS-Hy fan coil unit



**Hygiene compliance test
no. W-294690-18-WD**
• VDI 6022, Part 1 (01/2018)
• SWKI VA104-01 (04/2006)
SOFT-Hy cassette

Eden set out to give a concrete answer to the primary aspect of user protection by designing, developing and certifying a dedicated range of units that guarantee a high standard of hygiene, with a broad range of fields of application. These applications include the most common areas such as offices, schools, gyms, spas and shared spaces in general where a healthier and safer environment is created. Then we provide even more sensitive applications for places such as hospitals, clinics, the food and pharmaceutical industries in which absolute levels of hygiene must be guaranteed.

The introduction of innovative technical construction solutions, the use of stainless materials and cutting-edge polymers tested according to **DIN EN ISO 846** and capable of inhibiting bacterial proliferation, have led to the creation of two series of products conforming to the parameters imposed by the **VDI 6022** guidelines.

These are ever more widely recognized at the European level as a reference for the state-of-the-art design of public spaces where excellent hygiene and comfort can be ensured to the total benefit of the public well-being.



Safety



Comfort and well-being, in total safety

The protection of the health and safety of the occupants are essential elements for us. For this reason, we give unequivocal and indispensable priority in bringing to the market products that, in addition to providing the required comfort, also aim to protect people, especially in crowded places such as public schools, cinemas, clubs or even more sensitive places such as hospitals, military environments and logistics facilities where it is imperative to ensure full operational continuity.

It is with this objective that we work constantly, not only with a view to comply with current regulations, whether European or pertaining to a specific target market, but also in order to foresee market needs (wherever possible) and promptly introduce innovative construction techniques, the use of hi-tech, durable materials combined with advanced components to guarantee the best performance not only in terms of comfort but also in terms of safety.



Tangible application examples are the multiple types of products specifically designed for applications in public spaces, where the units have been equipped with intrinsically non-combustible insulating materials and the use of LSZH halogen-free cables, which minimize the production of opaque fumes and toxic gases. Another example are the units suitable for explosive atmospheres, distinguished by ATEX certified components.

Some implementations have required redundant components to ensure full operation even in the event of technical failures; the creation of special or armored roofing to lend a pleasant aesthetic appeal, greater resistance, the capacity to prevent tampering, maintain the dignity of the public space and the safety of the people present.



Efficiency



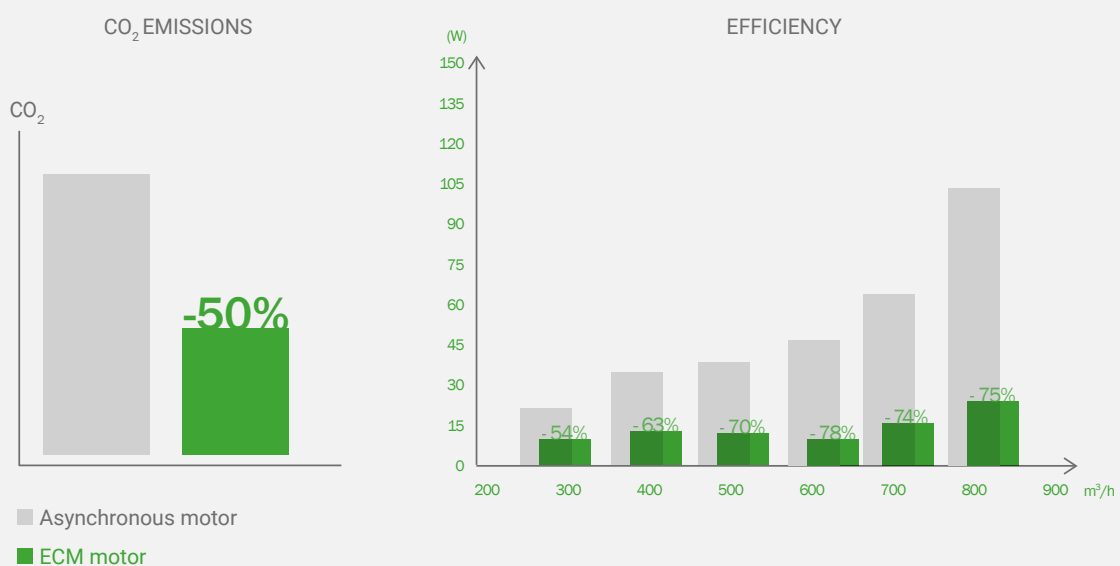
High efficiency... significant savings and respect for the environment

For us, efficiency means guaranteeing ideal comfort while curbing energy consumption to reduce operating costs and protect the environment by reducing CO₂ emissions.

To achieve this goal we rely on innovation, which we apply rigorously and consistently in our products, as we have been doing for years with the **ECM** product series.

These products are equipped with brushless motors controlled by dedicated inverters which make it possible to modulate the air flow with high precision because they supply only the amount of energy needed for the actual workload, preventing unnecessary waste.

In addition to minimizing energy consumption by more than 75% compared to traditional asynchronous motors, the units with **ECM** motors significantly improve environmental comfort through a constant variation of the air flow. The benefit is the immediate achievement of the desired thermal load and maintenance of it throughout the day, while also ensuring a quieter operation.



*The above data are purely indicative and refer to the SOFT-ECM 600x600 cassette series.
Data may vary based on multiple variables such as working conditions, accessories and field of application.*



Support



Quality and skills, at your service

Every day we do our best to make our brand a synonym and guarantee of reliability, quality and maximum durability. This is why we work constantly to also offer a complete and professional after-sales service. Our team of specialized technicians and a network of international partners support our customers with qualified consultancies aimed at providing technical assistance and ongoing training.

Our professional after-sales service responds in a timely manner to every need, from the formulation of estimates for spare parts to the planning of technical interventions on site; technical consultancies dedicated to the creation of customized solutions, while minimizing inconvenience to the customer and guaranteeing full operation of the environments in which our products are installed.



support



analysis & consulting



installation & testing



spare parts



preventive maintenance



training

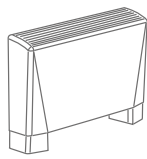
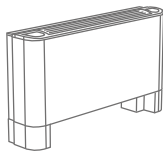
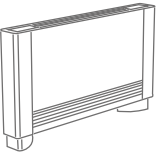
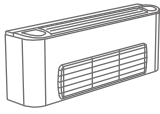
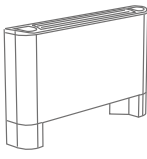
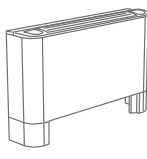
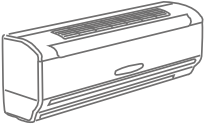
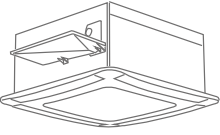
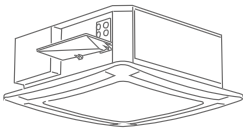
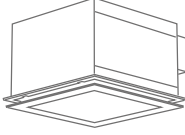
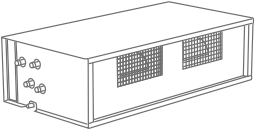
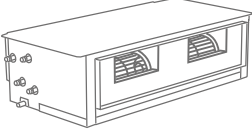
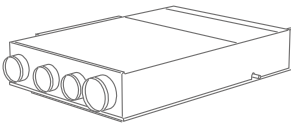
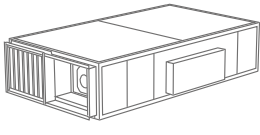
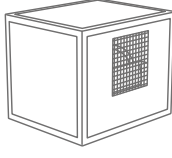



technical assistance



customized warranty solutions

Product range

FAN COIL UNITS	 <p>ELIOS ELIOS-ECM</p>	 <p>ELIOS-Hy ELIOS-ECM-Hy</p>	 <p>WIND WIND-ECM</p>	
SPECIAL FAN COIL UNITS	 <p>MINIFLAT-ECM</p>	 <p>BABYWIND</p>	 <p>FLAT</p>	 <p>LIVE</p>
WALL MOUNTED FAN COIL UNITS	 <p>FEEL</p>			
CASSETTE FAN COIL UNITS	 <p>SOFT SOFT-ECM 600X600</p>	 <p>SOFT SOFT-ECM 900X900</p>	 <p>SOFT-ECM-Hy 600X600</p>	
DUCTABLE AIR TREATMENT UNITS	 <p>EOS EOS-ECM</p>	 <p>FCC/FCV FCC/FCV-ECM</p>		
HEAT RECOVERY UNITS	 <p>COMBI-ECM</p>	 <p>FLOW-SHE/HHE FLOW-SHE/HHE-ECM</p>		<p>EXTRACT FAN BOX</p>  <p>CLEAN</p>
CONTROL	 <p>CONTROLLERS</p>			

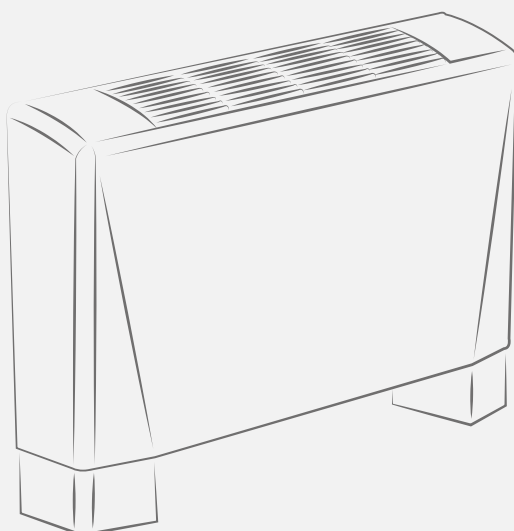
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CONTROLLERS	Controllers and thermostats	298

ELIOS


ELIOS-ECM


Centrifugal fan coil unit




A GROUP S.p.A (Trademark EDEN) participates in the ECP programme for FCU. Check ongoing validity of certificate: www.eurovent-certification.com

Design and performance, with maximum silence

 0.5 ÷ 9.0 kW
cooling

 0.5 ÷ 9.8 kW
heating

 50%
energy saving up to 50%

 61 - 1670 m³/h
air flow







Sophisticated design and maximum level of silence:

the series represents the perfect combination of innovation and design, where the technological choices adopted allow to achieved maximum comfort with maximum level of silence. Furthermore, the particular research on design guarantees refined and minimal forms, which ensure a discrete integration in any application context, be it modern or traditional.



Bearing structure:

structure in Z200 hot-dip galvanized steel sheet 0.8mm thick, insulated with 5mm-thick closed cell polyolefin-based insulation. Condensate drain basin in the shape of an "L" in Z140 hot galvanized sheet pre-painted 0.8 mm thick and insulated with 3mm-thick closed cell polyolefin-based insulation, complete with connection for condensate drain external Ø 20 mm.



Cover cabinet:

Cabinet in hot-dip galvanized steel sheet and pre-coated with a polyvinyl chloride film to guarantee high resistance to corrosion, pure white RAL 9010. The sides, the air diffusion grilles and the flaps are instead made of injection-molded reinforced ABS and opaque white color. Other colors and special finishes available on request.



Filter:

of standard supplied regenerable filter with galvanized steel frame and polypropylene filter fabric with efficiency class G1 * / EU1 **. Alternatively, a wide range of filters with greater efficiencies are available, including G2 * / EU2 ** and G3 * / EU3 ** or the innovative electronic filter that allows a complete purification of the air and at the same time ensures high efficiencies thanks to minimum load losses. (* according to EN779 / ** according to Eurovent)



Fan section:

consisting of double intake centrifugal fans, with impellers in aluminum, or ABS statically and dynamically balanced, directly fitted onto the motor shaft. Single-phase asynchronous electric motor with overload protection, 6 rotation speeds (3 of which are connected). The motor is directly coupled to the fans, and cushioned with elastic supports for the benefit of low noise. The ECM series is instead equipped with innovative Brushless ECM motors, high head motors or motors with fail contact.



Coils:

Copper tube coil with aluminum fins with continuous pack blocked on the tubes by mechanical expansion. Brass manifolds equipped with Ø 1/2 " ~ 3/4" female gas connections and easily accessible air vent valves. Hydraulic connections positioned on the left (front view) on request supplied on the right. The coils are reversible, so the connection side can also be reversed on site. The heat exchange coil is not suitable for use in corrosive atmospheres.



Cables LSZH Halogen Free (optional):

the series, on request and where possible, can also be supplied with halogen-free LSZH electric cables, therefore with low emission of fumes and toxic gases, for particular types of installation where it is necessary to guarantee maximum user safety.



Customization:

our engineering is able to satisfy any customization requirement, ranging from simple aesthetic finishes to the satisfaction of specific dimensional, performance or application constraints.

Details make the difference

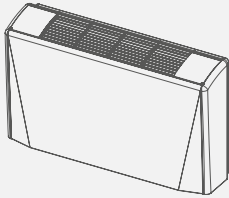
Compact fan coil with low thickness, which is characterized by the perfect combination of design, efficiency, performance and the lowest sound emissions of all time, which allow this series to be placed at the top of the range.

Available in 10 sizes and 4 versions (M/MF/I/IF) with 3 or 4 row heat exchange coils for 2-pipe systems, 1 or 2 rows for 4-pipe systems. The wide range of optional motors also makes it possible to reach ducted installations with load losses up to 60 Pa.

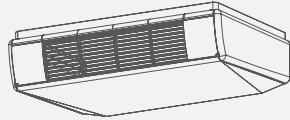
A wide range of controls and accessories allows us to provide solutions for any installation requirement.



M

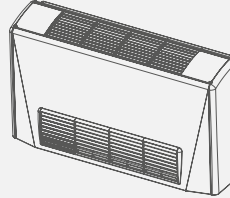


Frontal cabinet
Vertical installation
Bottom air intake

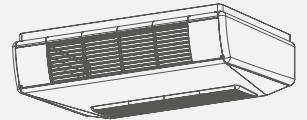


Frontal cabinet
Horizontal installation
Bottom air intake

MF

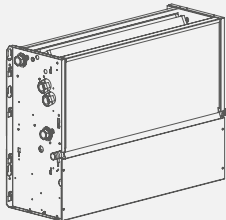


Frontal cabinet
Vertical installation
Frontal air intake

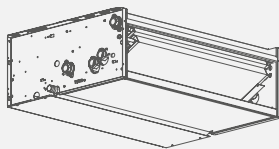


Frontal cabinet
Horizontal installation
Frontal air intake

I

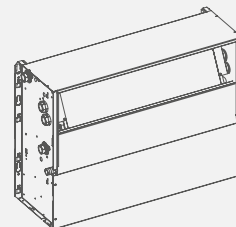


Concealed version
Vertical installation
Bottom air intake



Concealed version
Horizontal installation
Bottom air intake

IF



Concealed version
Vertical installation
Frontal air supply



Table with columns for flow rate (10, 20, 30, 40, 50, 60, 70, 80, 90, 100) and rows for various technical specifications such as total cooling capacity, sensible cooling capacity, water flow, pressure drop, heating capacity, and sound power level. Includes sub-sections for heating and cooling modes.

- Unità standard a bocca libera: pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la normativa EN 16583:2015 / Livello di pressione sonora: considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / Valori tensione ammissibile: ~230V / 1ph / 50-60Hz
- Standard unit with free outlet: external static pressure = 0 Pa / The sound power level test has been performed according to EN 16583:2015 standard / Sound pressure level: 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / Supported power supply: ~230V / 1ph / 50-60Hz
- Unité standard avec sortie libre: pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / Niveau de pression sonore: considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³ avec un temps de réverbération de 0,5 sec. / Valeurs de tension admissibles: ~230V / 1ph / 50-60Hz
- Standard Einheit mit offenem Auslass: externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / Schall-Druckpegel: Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / Unterstützte Stromversorgung: ~230V / 1ph / 50-60Hz
- Unidad estándar con salida libre: presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la norma EN 16583:2015 / Nivel de presión sonora: se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / Valores de voltaje admisibles: ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono			10	20	30	40	50	60	70	80	90	100
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	35	45	58	77	91	104	114	153	211	223
		W 5	24	35	45	49	62	80	88	136	169	205
		W 4	19	22	34	38	48	61	67	98	125	191
		W 3	16	18	29	30	39	50	52	81	103	181
		W 2	12	13	25	25	30	41	43	66	85	167
		W 1	10	12	18	19	23	35	38	59	73	155
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	(E)	A 6	0,16	0,20	0,26	0,34	0,41	0,48	0,49	0,68	0,93	1,03
		A 5	0,11	0,15	0,20	0,22	0,28	0,36	0,38	0,60	0,71	0,93
		A 4	0,09	0,10	0,15	0,17	0,21	0,28	0,29	0,45	0,55	0,87
		A 3	0,07	0,08	0,13	0,13	0,17	0,22	0,24	0,37	0,45	0,82
		A 2	0,05	0,06	0,11	0,11	0,13	0,18	0,20	0,31	0,37	0,77
		A 1	0,04	0,05	0,08	0,09	0,10	0,16	0,17	0,27	0,32	0,72
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz									

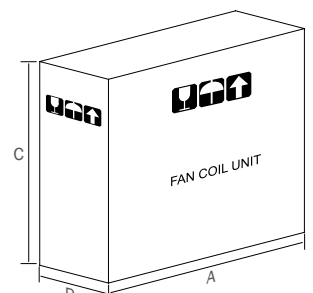
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			10	20	30	40	50	60	70	80	90	100
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	-	24	30	40	47	56	67	113	103	170
		W 5	-	19	20	19	19	30	34	76	72	147
		W 4	-	11	15	13	14	19	22	35	47	131
		W 3	-	10	11	10	10	13	17	20	34	102
		W 2	-	8	10	8	7	10	12	15	25	78
		W 1	-	8	7	7	6	9	10	11	20	63
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	(E)	A 6	-	0,19	0,24	0,29	0,35	0,49	0,50	0,88	0,83	1,34
		A 5	-	0,15	0,16	0,15	0,15	0,26	0,26	0,58	0,58	1,17
		A 4	-	0,10	0,13	0,11	0,12	0,17	0,16	0,26	0,38	1,04
		A 3	-	0,09	0,10	0,09	0,09	0,13	0,14	0,16	0,28	0,82
		A 2	-	0,08	0,09	0,08	0,07	0,10	0,11	0,13	0,21	0,66
		A 1	-	0,07	0,07	0,07	0,07	0,09	0,10	0,11	0,18	0,54
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)	(E)	V 6	-	8,8	8,3	9,0	9,2	9,2	5,9	7,0	7,4	7,7
		V 5	-	7,5	6,3	5,7	5,4	6,5	4,6	6,2	6,3	7,3
		V 4	-	5,0	5,4	4,4	4,6	4,8	3,5	4,7	5,2	6,9
		V 3	-	4,2	4,2	3,2	3,1	3,6	2,9	3,3	4,4	6,3
		V 2	-	3,4	3,6	2,7	2,0	2,9	2,4	2,8	3,8	5,9
		V 1	-	3,1	2,9	2,0	1,3	2,3	2,0	2,2	3,6	5,1
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz									

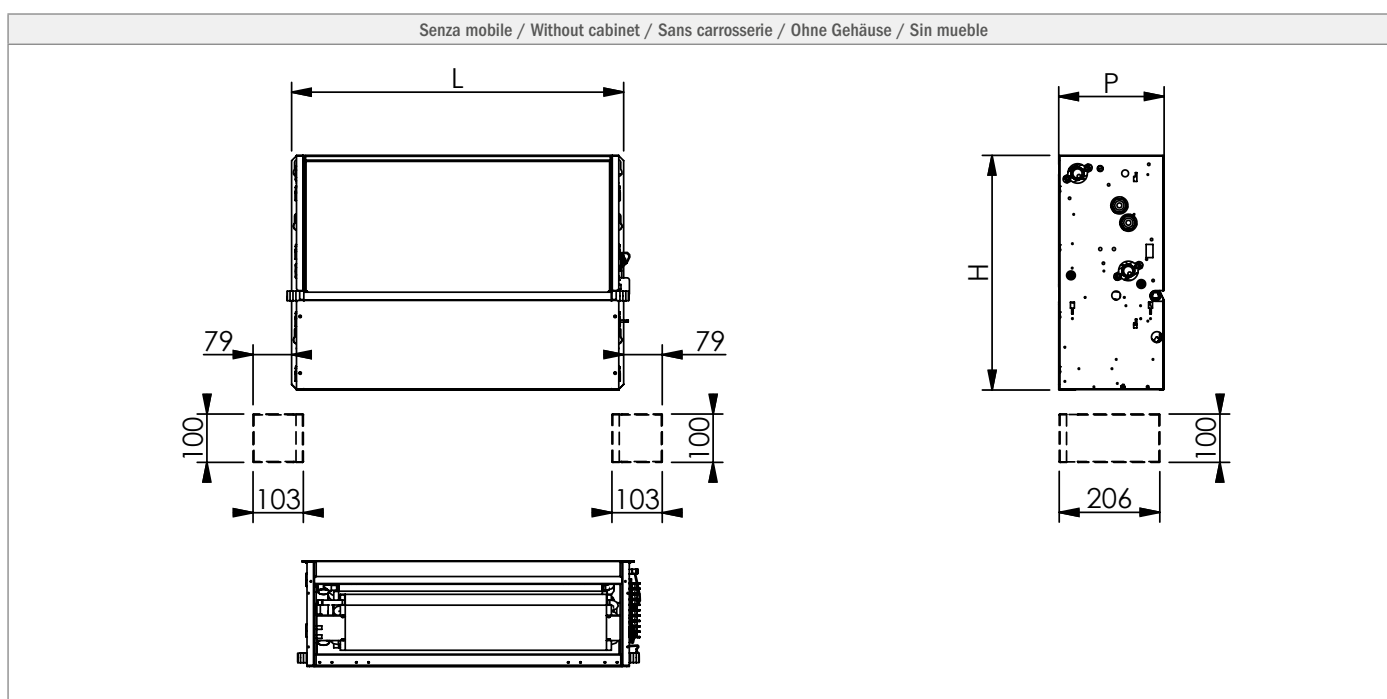
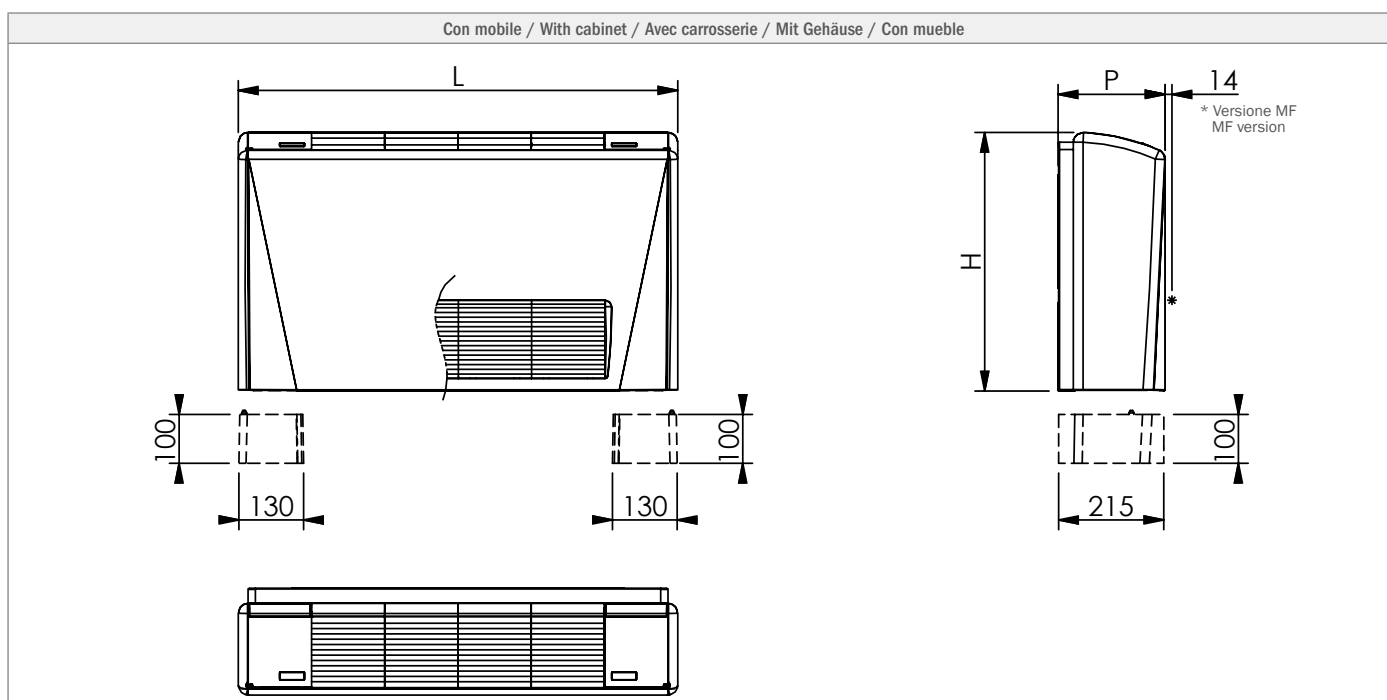
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Weights and packaging

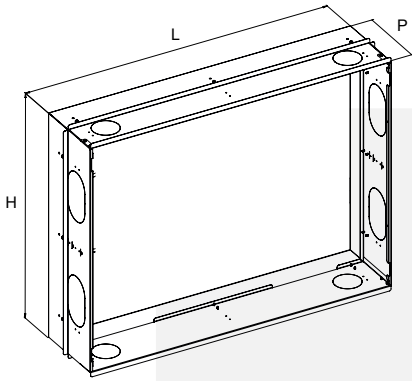
	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	[mm] L x P	[n.] unità - units	[kg] tot.
	[mm] (AxBxC)	[kg]	[kg]			
MOD. 10	610 x 240 x 560	13	15	1200 x 800	15	240
MOD. 20	760 x 240 x 560	17	19	1200 x 800	15	300
MOD. 30	910 x 240 x 560	19	21	1300 x 900	15	330
MOD. 40	1060 x 240 x 560	23	25	1200 x 1000	12	315
MOD. 50	1210 x 240 x 560	26	28	1200 x 1000	12	351
MOD. 60	1360 x 240 x 560	30	32	1500 x 1000	12	399
MOD. 70	1510 x 240 x 560	36	39	1500 x 1000	12	483
MOD. 80	1510 x 240 x 560	36	39	1500 x 1000	12	483
MOD. 90	1660 x 240 x 560	41	44	1800 x 900	8	369
MOD. 100	1810 x 240 x 560	47	50	1800 x 900	8	417



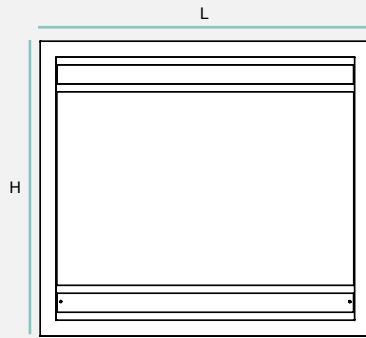
Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			10	20	30	40	50	60	70	80	90	100
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	600	750	900	1050	1200	1350	1500	1500	1650	1800
Altezza / Height / Hauteur / Höhe / Altura	H	mm	530	530	530	530	530	530	530	530	530	530
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	218	218	218	218	218	218	218	218	218	218
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			10	20	30	40	50	60	70	80	90	100
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	380	530	680	830	980	1130	1280	1280	1430	1580
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480	480	480	480	480	480	480	480
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	215	215	215	215	215	215	215	215	215	215



Concealed panel



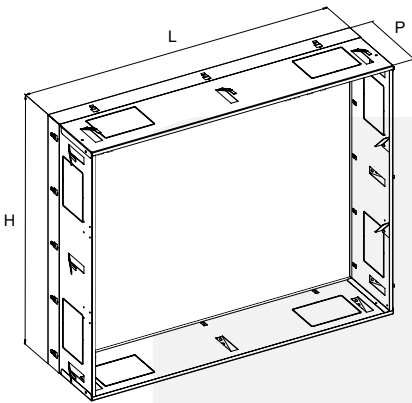
MNFP-E



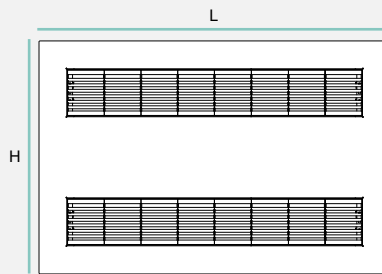
ELIOS-1

	technical spaces size	front panel size
MOD. 20	780 x 220 x (H)690	840 x 7 x (H)750
MOD. 30	930 x 220 x (H)690	990 x 7 x (H)750
MOD. 40	1080 x 220 x (H)690	1140 x 7 x (H)750
MOD. 50	1230 x 220 x (H)690	1290 x 7 x (H)750
MOD. 60	1380 x 220 x (H)690	1440 x 7 x (H)750
MOD. 70	1530 x 220 x (H)690	1590 x 7 x (H)750
MOD. 80	1530 x 220 x (H)690	1590 x 7 x (H)750

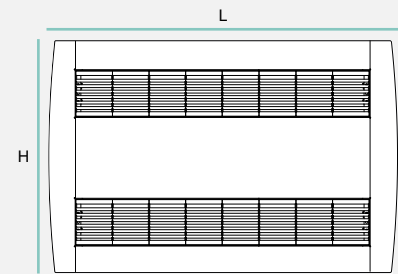
L x P x H (mm)



MFP-E



WFP-E



	technical spaces size*	ELIOS-IF front panel size	ELIOS-1 front panel size	ELIOS-IF front panel size	ELIOS-1 front panel size
MOD. 10	617 x 237 x (H)603	657 x 3 x (H)636	657 x 3 x (H)793	657 x 5 x (H)636	n.d
MOD. 20	817 x 237 x (H)603	857 x 3 x (H)636	857 x 3 x (H)793	857 x 5 x (H)636	n.d
MOD. 30	917 x 237 x (H)603	957 x 3 x (H)636	957 x 3 x (H)793	957 x 5 x (H)636	n.d
MOD. 40	1117 x 237 x (H)603	1157 x 3 x (H)636	1157 x 3 x (H)793	1157 x 5 x (H)636	n.d
MOD. 50	1217 x 237 x (H)603	1257 x 3 x (H)636	1257 x 3 x (H)793	1257 x 5 x (H)636	n.d
MOD. 60	1417 x 237 x (H)603	1457 x 3 x (H)636	1457 x 3 x (H)793	1457 x 5 x (H)636	n.d
MOD. 70	1517 x 237 x (H)603	1557 x 3 x (H)636	1557 x 3 x (H)793	1557 x 5 x (H)636	n.d
MOD. 80	1517 x 237 x (H)603	1557 x 3 x (H)636	1557 x 3 x (H)793	1557 x 5 x (H)636	n.d

L x P x H (mm)

* The technical space is only available for the ELIOS-IF version

The series lends itself to be easily installed also in the built-in version through the special niche and its front panel specially designed and developed in multiple configurations and variants in order to satisfy any application need.

This installation method, in addition to ensuring perfect integration of the unit within the environment, allows at the same time to recover more living space, offering the possibility of confining the unit and any accessories supplied inside the niche, specially sized to ensure total accessibility during the installation and maintenance phases.

Concealed panel versions

MNFP-E

Panel for vertical and horizontal units, of limited thickness (7 mm only), made of hot-dip galvanized steel powder coated in white RAL 9003 color with directional air delivery flap.

The whole can be painted on site with the same color as the wall.

MFP-E

Panel for vertical and horizontal units, of limited thickness (3mm only), made of hot-galvanized sheet metal and pre-coated with a polyvinyl chloride film to guarantee high corrosion resistance, in matt white RAL 9010 color.

The grilles are instead made of ABS , in matt white RAL 9010 color.

The panel is also available in the galvanized version that can be painted on site.

WFP-E

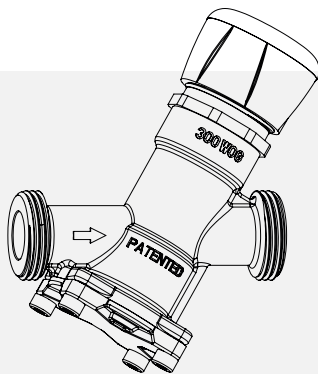
Panel for vertical units only made of wood (MDF) lacquered matt white RAL 9010 with ABS grills in matt white RAL 9010 color.

Also available in the paintable version on site.

All the panels listed above can be supplied, on request, also in other colors or with special finishes.



Independent balancing valve



This type of valve combines two functions in a single valve, keeps the flow rate constant as the system pressure changes and at the same time regulates the flow according to the temperature, allowing perfect balancing of the hydraulic system, ensuring for each fan coil unit the desired water flow even under partial loads.

The adjustment can be performed automatically through the installation of a linear ON / OFF or modulating actuator.

Main advantages:

- Simplified selection
- Easy installation
- High valve authority which remains constant
- Constant flow rate as the differential pressure changes
- Optimized installation by measuring the set pressure
- Energy efficiency thanks to the low differential pressure required
- Maintenance of the set water flow even at partial loads
- Optimization of pump speed using pressure taps (optional)
- Preset locked by hooking

Valve performance technical data

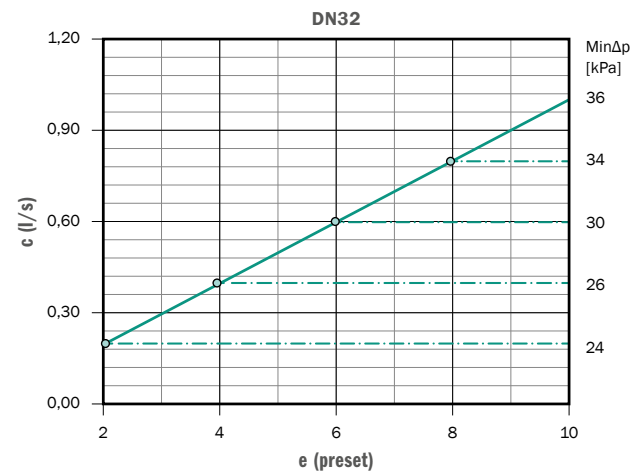
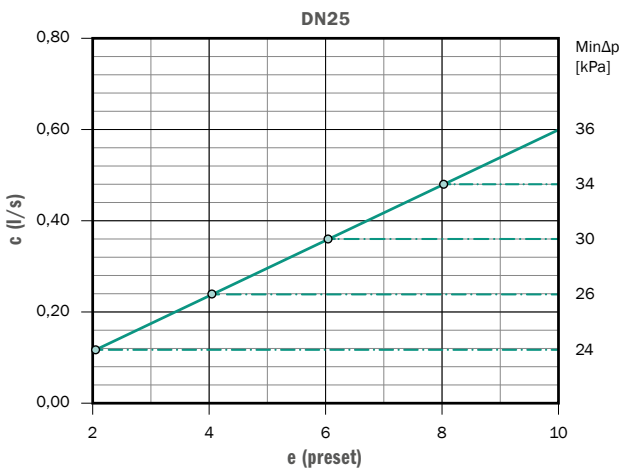
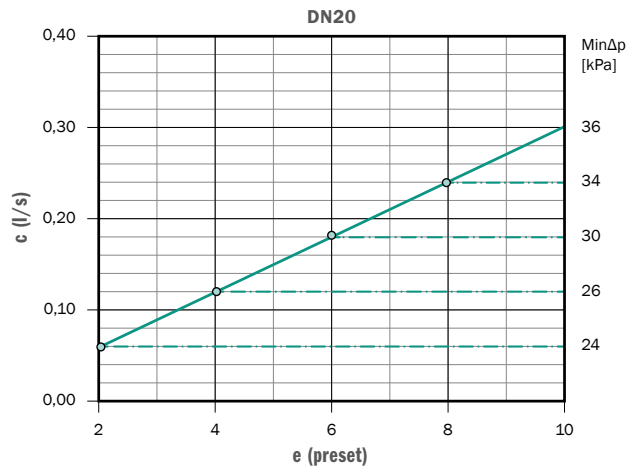
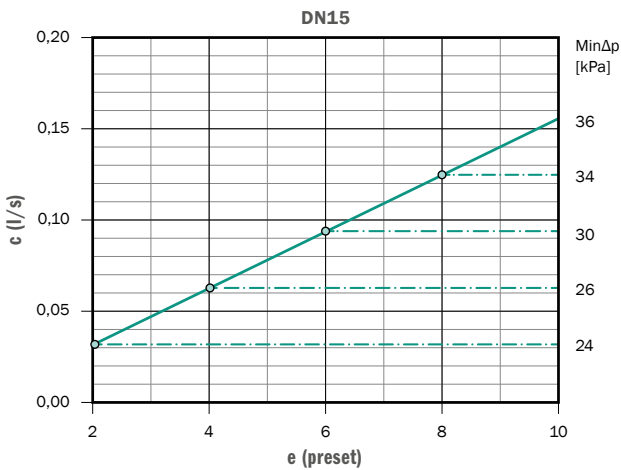
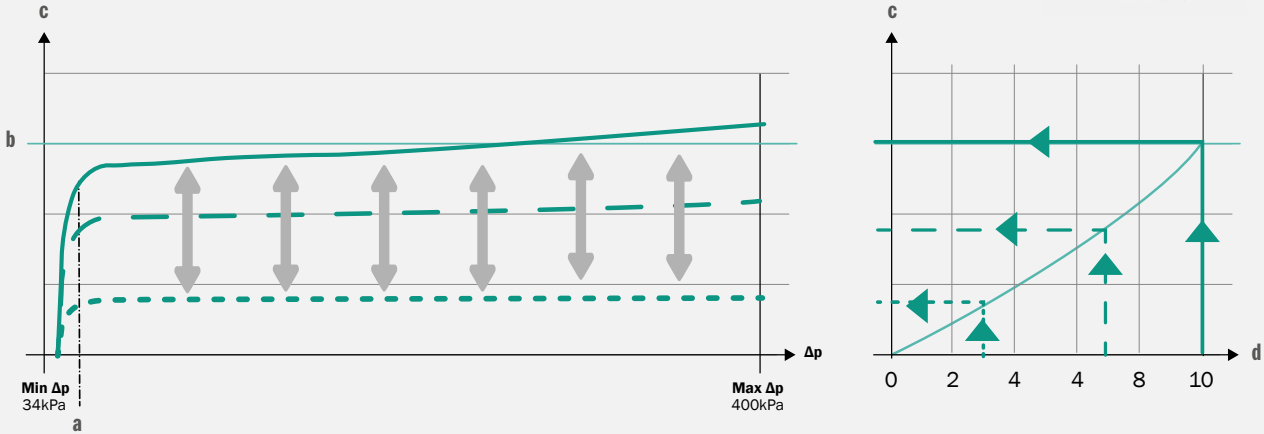
Attention: this type of valve is available only for units in the built-in version.
For any combinations on units with a cover cabinet, please contact our sales department.

2 tubi - pipes - tubes leiter - tubos			10	20	30	40	50	60	70	80	90	100		
	DN		DN 15	DN 15	DN 15	DN 20	DN 20	DN 20	DN 20	DN 20	DN 25	DN 25		
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas			ø	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"		
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula			l/s	min	0,030	0,030	0,030	0,062	0,062	0,062	0,062	0,12	0,12	
				max	0,150	0,150	0,150	0,311	0,311	0,311	0,311	0,6	0,6	
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad			l/s	min	0,028	0,041	0,051	0,061	0,066	0,091	0,110	0,118	0,199	0,304
				max	0,060	0,092	0,130	0,177	0,224	0,239	0,270	0,293	0,367	0,438

4 tubi (batteria ausiliaria) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			10	20	30	40	50	60	70	80	90	100		
	DN		DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 20	DN 20		
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas			ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula			l/s	min	0,030	0,030	0,030	0,030	0,030	0,030	0,030	0,030	0,062	0,062
				max	0,150	0,150	0,150	0,150	0,150	0,150	0,150	0,150	0,311	0,311
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad			l/s	min	0,014	0,018	0,035	0,034	0,043	0,057	0,061	0,076	0,111	0,150
				max	0,031	0,050	0,071	0,079	0,116	0,121	0,134	0,146	0,195	0,208

Presetting and nomograms

In accordance with the principles of dynamic balancing, presetting allows you to set the maximum flow rate of the valve, i.e. the flow rate which will be kept constant within the differential pressure range of use, with the valve fully open. The presetting affects the minimum differential pressure of use of the valve.



a	Funzione di prerogolazione / Preset function / Fonction de pré-réglage / Voreingestellte Funktion / Función preestablecida
b	Portata prerogolata / Preset flow rate / Débit pré-réglé / Voreingestellte Durchflussmenge / Caudal preestablecido
c (l/s)	Portata / Flow / Débit / Durchflussrate / Caudal
d	Segnale / Signal / Signal / Signal / Señal
e	Prerogolazione / Preset / Pré-réglage / Voreinstellung / Preajuste

The new generation filtration system

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - ELIOS

Available for all 9 models
and for M - I versions only.

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.

A healthy choice, responsible and aware

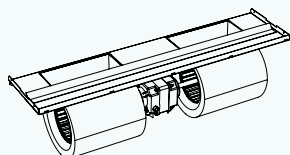
This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

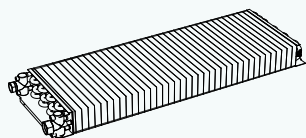
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



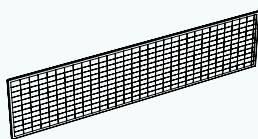
Fan section:

In addition to the asynchronous motor and the Brushless ECM motor, the series can also be supplied with high head motors or motors equipped with thermal protection (fail contact). On request also motors with special requirements.



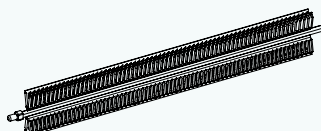
Coils:

4-row coils for 2-pipe systems, 1 or 2 rows for 4-pipe systems, R410A DX coil. On request also special coils made with special materials or treatments for corrosive atmospheres or with technical precautions to be able to operate at special pressures.



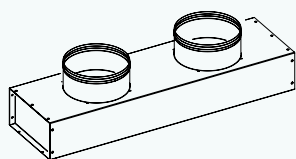
Filters:

wide range of filters with G2 * / EU2 ** or G3 * / EU3 ** efficiencies (MF version excluded). Also available, where provided, the innovative electronic filter that allows complete air purification and at the same time higher efficiency thanks to low pressure drops. (* according to EN779 / ** according to Eurovent)



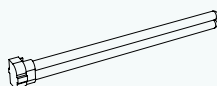
Electric heaters:

electric heater kit from 600W to 3000W, equipped with safety thermostat, 230Vac / 1Ph / 50-60Hz.

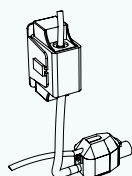


Plenum:

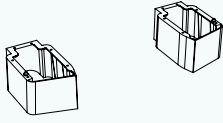
wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement. Fully customized plenums can also be made on request.



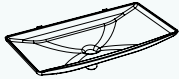
UV lamps



Auxiliary condensate drain pump

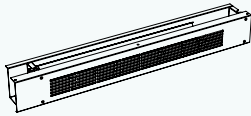


Recessed feet and floor fixing brackets



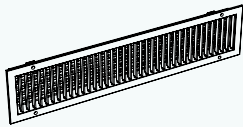
Auxiliary condensate drain pan:

for horizontal or vertical units



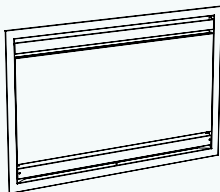
Air intake damper kit:

for horizontal or vertical units (primary air, max 8%), can also be equipped with servomotor for motorized opening.



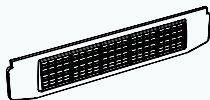
Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter. The grills can also be painted on request with the RAL color of your choice.



Panels and technical spaces

wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces. Also available the rear cover panel for installation on glass.



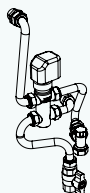
Bottom closure:

in pre-painted sheet metal also available with return grid and integrated air filter.



Control:

wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.



Valves:

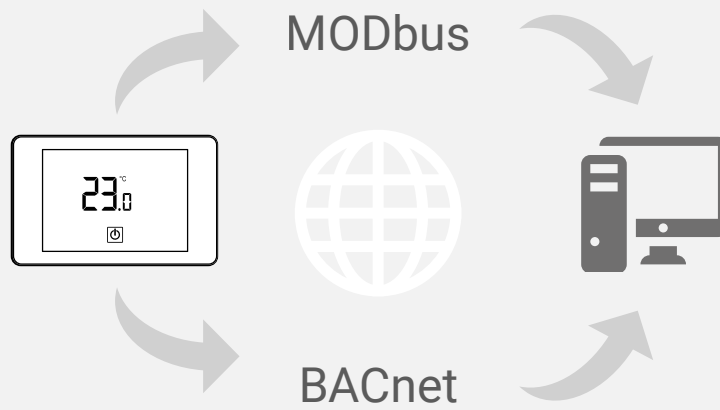
wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.



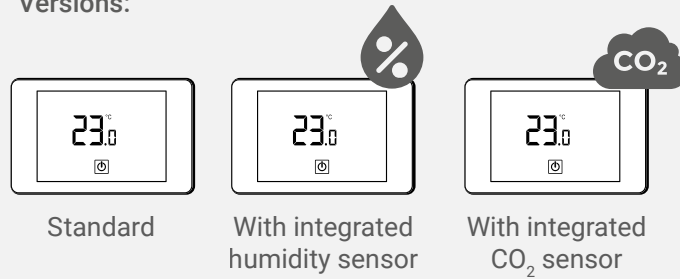
I-70 TOUCH SCREEN THERMOSTAT

Touch screen wall thermostat, programmable and with MODbus and BACnet supervision, also available with air quality sensor or relative humidity sensor directly integrated within the control.

Integrated connection:



Versions:





I-COM

Easy and versatile, I-Com is the base version of new control panel, without temperature control.



I-BASIC 1

It allows also the precise room temperature control thanks to analogic electronic thermostat integrated in the control panel.



I-BASIC 2

It allows also the precise room temperature control thanks to microprocessor electronic thermostat integrated in the control panel and allows to manage an electric heater.



I-BASIC 3

it has a range of programmable functions and allows to manage manually or automatically the operation speed.



I-DIGIT

Fully digital control panel that integrates a large and comfortable display, perfect for all the installations that require high automation of functions and an high level of comfort like hotel, offices and public places.



Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

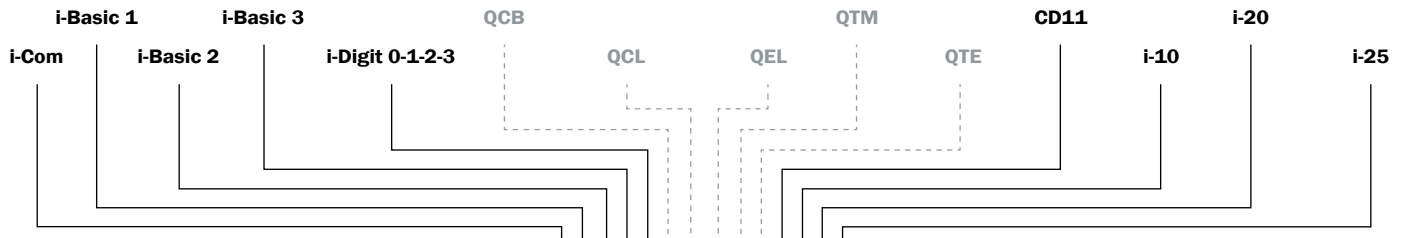
503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebesechalter Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls

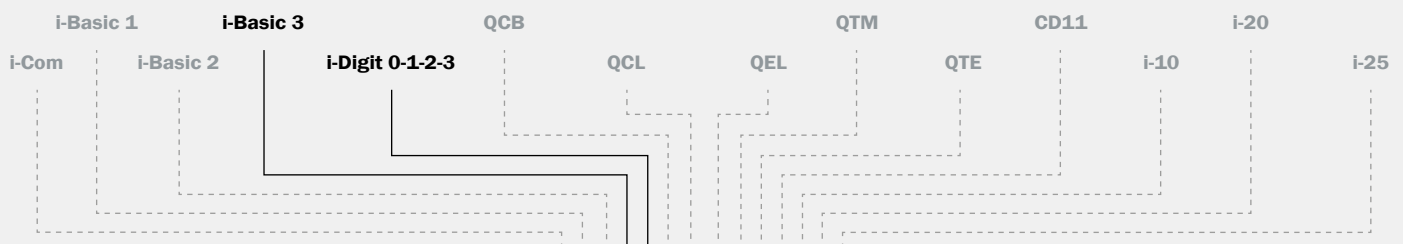
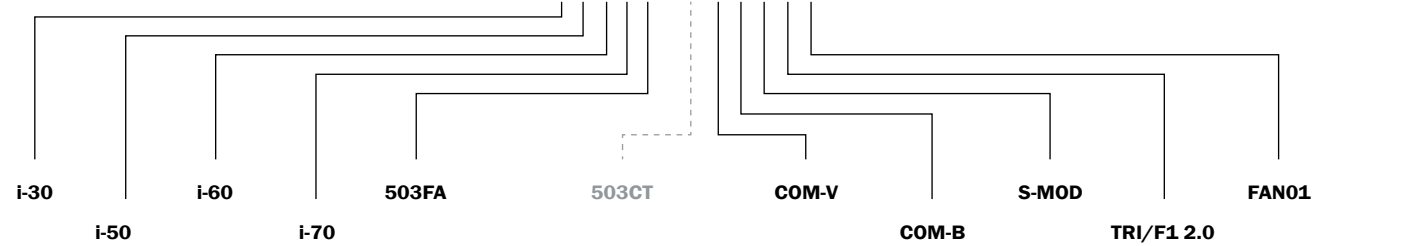
Scheda di potenza per controllo a 3 velocità
 Power chart for 3-speed control
 Fiche de puissance pour contrôle à 3 vitesses
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten
 Tarjeta de alimentación para el control de 3 velocidades

	i-Com	i-Basic 1	i-Basic 2	i-Basic 3	i-Digit 0-1-2-3	TRI/F1 2.0	CD11	i-10	i-20	i-25	i-30	i-50	i-60	i-70	503FA	503BUS+DIN5	S-MOD	FAN01
Mod. 10
Mod. 20
Mod. 30
Mod. 40
Mod. 50
Mod. 60
Mod. 70
Mod. 80
Mod. 90	.	.	○	○	○	○	○
Mod. 100	.	.	○	○	○	○	○

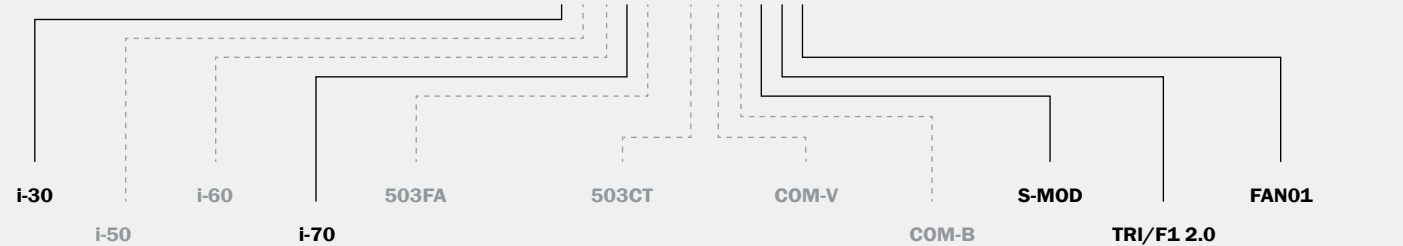
ELIOS | ELIOS-ECM



ELIOS



ELIOS-ECM



- Compatible
Compatible
Compatible
Kompatibel
Compatible
- - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible
- Non necessaria
Not necessary
Non nécessaire
Nicht erforderlich
No Requerido
- Necessaria (inclusa di serie)
Necessary (included as standard)
Nécessaire (comprise de série)
Erforderlich (serienmäßig inbegriffen)
Requerido (incluido de serie)
- Necessaria (non inclusa)
Necessary (not included)
Nécessaire (non comprise)
Erforderlich (nicht inbegriffen)
Requerido (no incluido)

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

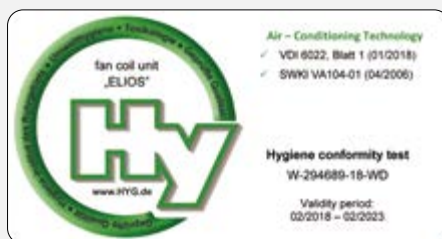
[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

ELIOS-Hy

ELIOS-ECM-Hy

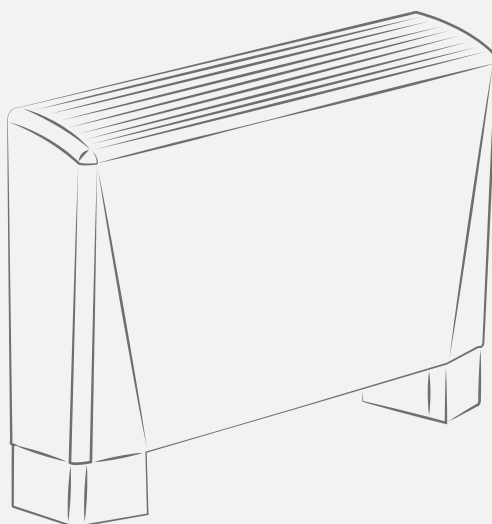
Hygienic centrifugal fan coil unit
according to VDI 6022



Hygiene compliance test

n. W-294689-18-WD


- VDI 6022, Part 1 (01/2018)
- SWKI VA104-01 (04/2006)



A GROUP S.p.A (Trademark EDEN) participates in the ECP programme for FCU. Check ongoing validity of certificate: www.eurovent-certification.com

Comfort and well-being, in total safety

ELIOS-HY
ELIOS-ECM-HY

 0.5 ÷ 9.0 kW
cooling

 0.5 ÷ 9.8 kW
heating

 50%
energy saving up to 50%

 61 - 1670 m³/h
air flow



Constructive and innovative solutions:

the introduction of innovative solutions has also involved the use of stainless materials and cutting-edge polymers tested according to DIN EN ISO 846 and capable of inhibiting bacterial proliferation. Insulators and polymeric components directly in contact with the air flow have been specifically tested in certified laboratories in order to guarantee the maximum resistance to the action of fungi, bacteria and microorganisms that could represent a risk for the health and well-being of the user.



Reinforced structure:

Result of a careful design, in order to guarantee maximum durability even in installations with a high flow of users and usually subject to heavy wear. The structure is made with reinforced ABS sides and an extruded anodised aluminum profile grille that allows excellent resistance to breakage.

Accessibility to users has also been prohibited, in order to avoid tampering or forcing the product. These precautions guarantee high durability and long-term maintenance of the aesthetic and functional qualities of the environments.



Frontal casing:

The unit is equipped as standard with a galvanized steel casing, powder coated RAL 9010 (or RAL on request).

Optional it is also available with a brushed or satin-finished stainless steel casing to guarantee an excellent appearance and offer even greater resistance, hygiene and ease of cleaning.



Easy installation and maintenance:

high attention has been paid to the issue of accessibility in order to be able to guarantee a simplification of installation and maintenance activities, to the benefit of a net reduction in operating costs and greater efficiency and safety during cleaning and sanitation processes.



Condensate drain pan:

specially designed in order to be easily removed and sanitized, thanks to only metric screws and dedicated rails.

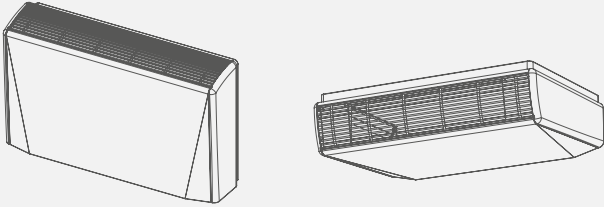
Entirely made of stainless steel in order to inhibit bacterial proliferation and prevent corrosion, it also guarantees high flexibility and installation versatility thanks to the "L" shape, suitable for both horizontal and vertical installation.



Comfort with maximum level of silence

the series represents the perfect combination of technology, safety and design, where the technological choices adopted allow maximum comfort and maximum safety of the environments, with the minimum operating noise.

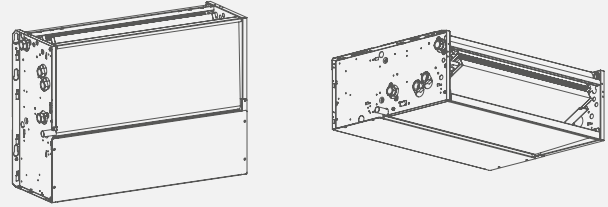
Hy-M



Frontal cabinet
Vertical installation
Bottom air intake

Frontal cabinet
Horizontal installation
Bottom air intake

Hy-I



Concealed version
Vertical installation
Bottom air intake

Concealed version
Horizontal installation
Bottom air intake

ELIOS-HY
ELIOS-ECM-HY



**Hygiene-Institut
des Ruhrgebiets**

Institut für Umwelthygiene und Toxikologie
Direktor: Prof. Dr. rer. nat. L. Dunemann
Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.
Hygiene-Institut, UMWELT Postfach 10 12 55 · 45812 Gelsenkirchen



Rotthäuser Str. 21
45879 Gelsenkirchen
Telefon (0209) 9242-0
Telefax (0209) 9242-222
Internet www.hyg.de
Unser Zeichen: W-294689re-18-WD
Ansprechpartner: F. Wedke B. Eng.

Test - certificate

hygiene – conformity check to the design requirements
of VDI 6022, part 1 (01/2018)

Test institute: Hygiene Institut des Ruhrgebiets
Institut für Umwelthygiene und Toxikologie
Rotthäuser Straße 21
49879 Gelsenkirchen

Test object: Fan coil units "ELIOS"

Manufacturer: Eden
Via Montegrappa, 67
31020 San Zenone degli Ezzelini (Tv)
Italy

Basis of the examination: VDI 6022, part 1 (01/2018)
 SWKI VA104-01 (04/2006)

Validity period: 5 years 02/2018 – 02/2023

Test report: W-294689-18-WD



In conclusion it can be stated that the examined fan coil unit „ELIOS“, as specified in the test report W-294689-18-WD, is in compliance with the design requirements of the above mentioned regulations.

J. Tuschewitzki

(Priv.-Doz. Dr. G.-J. Tuschewitzki)
Head of the Department of Water
Hygiene and Environmental
Microbiology

F. Wedke

(F. Wedke B. Eng.)
Administrator of Air Conditioning technology
Department of Water
Hygiene and Environmental Microbiology

issued 09.02.2018, Gelsenkirchen

Within the framework of the conformity check the hygiene-relevant requirements of the above mentioned regulations was examined. Requirements of other regulations that refer to the above mentioned regulations were not part of the examination. Additionally, the conformity check does not include a toxicological or sensory testing of the introduced materials. This document is not part of a certification process.

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., Vereinsregister: VR 519 Amtsgericht Gelsenkirchen, USt-ID: DE125018356
Vorstand: Prof. Dr. Werner Schlake (Vors.), Prof. Dr. Jürgen Kretschmann, Dr. Emanuel Grün, Volker Vohmann, Prof. Dr. Lothar Dunemann (geschäftsführ. Vorstand)

Eden has been certified in accordance with the hygienic requirements of VDI 6022. This certification represents an important stage in the process of constant improvement of our products.

3-11-2006 *Supplemento ordinario alla GAZZETTA UFFICIALE* Serie generale - n. 256

ALLEGATO A



MINISTERO DELLA SALUTE
DIPARTIMENTO DELLA PREVENZIONE E COMUNICAZIONE

DIREZIONE GENERALE DELLA PREVENZIONE SANITARIA

SCHEMA DI LINEE GUIDA
PER LA DEFINIZIONE DI PROTOCOLLI TECNICI DI MANUTENZIONE
PREDITTIVA SUGLI IMPIANTI DI CLIMATIZZAZIONE

3-11-2006 *Supplemento ordinario alla GAZZETTA UFFICIALE* Serie generale - n. 256

Il presente documento, esplicitamente previsto dall'Accordo Ministro della Salute Regioni e Province autonome del 27 settembre 2001, concernente "Linee Guida per la tutela e la promozione della salute negli ambienti confinati" (G.U. del 27 novembre 2001, n. 276, SO n. 252), è stato elaborato dalla commissione "indoor" del Ministero della salute e successivamente aggiornato e modificato da un apposito gruppo di lavoro interministeriale.

Le indicazioni tecniche di seguito riportate fanno riferimento alla norma tedesca VDI 6022 (Luglio 1998): *Hygienic standards for ventilation and Air-Conditioning Systems for Offices and assembly Rooms* ed alle principali norme riguardanti la progettazione, l'installazione e la manutenzione dei comparti e sistemi aeraulici, riportate in Appendice A, tratta dalle Linee Guida dell'AICARR.

Main features

The introduction of innovative technical construction solutions and the use of stainless materials and cutting-edge polymers tested according to DIN EN ISO 846, capable of inhibiting bacterial proliferation, have allowed the realization of a series of fan coils conforming to the most stringent parameters imposed by the VDI 6022 guidelines, increasingly recognized at European level as a reference point for the design of innovative public places in which an excellent level of hygiene and comfort must be ensured for the total psychophysical well-being of the user.



Hospitals
and clinics



Public places



Food industry



Enology



Pharmaceutical

ELIOS-Hy
ELIOS-ECM-Hy



Version with front cabinet made in brushed stainless steel and sides in gray ABS (optional).



Standard version with front cabinet made in galvanized steel white RAL 9010 painted and sides in white (standard).

The ELIOS-Hy series consists of a wide and well-diversified range that includes solutions for the most varied installation requirements and consists of:

- › 10 sizes of capacities
- › 2 configurations of installation (Hy-M, Hy-I)
- › 2 pipes and 4 pipes system
- › With cabinet for vertical installation
- › With cabinet for horizontal installation
- › Vertical concealed type
- › Horizontal concealed type
- › ECM motor or asynchronous motor (optional)
- › Wide range of accessories and controls supplied
- › Front cabinet made in brushes stainless steel (optional)

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono			10	20	30	40	50	60	70	80	90	100
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	35	45	58	77	91	104	114	153	211	223
		W 5	24	35	45	49	62	80	88	136	169	205
		W 4	19	22	34	38	48	61	67	98	125	191
		W 3	16	18	29	30	39	50	52	81	103	181
		W 2	12	13	25	25	30	41	43	66	85	167
		W 1	10	12	18	19	23	35	38	59	73	155
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 6	0,16	0,20	0,26	0,34	0,41	0,48	0,49	0,68	0,93	1,03
		A 5	0,11	0,15	0,20	0,22	0,28	0,36	0,38	0,60	0,71	0,93
		A 4	0,09	0,10	0,15	0,17	0,21	0,28	0,29	0,45	0,55	0,87
		A 3	0,07	0,08	0,13	0,13	0,17	0,22	0,24	0,37	0,45	0,82
		A 2	0,05	0,06	0,11	0,11	0,13	0,18	0,20	0,31	0,37	0,77
A 1	0,04	0,05	0,08	0,09	0,10	0,16	0,17	0,27	0,32	0,72		
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz									

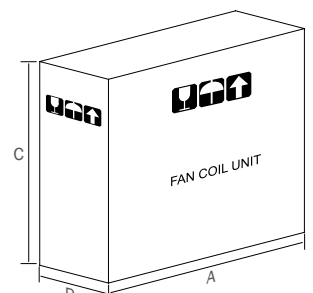
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			10	20	30	40	50	60	70	80	90	100
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	-	24	30	40	47	56	67	113	103	170
		W 5	-	19	20	19	19	30	34	76	72	147
		W 4	-	11	15	13	14	19	22	35	47	131
		W 3	-	10	11	10	10	13	17	20	34	102
		W 2	-	8	10	8	7	10	12	15	25	78
		W 1	-	8	7	7	6	9	10	11	20	63
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 6	-	0,19	0,24	0,29	0,35	0,49	0,50	0,88	0,83	1,34
		A 5	-	0,15	0,16	0,15	0,15	0,26	0,26	0,58	0,58	1,17
		A 4	-	0,10	0,13	0,11	0,12	0,17	0,16	0,26	0,38	1,04
		A 3	-	0,09	0,10	0,09	0,09	0,13	0,14	0,16	0,28	0,82
		A 2	-	0,08	0,09	0,08	0,07	0,10	0,11	0,13	0,21	0,66
A 1	-	0,07	0,07	0,07	0,07	0,09	0,10	0,11	0,18	0,54		
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)		V 6	-	8,8	8,3	9,0	9,2	9,2	5,9	7,0	7,4	7,7
		V 5	-	7,5	6,3	5,7	5,4	6,5	4,6	6,2	6,3	7,3
		V 4	-	5,0	5,4	4,4	4,6	4,8	3,5	4,7	5,2	6,9
		V 3	-	4,2	4,2	3,2	3,1	3,6	2,9	3,3	4,4	6,3
		V 2	-	3,4	3,6	2,7	2,0	2,9	2,4	2,8	3,8	5,9
		V 1	-	3,1	2,9	2,0	1,3	2,3	2,0	2,2	3,6	5,1
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz									

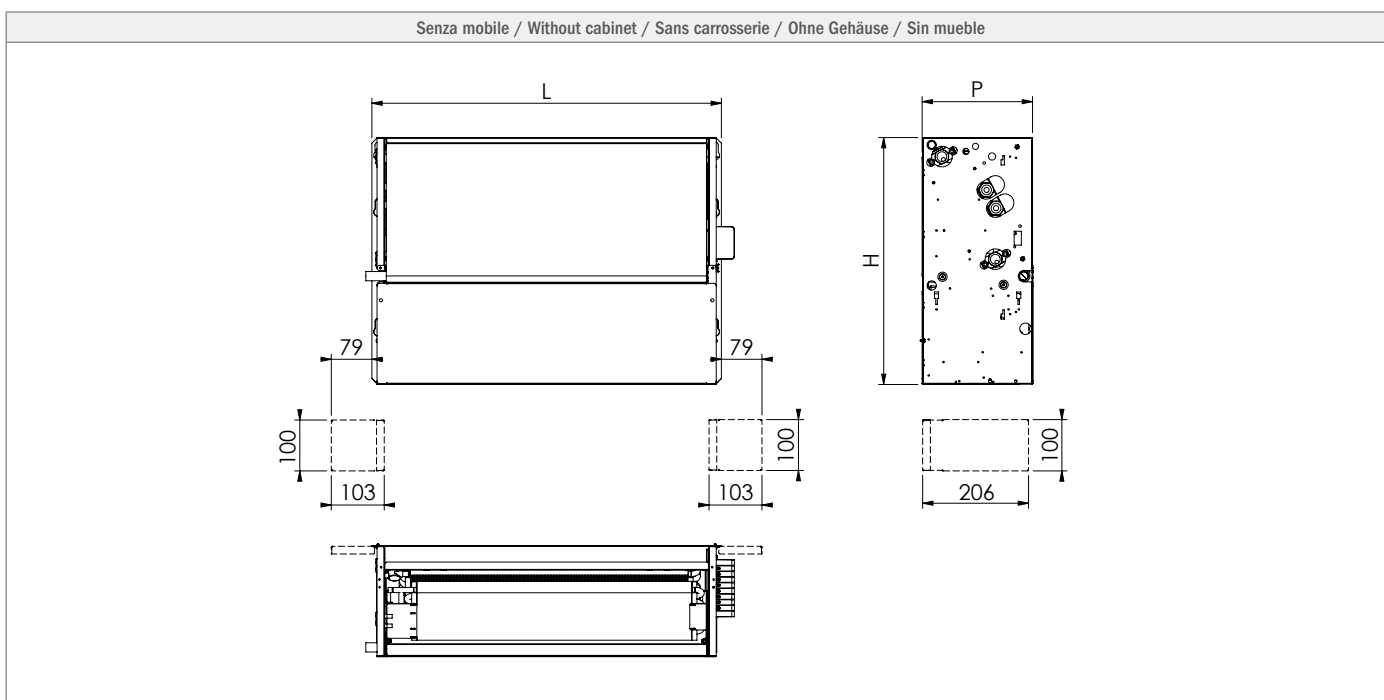
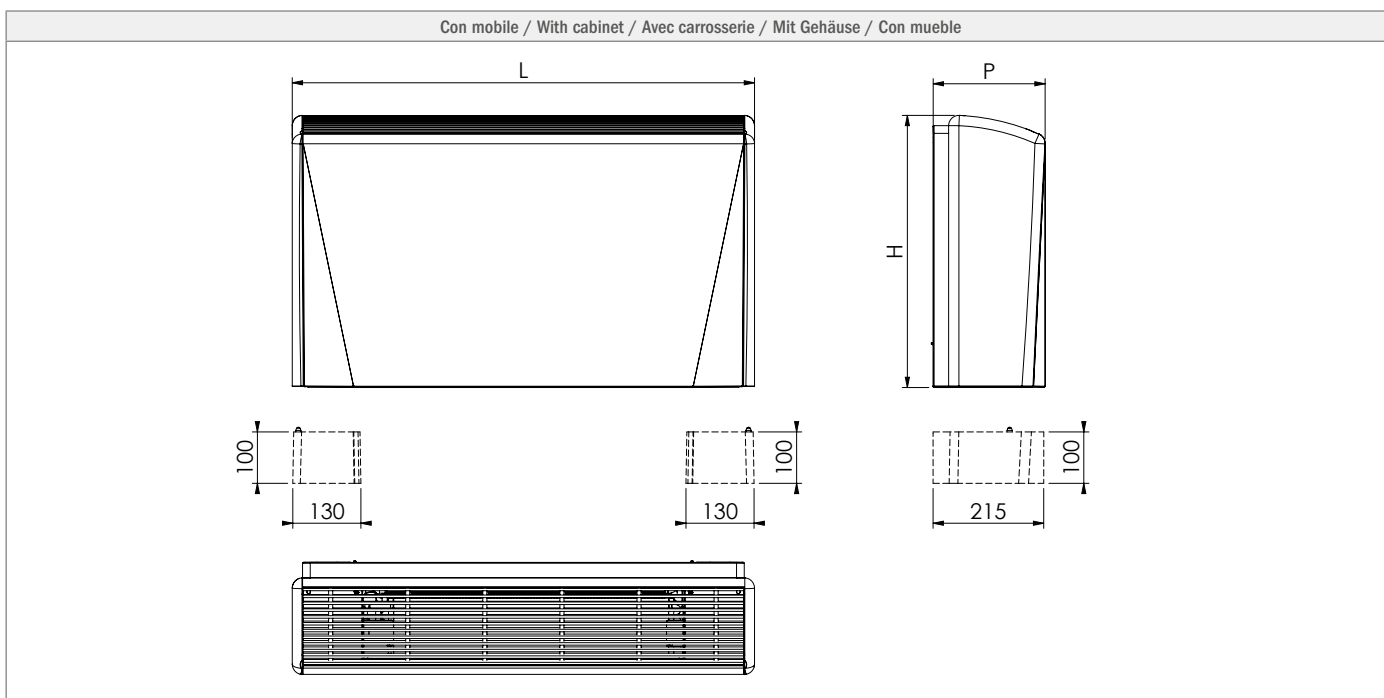
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	palette		
	[mm] (AxBxC)	[kg]	[kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 10	610 x 240 x 560	13	15	1200 x 800	15	240
MOD. 20	760 x 240 x 560	17	19	1200 x 800	15	300
MOD. 30	910 x 240 x 560	19	21	1300 x 900	15	330
MOD. 40	1060 x 240 x 560	23	25	1200 x 1000	12	315
MOD. 50	1210 x 240 x 560	26	28	1200 x 1000	12	351
MOD. 60	1360 x 240 x 560	30	32	1500 x 1000	12	399
MOD. 70	1510 x 240 x 560	36	39	1500 x 1000	12	483
MOD. 80	1510 x 240 x 560	36	39	1500 x 1000	12	483
MOD. 90	1660 x 240 x 560	41	44	1800 x 900	8	369
MOD. 100	1810 x 240 x 560	47	50	1800 x 900	8	417



Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			10	20	30	40	50	60	70	80	90	100
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	600	750	900	1050	1200	1350	1500	1500	1650	1800
Altezza / Height / Hauteur / Höhe / Altura	H	mm	530	530	530	530	530	530	530	530	530	530
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	218	218	218	218	218	218	218	218	218	218
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			10	20	30	40	50	60	70	80	90	100
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	380	530	680	830	980	1130	1280	1280	1430	1580
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480	480	480	480	480	480	480	480
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	215	215	215	215	215	215	215	215	215	215



The new generation filtration system

ELIOS-Hy
ELIOS-ECM-Hy

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - ELIOS-Hy

Available for all 9 models,
for both Hy-M and Hy-I versions.

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.

A healthy choice, responsible and aware

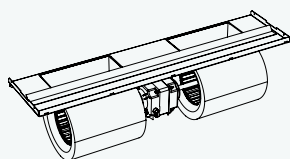
This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

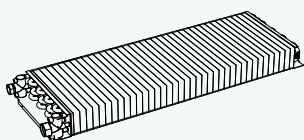
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



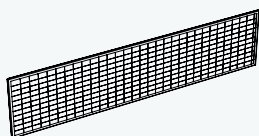
Fan section:

In addition to the asynchronous motor and the Brushless ECM motor, the series can also be supplied with high head motors or motors equipped with thermal protection (fail contact). On request also motors with special requirements.



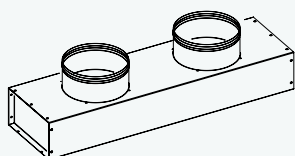
Coils:

4-row coils for 2-pipe systems, 1 or 2 rows for 4-pipe systems, R410A DX coil. On request also special coils made with special materials or treatments for corrosive atmospheres or with technical precautions to be able to operate at special pressures.



Filters:

wide range of filters with G2 * / EU2 ** or G3 * / EU3 ** efficiencies. Also available, where provided, the innovative electronic filter that allows complete air purification and at the same time higher efficiency thanks to low pressure drops. (* according to EN779 / ** according to Eurovent)

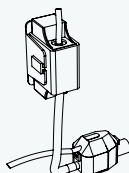


Plenum:

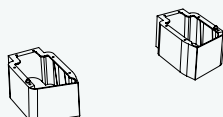
wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement. Fully customized plenums can also be made on request.



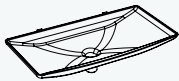
UV lamps



Auxiliary condensate drain pump

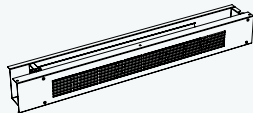


Recessed feet and floor fixing brackets



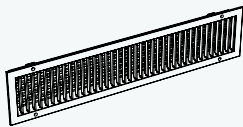
Auxiliary condensate drain pan:

for horizontal unit made of AISI304 steel with insulation tested according to DIN EN ISO 846, for vertical unit made of ABS or AISI304 steel with insulation tested according to DIN EN ISO 846.



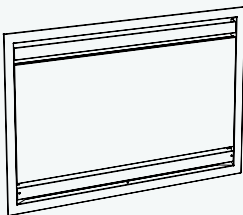
Air intake damper kit:

for horizontal or vertical units (primary air, max 8%), can also be equipped with servomotor for motorized opening.



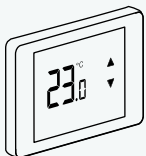
Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.
The grills can also be painted on request with the RAL color of your choice.



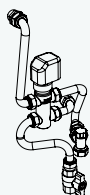
Panels and technical spaces

wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces.
Also available the rear cover panel for installation on glass.



Control:

wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.



Valves:

wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

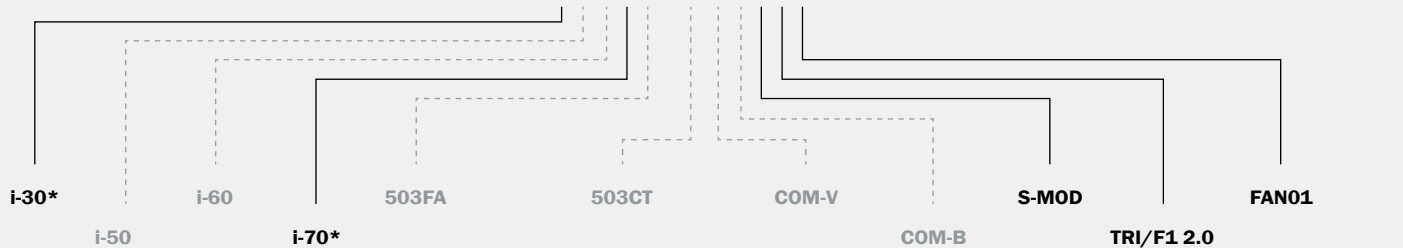
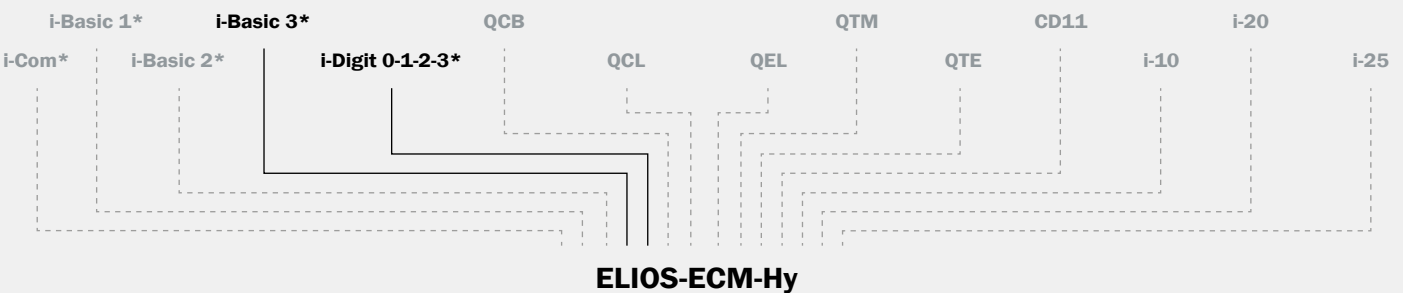
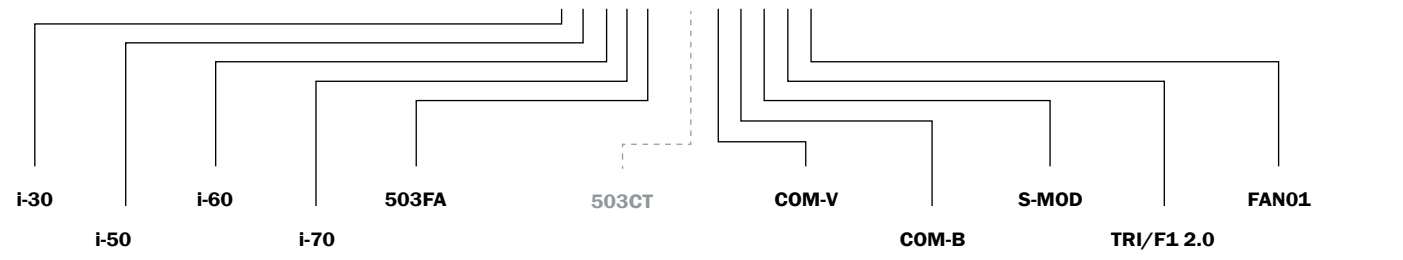
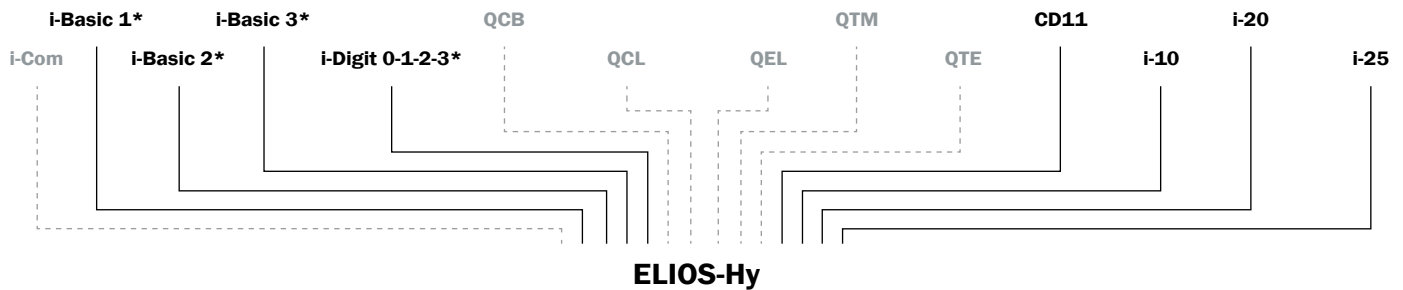
503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurabile con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambiant électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambiant électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls

Scheda di potenza per controllo a 3 velocità
 Power chart for 3-speed control
 Fiche de puissance pour contrôle à 3 vitesses
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten
 Tarjeta de alimentación para el control de 3 velocidades

	i-Com	i-Basic 1	i-Basic 2	i-Basic 3	i-Digit 0-1-2-3	TRI/F1 2.0	CD11	i-10	i-20	i-25	i-30	i-50	i-60	i-70	503FA	503BUS+DIN5	S-MOD	FAN01
Mod. 10
Mod. 20
Mod. 30
Mod. 40
Mod. 50
Mod. 60
Mod. 70
Mod. 80
Mod. 90	.	.	○	○	○	○	○
Mod. 100	.	.	○	○	○	○	○

ELIOS-Hy
 ELIOS-ECM-Hy



*La conformazione del ventilconvettore non permette l'installazione a bordo unità del controllo. - The shape of the fan coil doesn't allow installation on the control unit. - La conformation du ventiloconvecteur ne permet pas l'installation à bord de l'unité de contrôle. - Aufgrund der Ausführung des Gebläsekonvektors ist die Installation auf dem Steuergerät nicht möglich. - El diseño del fancoil no permite la instalación a bordo de la unidad de control.

- Compatible
Compatible
Compatible
Kompatibel
Compatible
- - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible
- Non necessaria
Not necessary
Non nécessaire
Nicht erforderlich
No Requerido
- Necessaria (inclusa di serie)
Necessary (included as standard)
Nécessaire (comprise de série)
Erforderlich (serienmäßig inbegriffen)
Requerido (incluido de serie)
- Necessaria (non inclusa)
Necessary (not included)
Nécessaire (non comprise)
Erforderlich (nicht inbegriffen)
Requerido (no incluido)

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

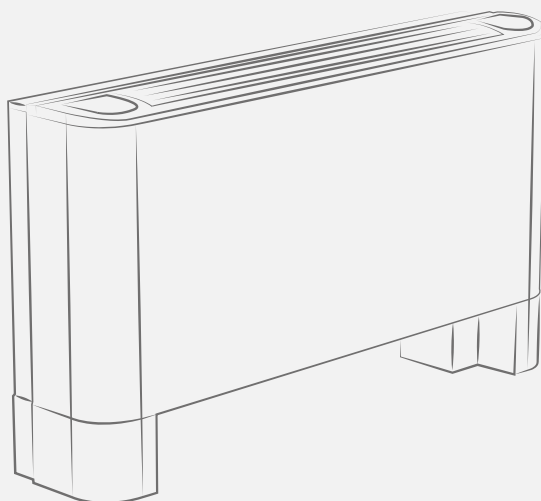
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad


WIND WIND-ECM


Centrifugal fan coil unit




A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Uncompromising style and performance

 **0.6 ÷ 11.6** kW
cooling

 **0.7 ÷ 12.9** kW
heating

 **50%**
energy saving up to 50%

 **123 - 2449** m³/h
air flow



Exclusive comfort
with ultimate style, elegance
and maximum functionality.



**Structure:**

in Z200 hot-dip galvanized steel sheet with a thickness of 0.8 mm and 1 mm (sizes 100 ÷ 120) insulated with closed cell polyolefin-based insulation. Condensate drain pan in hot-dip galvanized Z140 pre-painted 0.8 mm thick with closed cell polyolefin-based insulation 3 mm thick complete with connection for condensate drain external Ø 20 mm

**Decorative cabinet:**

in hot-dip galvanized steel sheet and pre-coated with a polyvinyl chloride film to guarantee high resistance to corrosion, pure white RAL 9010. The grilles for air diffusion and the flaps are instead made of injection-molded ABS, light gray RAL 7035 color. Other colors or special finishes available on request.

**Filter:**

of standard supplied regenerable filter with galvanized steel frame and polypropylene filter fabric with efficiency class G1 * / EU1 **.

Alternatively, a wide range of filters with greater efficiencies are available, including G2 * / EU2 ** and G3 * / EU3 **. (* according to EN779 / ** according to Eurovent)

**Fan section:**

consisting of double intake centrifugal fans, with impellers in aluminum, or ABS statically and dynamically balanced, directly fitted onto the motor shaft. Single-phase asynchronous electric motor with overload protection, 6 rotation speeds (3 of which are connected).

The motor is directly coupled to the fans, and cushioned with elastic supports for the benefit of low noise. The series can also be equipped with innovative Brushless ECM motors, high head motors or motors with fail contact.

**Coils:**

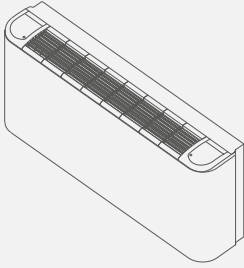
in copper tube with aluminum fins with continuous pack blocked on the tubes by mechanical expansion. Brass manifolds equipped with Ø 1/2 "and 3/4" female gas connections and easily accessible air vent valves. Hydraulic connections positioned on the left (front view), on request supplied on the right. The coils are reversible, so the connection side can also be reversed on site. The heat exchange coil is not suitable for use in corrosive atmospheres.

**Customization:**

our engineering is able to satisfy any customization requirement, ranging from simple aesthetic finishes to the satisfaction of specific dimensional, performance or application constraints.

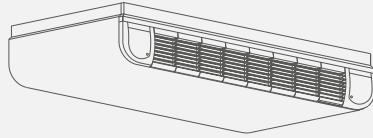
☰ Versions

X0



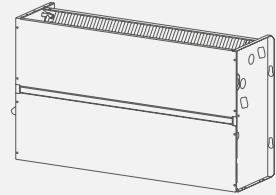
Frontal cabinet version
Vertical installation
Bottom air intake

X9



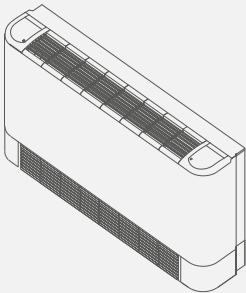
Frontal cabinet version
Horizontal installation
Rear air intake

X2



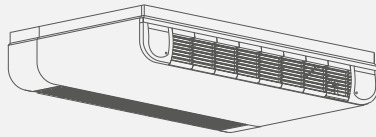
Concealed version
Vertical installation
Vertical air supply

X8



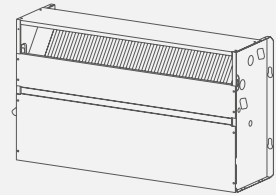
Frontal cabinet version
Vertical installation
Frontal air intake with socle

X1



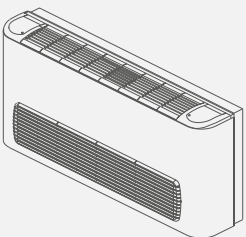
Frontal cabinet version
Horizontal installation
Frontal air intake with socle

X7



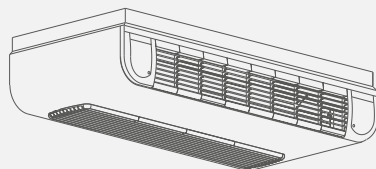
Concealed version
Vertical installation
Frontal air supply

X5



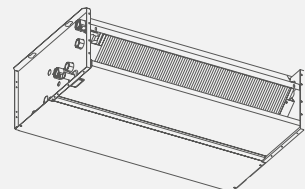
Frontal cabinet version
Vertical installation
Frontal air intake

X4



Frontal cabinet version
Horizontal installation
Frontal air intake

X3



Concealed version
Horizontal installation
Horizontal air supply

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			10	20	30	40	50	60	70	80	90	100	110	120
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	37	55	61	61	94	94	98	166	166	158	-	-
		W 5	30	42	50	50	72	80	76	155	155	148	251	251
		W 4	23	32	43	43	59	59	59	144	144	137	230	230
		W 3	17	27	36	35	48	48	50	131	131	126	215	212
		W 2	16	22	26	26	37	40	40	113	113	117	180	180
		W 1	13	18	18	18	33	33	33	91	91	108	146	146
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	(E)	A 6	0,17	0,25	0,26	0,26	0,40	0,40	0,43	0,79	0,79	0,72	-	-
		A 5	0,13	0,19	0,22	0,22	0,31	0,31	0,33	0,72	0,72	0,67	1,13	1,13
		A 4	0,10	0,14	0,18	0,18	0,24	0,24	0,26	0,66	0,66	0,62	1,04	1,04
		A 3	0,08	0,12	0,15	0,15	0,20	0,20	0,21	0,60	0,60	0,58	0,99	0,99
		A 2	0,07	0,10	0,11	0,11	0,16	0,16	0,17	0,51	0,51	0,54	0,85	0,85
		A 1	0,06	0,09	0,08	0,08	0,14	0,14	0,15	0,41	0,41	0,50	0,72	0,72
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz											

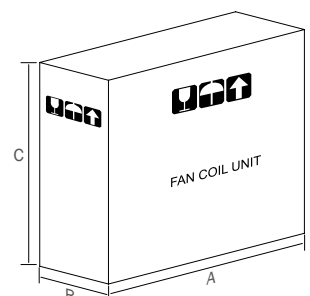
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			10	20	30	40	50	60	70	80	90	100	110	120
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	-	29	29	29	58	58	-	106	119	89	-	-
		W 5	-	22	21	21	37	37	48	94	110	70	-	-
		W 4	-	17	15	15	26	26	28	74	88	55	-	-
		W 3	-	13	12	12	18	18	19	58	67	49	-	-
		W 2	-	10	8	8	14	14	14	34	40	38	-	-
		W 1	-	9	7	7	11	11	11	20	24	31	-	-
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	(E)	A 6	-	0,22	0,23	0,23	0,50	0,50	-	0,83	0,93	0,66	-	-
		A 5	-	0,16	0,16	0,16	0,33	0,33	0,43	0,74	0,87	0,50	-	-
		A 4	-	0,14	0,12	0,12	0,23	0,23	0,25	0,59	0,70	0,39	-	-
		A 3	-	0,11	0,10	0,10	0,17	0,17	0,17	0,45	0,53	0,35	-	-
		A 2	-	0,10	0,08	0,08	0,13	0,13	0,13	0,27	0,32	0,28	-	-
		A 1	-	0,09	0,07	0,07	0,11	0,11	0,11	0,16	0,18	0,25	-	-
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)	(E)	V 6	-	8,3	8,6	8,6	8,4	8,4	-	8,1	8,1	7,7	-	-
		V 5	-	6,8	7,1	7,1	7,0	7,0	8,3	7,8	7,9	6,9	-	-
		V 4	-	5,5	5,6	5,5	5,9	5,8	6,3	7,1	7,2	6,1	-	-
		V 3	-	4,2	4,6	4,5	4,8	4,8	5,1	6,4	6,5	5,8	-	-
		V 2	-	3,3	2,9	3,3	4,5	4,0	4,1	5,1	5,1	5,0	-	-
		V 1	-	2,4	2,1	2,3	4,1	3,3	3,2	4,0	4,0	4,3	-	-
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz											

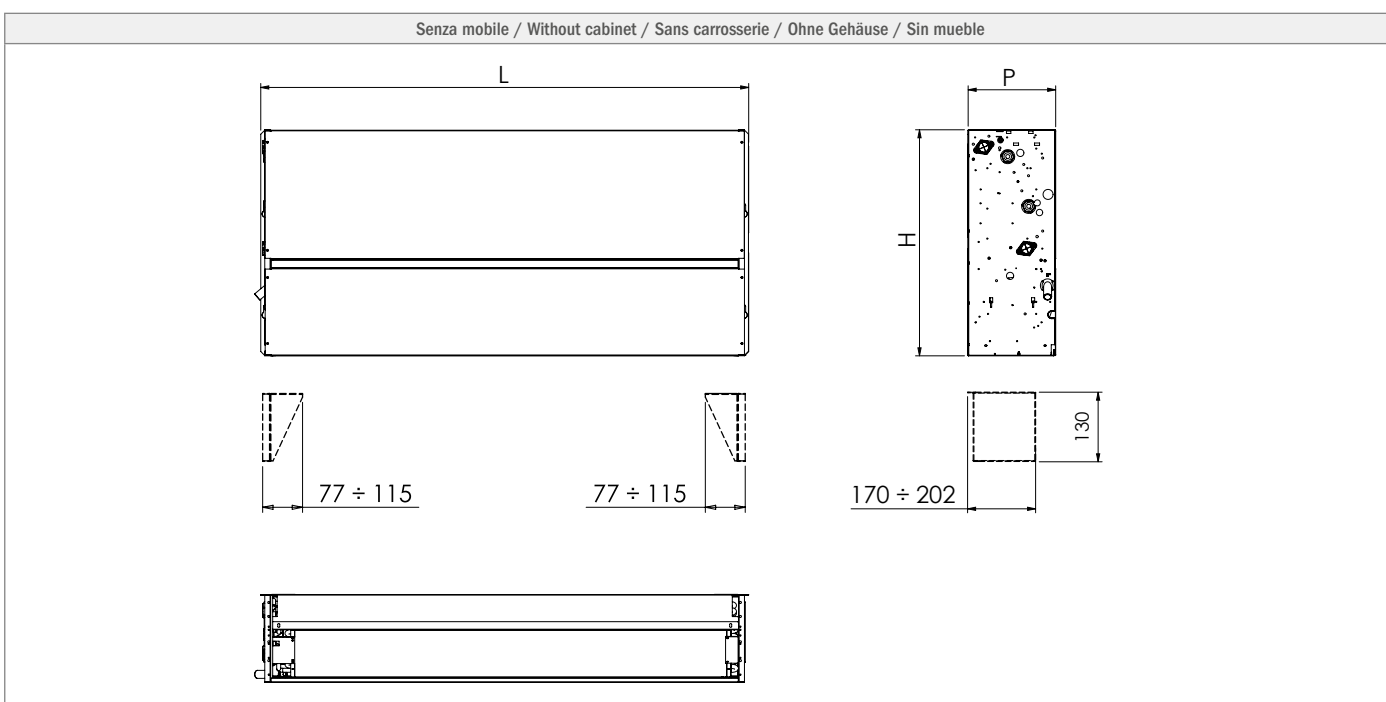
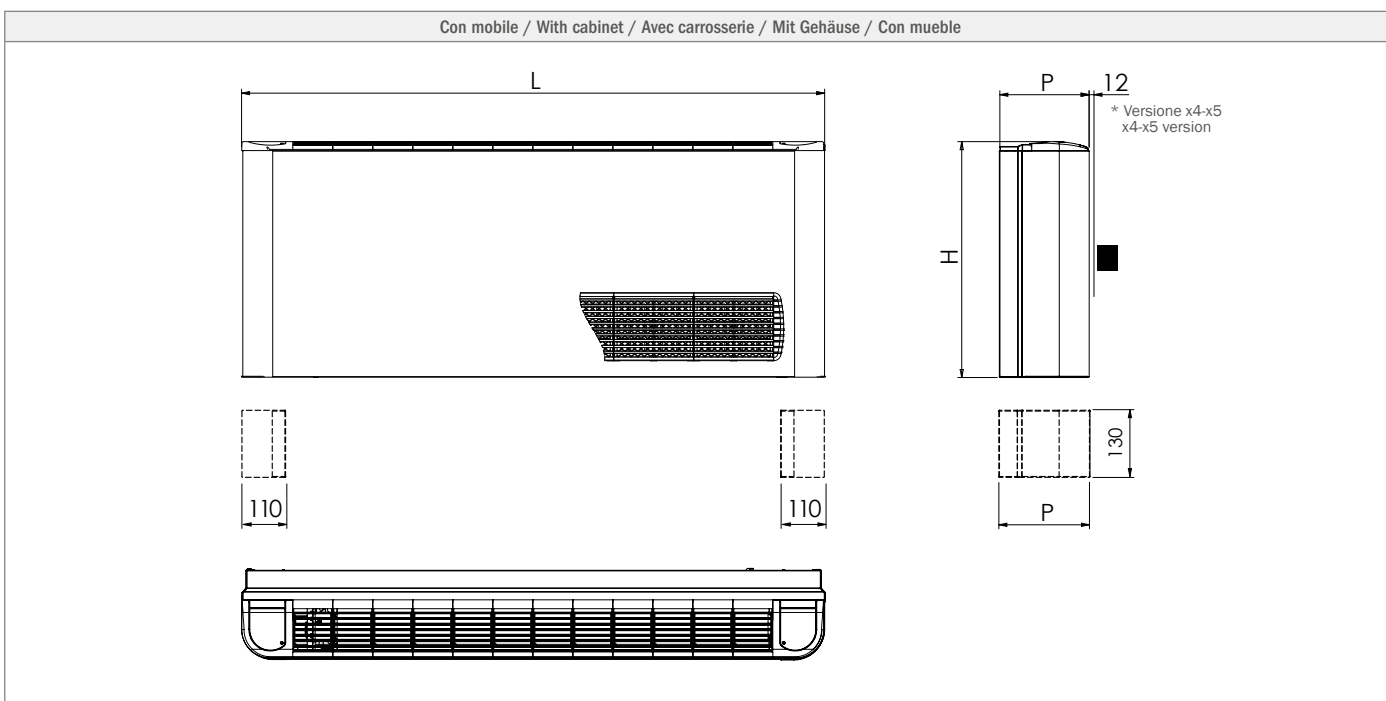
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension [mm] (AxBxC)	net weight [kg]	gross weight [kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 10	680 x 235 x 560	14	15	1200 x 800	17	270
MOD. 20	880 x 235 x 560	17	18	1300 x 900	17	321
MOD. 30	1080 x 235 x 560	22	26	1200 x 1000	13	353
MOD. 40	1080 x 235 x 560	22	24	1200 x 1000	13	327
MOD. 50	1280 x 235 x 560	26	28	1300 x 1000	13	379
MOD. 60	1280 x 235 x 560	26	28	1300 x 1000	13	379
MOD. 70	1280 x 235 x 640	31	33	1300 x 1000	10	345
MOD. 80	1480 x 235 x 640	36	39	1500 x 1000	10	405
MOD. 90	1480 x 235 x 640	36	39	1500 x 1000	10	405
MOD. 100	1680 x 270 x 640	48	51	1800 x 900	7	380
MOD. 110	1980 x 270 x 640	56	60	2000 x 900	7	450
MOD. 120	1980 x 270 x 640	56	60	2000 x 900	7	450

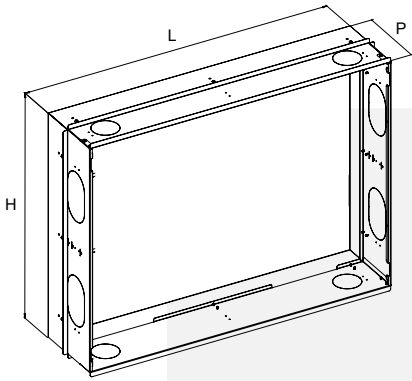


Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			10	20	30	40	50	60	70	80	90	100	110	120
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	660	860	1060	1060	1260	1260	1260	1460	1460	1660	1960	1960
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480	480	480	480	585	585	585	605	605	605
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	225	225	225	225	225	225	225	225	225	257	257	257
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			10	20	30	40	50	60	70	80	90	100	110	120
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	420	620	820	820	1020	1020	1020	1220	1220	1385	1685	1685
Altezza / Height / Hauteur / Höhe / Altura	H	mm	460	460	460	460	460	460	565	565	565	585	585	585
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	220	220	220	220	220	220	220	220	220	252	252	252

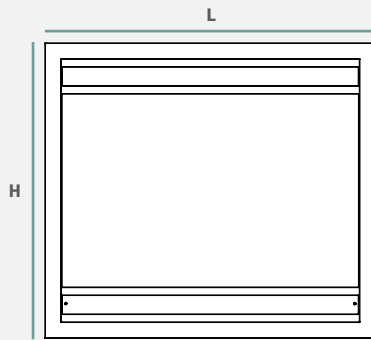


Concealed panel

WIND | WIND-ECM



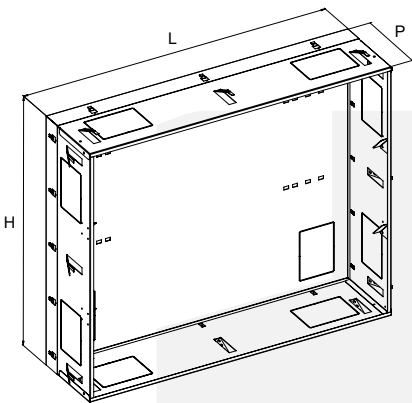
MNFP-W



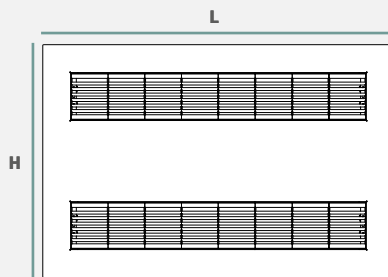
WIND X2-X3

	technical spaces size	front panel size
MOD. 10	780 x 220 x (H)690	840 x 7 x (H)750
MOD. 20	930 x 220 x (H)690	990 x 7 x (H)750
MOD. 30	1080 x 220 x (H)690	1140 x 7 x (H)750
MOD. 40	1080 x 220 x (H)690	1140 x 7 x (H)750
MOD. 50	1380 x 220 x (H)690	1440 x 7 x (H)750
MOD. 60	1380 x 220 x (H)690	1440 x 7 x (H)750
MOD. 70	1380 x 220 x (H)775	1440 x 7 x (H)835
MOD. 80	1530 x 220 x (H)775	1590 x 7 x (H)835
MOD. 90	1530 x 220 x (H)775	1590 x 7 x (H)835

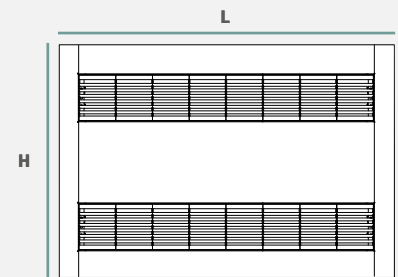
L x P x H (mm)



MFP-W



WFP-W



	technical spaces size	WIND X7 front panel size	WIND X2-X3 front panel size	WIND X7 front panel size	WIND X2-X3 front panel size
MOD. 10	615 x 227 x (H)675	650 x 22 x (H)735	650 x 22 x (H)895	650 x 20 x (H)720	650 x 20 x (H)880
MOD. 20	815 x 227 x (H)675	850 x 22 x (H)735	850 x 22 x (H)895	850 x 20 x (H)720	850 x 20 x (H)880
MOD. 30	1015 x 227 x (H)675	1050 x 22 x (H)735	1050 x 22 x (H)895	1050 x 20 x (H)720	1050 x 20 x (H)880
MOD. 40	1015 x 227 x (H)675	1050 x 22 x (H)735	1050 x 22 x (H)895	1050 x 20 x (H)720	1050 x 20 x (H)880
MOD. 50	1215 x 227 x (H)675	1250 x 22 x (H)735	1250 x 22 x (H)895	1250 x 20 x (H)720	1250 x 20 x (H)880
MOD. 60	1215 x 227 x (H)675	1250 x 22 x (H)735	1250 x 22 x (H)895	1250 x 20 x (H)720	1250 x 20 x (H)880
MOD. 70	1215 x 227 x (H)780	1250 x 22 x (H)840	1250 x 22 x (H)1000	1250 x 20 x (H)825	1250 x 20 x (H)985
MOD. 80	1415 x 227 x (H)780	1450 x 22 x (H)840	1450 x 22 x (H)1000	1450 x 20 x (H)825	1450 x 20 x (H)985
MOD. 90	1415 x 227 x (H)780	1450 x 22 x (H)840	1450 x 22 x (H)1000	1450 x 20 x (H)825	1450 x 20 x (H)985

L x P x H (mm)

The series lends itself to be easily installed also in the built-in version through the special niche and its front panel specially designed and developed in multiple configurations and variants in order to satisfy any application need.

This installation method, in addition to ensuring perfect integration of the unit within the environment, allows at the same time to recover more living space, offering the possibility of confining the unit and any accessories supplied inside the niche, specially sized to ensure total accessibility during the installation and maintenance phases.

WIND Concealed panel versions

MNFP-W

Panel for vertical and horizontal units, of limited thickness (7 mm only), made of hot-dip galvanized steel powder coated in white RAL 9003 color with directional air delivery flap.

The whole can be painted on site with the same color as the wall.

MFP-W

Panel for vertical and horizontal units, of limited thickness (3mm only), made of hot-galvanized sheet metal and pre-coated with a polyvinyl chloride film to guarantee high corrosion resistance, in matt white RAL 9010 color.

The grilles are instead made of ABS, in matt white RAL 9010.

The panel is also available in the galvanized version that can be painted on site.

WFP-W

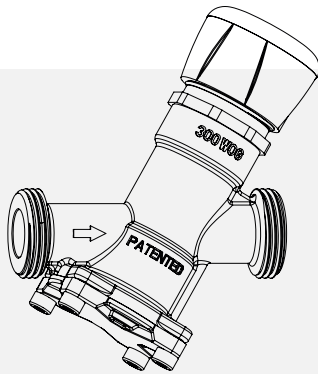
Panel for vertical units only made of wood (MDF) lacquered matt white RAL 9010 with ABS grills in matt white RAL 9010.

Also available in the paintable version on site.

All the panels listed above can be supplied, on request, also in other colors or with special finishes.



Independent balancing valve



This type of valve combines two functions in a single valve, keeps the flow rate constant as the system pressure changes and at the same time regulates the flow according to the temperature, allowing perfect balancing of the hydraulic system, ensuring for each fan coil unit the desired water flow even under partial loads.

The adjustment can be performed automatically through the installation of a linear ON / OFF or modulating actuator.

Main advantages:

- Simplified selection
- Easy installation
- High valve authority which remains constant
- Constant flow rate as the differential pressure changes
- Optimized installation by measuring the set pressure
- Energy efficiency thanks to the low differential pressure required
- Maintenance of the set water flow even at partial loads
- Optimization of pump speed using pressure taps (optional)
- Preset locked by hooking

Valve performance technical data

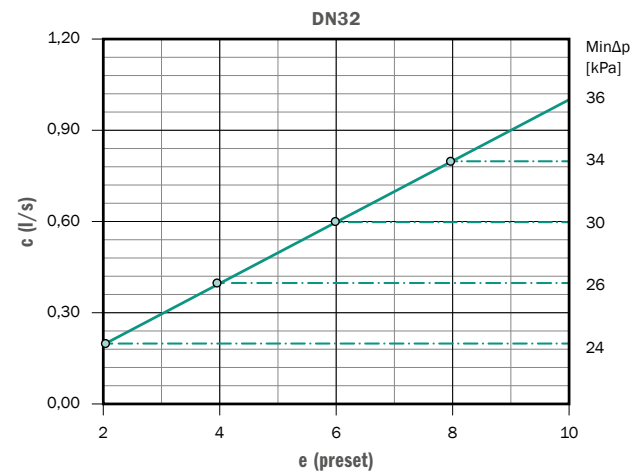
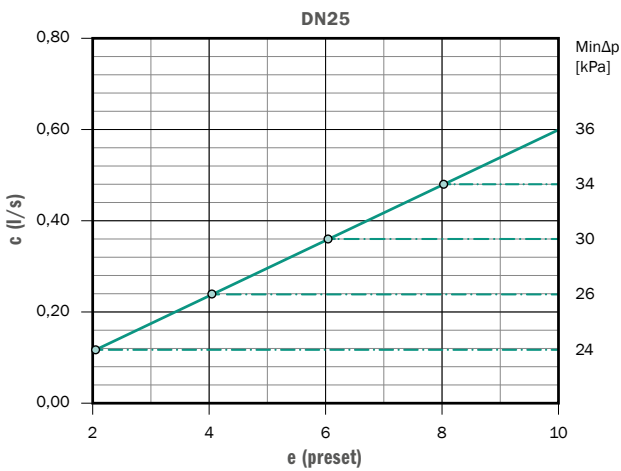
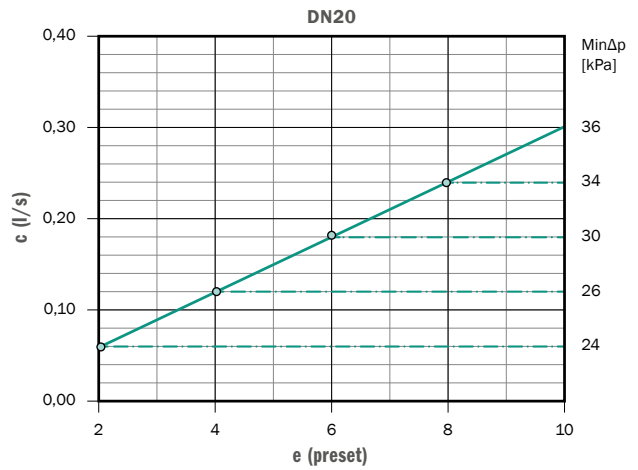
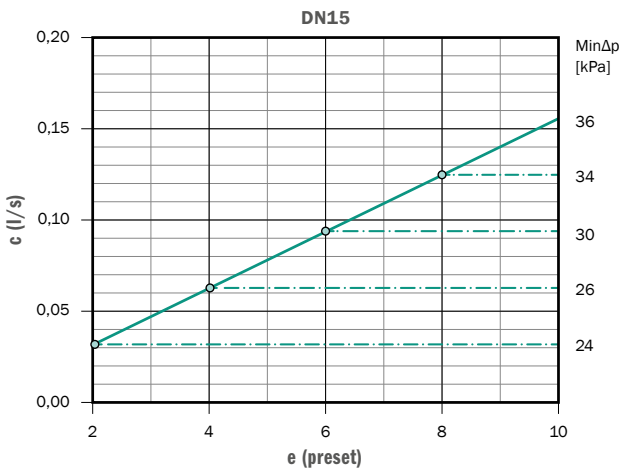
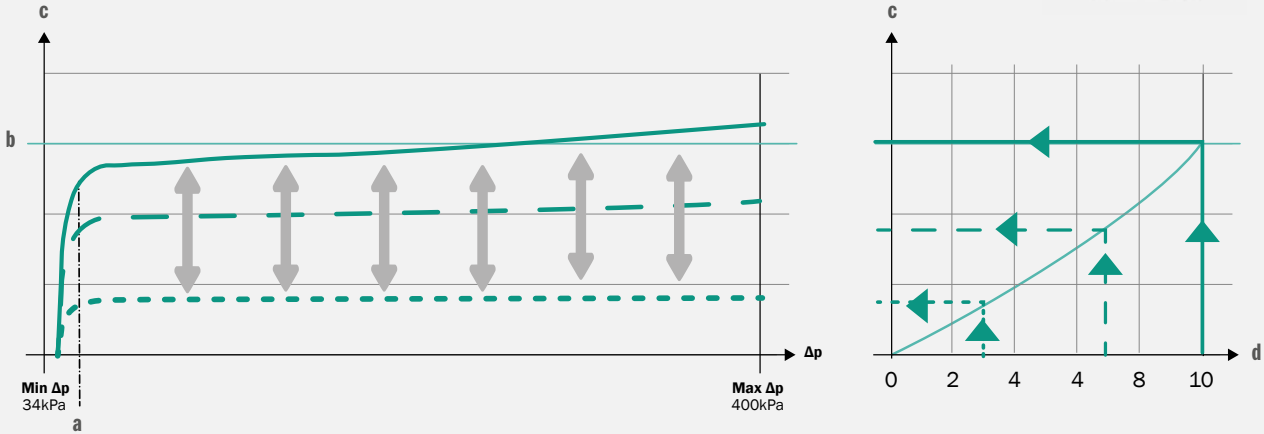
Attention: this type of valve is available only for units in the built-in version.
For any combinations on units with a cover cabinet, please contact our sales department.

2 tubi - pipes - tubes Leiter - tubos		10	20	30	40	50	60	70	80	90	100	110	120	
	DN	DN 15	DN 15	DN 15	DN 15	DN 20	DN 20	DN 20	DN 20	DN 20	DN 25	DN 25	DN 25	
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"1/4	1"1/4	1"1/4	
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min	0,030	0,030	0,030	0,030	0,062	0,062	0,062	0,062	0,062	0,12	0,12	0,12
		max	0,150	0,150	0,150	0,150	0,311	0,311	0,311	0,311	0,311	0,6	0,6	0,6
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,030	0,048	0,062	0,062	0,105	0,116	0,118	0,148	0,164	0,283	0,311	0,348
		max	0,044	0,083	0,127	0,135	0,187	0,206	0,239	0,296	0,302	0,404	0,536	0,567

4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)		10	20	30	40	50	60	70	80	90	100	110	120	
	DN	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 20	DN 20	DN 20	DN 20	DN 20	
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min	0,030	0,030	0,030	0,030	0,030	0,030	0,062	0,062	0,062	0,062	0,062	
		max	0,150	0,150	0,150	0,150	0,150	0,150	0,150	0,311	0,311	0,311	0,311	0,311
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,019	0,033	0,043	0,040	0,060	0,070	0,069	0,094	0,095	0,163	0,173	0,204
		max	0,034	0,056	0,078	0,077	0,103	0,111	0,139	0,164	0,171	0,214	0,277	0,313

Presetting and nomograms

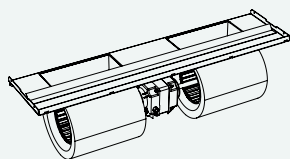
In accordance with the principles of dynamic balancing, presetting allows you to set the maximum flow rate of the valve, i.e. the flow rate which will be kept constant within the differential pressure range of use, with the valve fully open. The presetting affects the minimum differential pressure of use of the valve.



a	Funzione di prerogolazione / Preset function / Fonction de pré-réglage / Voreingestellte Funktion / Función preestablecida
b	Portata prerogolata / Preset flow rate / Débit pré-réglé / Voreingestellte Durchflussmenge / Caudal preestablecido
c (l/s)	Portata / Flow / Débit / Durchflussrate / Caudal
d	Segnale / Signal / Signal / Signal / Señal
e	Prerogolazione / Preset / Pré-réglage / Voreinstellung / Preajuste

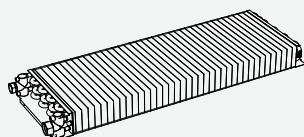
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



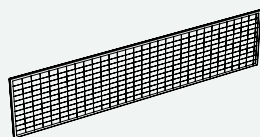
Fan section:

In addition to the asynchronous motor and the Brushless ECM motor, the series can also be supplied with high head motors or motors equipped with thermal protection (fail contact). On request also motors with special requirements.



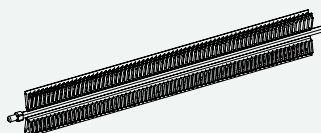
Coils:

4-row coils for 2-pipe systems, 1 row for 4-pipe systems, R410A DX coil. On request also special coils made with special materials or treatments for corrosive atmospheres or with technical precautions to be able to operate at special pressures.



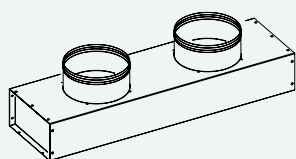
Filters:

in addition to the basic filter supplied with G1 * / EU1 ** efficiency standards, the series can also be equipped with G2 * / EU2 ** or G3 * / EU3 ** filters. (* according to EN779 / ** according to Eurovent)



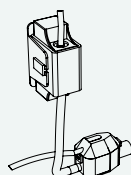
Electric heaters:

electric heater kit from 600W to 3000W, equipped with safety thermostat, 230Vac / 1Ph / 50-60Hz.

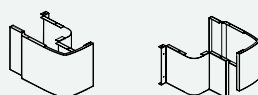


Plenum:

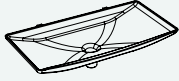
wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement. Fully customized plenums can also be made on request.



Auxiliary condensate drain pump

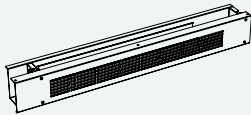


Recessed feet and floor fixing brackets



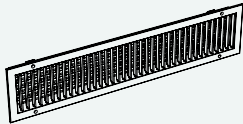
Auxiliary condensate drain pan:

for horizontal or vertical units



Air intake damper kit:

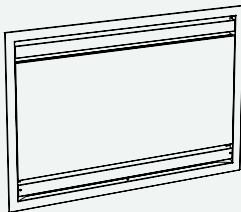
for horizontal or vertical units (primary air, max 8%), can also be equipped with servomotor for motorized opening.



Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.

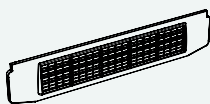
The grills can also be painted on request with the RAL color of your choice.



Panels and technical spaces:

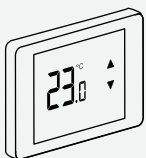
wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces.

Also available the rear cover panel for installation on glass.



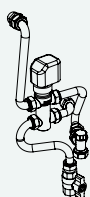
Bottom closure:

in pre-painted sheet metal also available with return grid and integrated air filter.



Control:

wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.



Valves:

wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

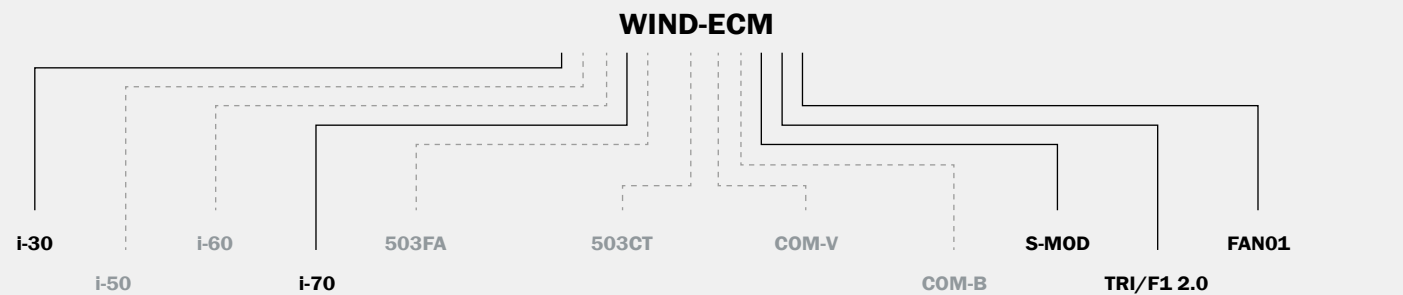
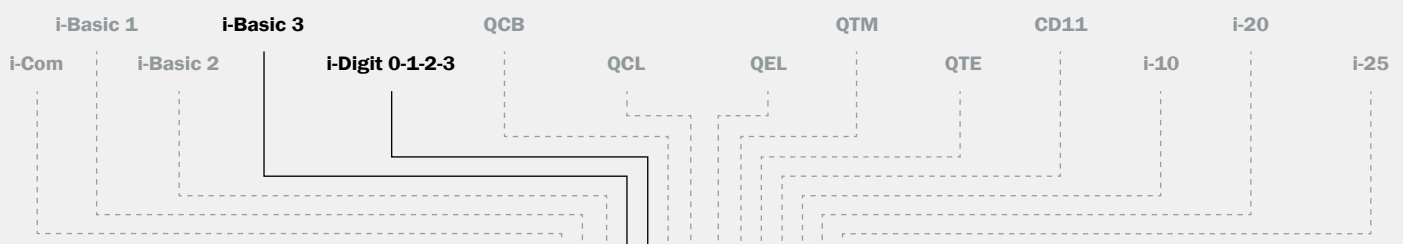
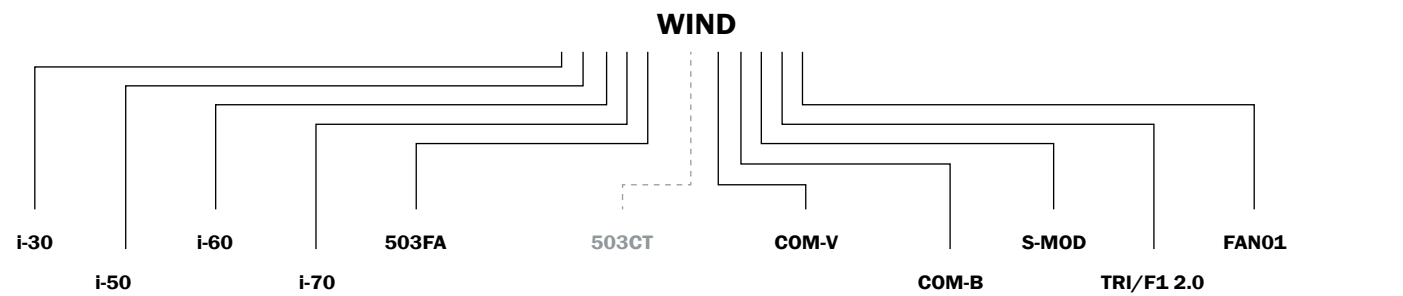
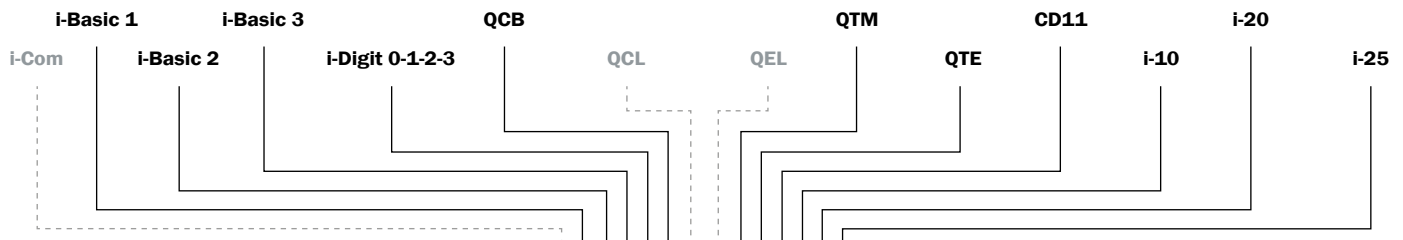
503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeshalter Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls

Scheda di potenza per controllo a 3 velocità
 Power chart for 3-speed control
 Fiche de puissance pour contrôle à 3 vitesses
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten
 Tarjeta de alimentación para el control de 3 velocidades

	i-Com	i-Basic 1	i-Basic 2	i-Basic 3	i-Digit 0-1-2-3	TRI/F1 2.0	CD11	i-10	i-20	i-25	i-30	i-50	i-60	i-70	503FA	503BUS+DIN5	S-MOD	FAN01
Mod. 10
Mod. 20
Mod. 30
Mod. 40
Mod. 50
Mod. 60
Mod. 70
Mod. 80	.	.	○	○	○	○	○
Mod. 90	.	.	○	○	○	○	○
Mod. 100	.	.	○	○	○	○	○
Mod. 110	.	.	○	○	○	○	○
Mod. 120	.	.	○	○	○	○	○

WIND | WIND-ECM



- Compatible
Compatible
Compatible
Kompatibel
Compatible
- - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible
- Non necessaria
Not necessary
Non nécessaire
Nicht erforderlich
No Requerido
- Necessaria (inclusa di serie)
Necessary (included as standard)
Nécessaire (comprise de série)
Erforderlich (serienmäßig inbegriffen)
Requerido (incluido de serie)
- Necessaria (non inclusa)
Necessary (not included)
Nécessaire (non comprise)
Erforderlich (nicht inbegriffen)
Requerido (no incluido)

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

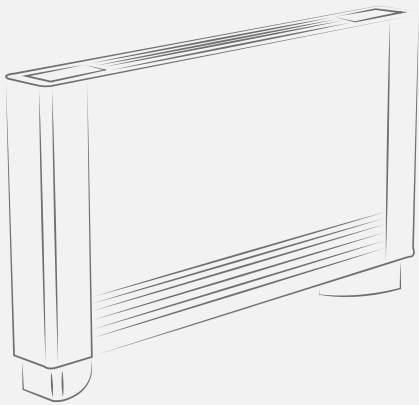
Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

Special units.

A concrete response, for every need.

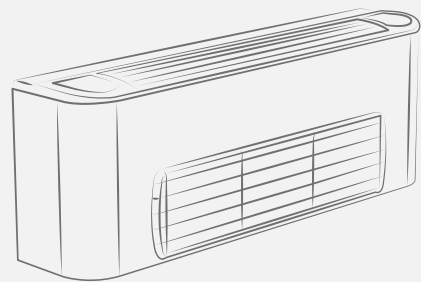
SPECIAL

MINIFLAT-ECM



Thin profile tangential
fan coil unit

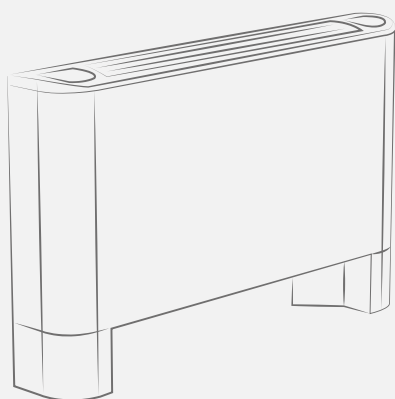
BABYWIND



Low profile centrifugal
fan coil unit

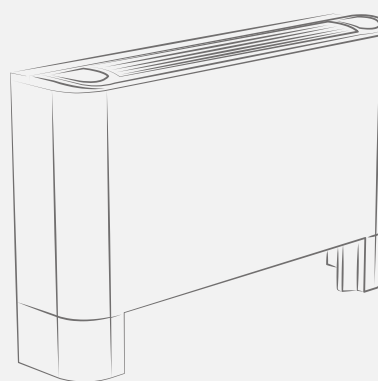
In order to be able to provide a concrete answer to any type of installation requirement, especially when there are dimensional limits, **Eden** can provide multiple solutions on request, mainly dedicated for application in the residential, commercial and tertiary sectors, which are characterized by the strong combination of performance, dimensional compactness and low noise emissions, emphasized by the construction features adopted.

FLAT



Thin profile centrifugal fan coil unit

LIVE

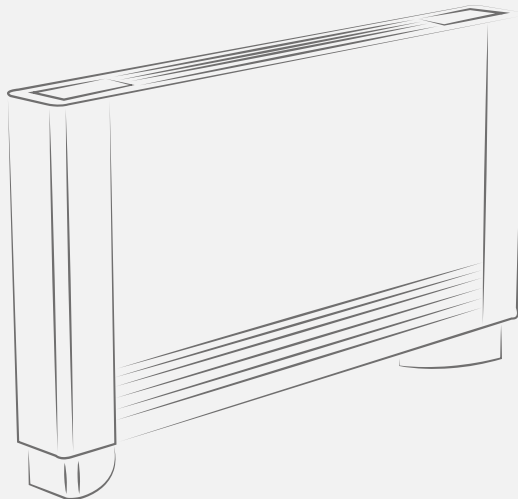


Tangential fan coil unit

MINIFLAT-ECM


Thin profile tangential fan coil unit

SPECIAL



Exclusive design, superlative comfort

 **0.8 ÷ 3.6** kW
cooling

 **1.8 ÷ 7.8** kW
heating

 **50%**
energy saving up to 50%

 **53 - 610** m³/h
air flow





**Ultra-thin:**

compact dimensions distinguished by a thickness of only 130 mm, elegant and minimal design and high performance with low energy consumption. The perfect solution for ideal comfort in a residential environment.

**Radiant panel:**

in "heating" mode it is possible to take advantage of an important advantage that integrates a special radiant effect (only for version XX5R) to the traditional convective functioning.

This feature guarantees a further refinement of the user's environmental comfort, keeping the temperature set-point constant and initially reached quickly and dynamically by using the tangential fan.

This ideal condition of comfort can then be easily maintained thanks to the use of very low consumption micro fans, which ensure the desired thermal gradient, in total harmony and maximum silence.

**Ultra-low noise emissions:**

the main feature of the series lies in the ability to reach the temperature desired by the user in a rapid and dynamic manner, keeping it in complete autonomy through an intelligent modulation of the air flow rate that favors low ventilation speeds, to direct benefit of the psychophysical comfort of the user, always guaranteed by low noise emissions.

**High energy savings:**

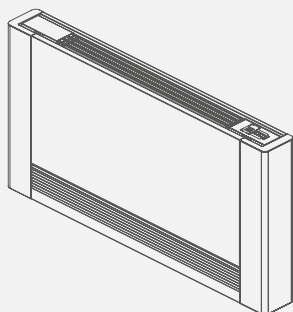
an aspect of considerable importance is also the high energy savings made possible through the use of an exclusive inverter motor that allows a significant reduction in energy consumption.

High performance with very low sound emissions

Innovative fan coil solution for heating, cooling and dehumidification that allows high energy savings to be achieved thanks to the possibility of being combined with low temperature heat generators such as heat pumps, condensing boilers and integrated systems with solar panels, guaranteeing ideal comfort with very low noise emissions.

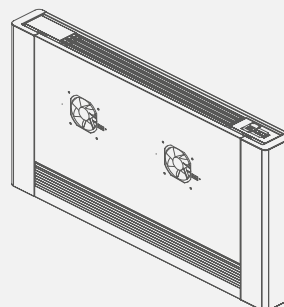


XX5



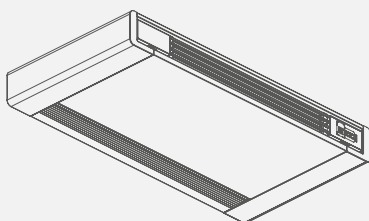
Frontal cabinet version
Vertical installation
Frontal air intake

XX5R



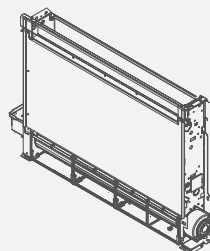
Frontal cabinet version
Vertical installation
Integrated radiant panel
Frontal air intake

XX4



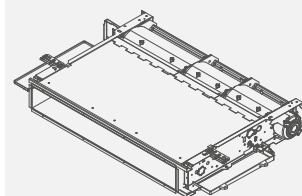
Frontal cabinet version
Horizontal installation
Frontal air intake

XX2



Concealed version
Vertical installation
Frontal air intake

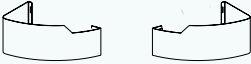
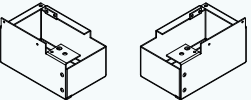
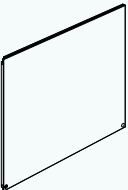
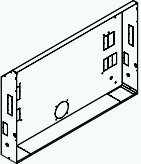
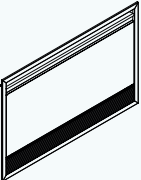
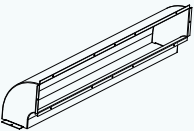
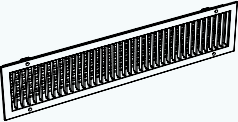



XX3



Concealed version
Horizontal installation
Frontal air intake








The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.

	<p>Feet covering the connecting hydraulic pipework coming from the floor.</p>
	<p>Ground anchor feet</p>
	<p>Pre-painted back panel</p>
	<p>Steel box for vertical/horizontal recessed units.</p>
	<p>Casing cover panel for vertical installation included of casing, inlet grill and outlet louver.</p>
	<p>Plenum - 90° supply plenum - air intake straight plenum fitting for built-in installation</p>
	<p>Grills adjustable air supply aluminium grill with double orienting louvres and air intake aluminium grill with straight profile.</p>
	<p>Motor cable for on-site left to right water connection exchange.</p>
	<p>Control: wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.</p>
	<p>Valves: wide range of valves supplied.</p>

Performance technical data

MINIFLAT-ECM

2 tubi - pipes - tubes Leiter - tubos			005-2 004-2 003-2 002-2		005R-2		015-2 014-2 013-2 012-2		015R-2		025-2 024-2 023-2 022-2		025R-2		035-2 034-2 033-2 032-2		035R-2		045-2 044-2 043-2 042-2		045R-2		
	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W	3	805		1737		2592		3230		3580											
		W	2	645		1340		1940		2544		2686											
		W	1	384		650		1167		1836		1786											
 7/12 °C	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W	3	601		1253		1917		2563		2835											
		W	2	493		930		1400		2231		2100											
		W	1	279		373		909		1755		1352											
 27 °C d.b. 19 °C w.b.	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	139		299		446		555		616											
		l/h	2	111		231		334		437		462											
		l/h	1	66		112		201		316		307											
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	7,0		8,3		22,0		18,0		23,5											
		kPa	2	1,8		8,0		15,7		9,8		14,7											
		kPa	1	1,5		3,4		3,5		1,6		7,7											
 45/40 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	908	972	1950	2026	2657	2816	3355	3607	3877	4013										
		W	2	676	724	1461	1519	1994	2113	2637	2835	3029	3135										
		W	1	354	380	853	886	1056	1119	1644	1767	1798	1861										
 20 °C	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	156	156	335	335	457	457	577	577	667	667										
		l/h	2	116	116	251	251	343	343	453	453	521	521										
		l/h	1	61	61	147	147	182	182	283	283	309	309										
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	7,0	7,0	8,1	8,1	31,8	31,8	14,6	14,6	20,1	20,1										
		kPa	2	3,4	3,4	4,7	4,7	9,1	9,1	7,7	7,7	12,0	12,0										
		kPa	1	1,4	1,4	1,5	1,5	2,3	2,3	2,6	2,6	4,8	4,8										
 70/60 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	1833	1962	3938	4091	5350	5670	6750	7256	7819	8093										
		W	2	1305	1396	2957	3073	4014	4255	5308	5706	6111	6325										
		W	1	680	727	1657	1721	2166	2296	3335	3585	3635	3762										
 20 °C	Portata aria Air flow Débit d'air Luftstrom Flujo de aire	m³/h	3	157		316		451		557		610											
		m³/h	2	110		249		359		438		465											
		m³/h	1	53		153		243		358		401											
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica		dB(A)	3	51		53		54		55		57											
		dB(A)	2	44		45		46		47		48											
		dB(A)	1	33		35		36		36		37											
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora		dB(A)	3	42		44		45		46		48											
		dB(A)	2	35		36		37		38		39											
		dB(A)	1	24		26		27		27		28											
 Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			005-2 004-2 003-2 002-2		005R-2		015-2 014-2 013-2 012-2		015R-2		025-2 024-2 023-2 022-2		025R-2		035-2 034-2 033-2 032-2		035R-2		045-2 044-2 043-2 042-2		045R-2		
Massima potenza elettroventilatore Maximum Power input Puissance max. ventilateur électrique maximale Leistungsaufnahme Potencia eléctrica máxima del ventilador	W			11,9	12,9	17,6	19,6	19,8	21,8	26,5	29,5	29,7	32,7										
Corrente massima assorbita Maximum absorbed current Courant maximum absorbé Maximale Stromaufnahme Corriente máxima absorbida	A			0,11		0,16		0,18		0,26		0,28											
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación				~230V / 1ph / 50-60Hz																			

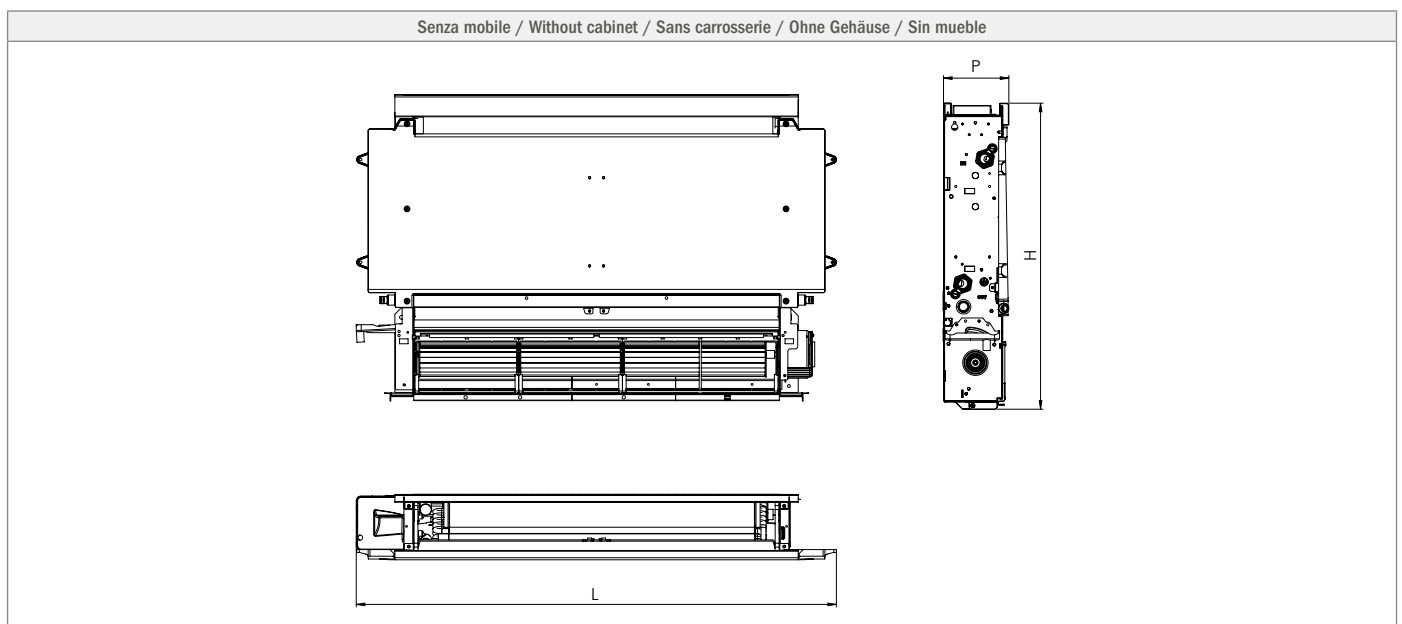
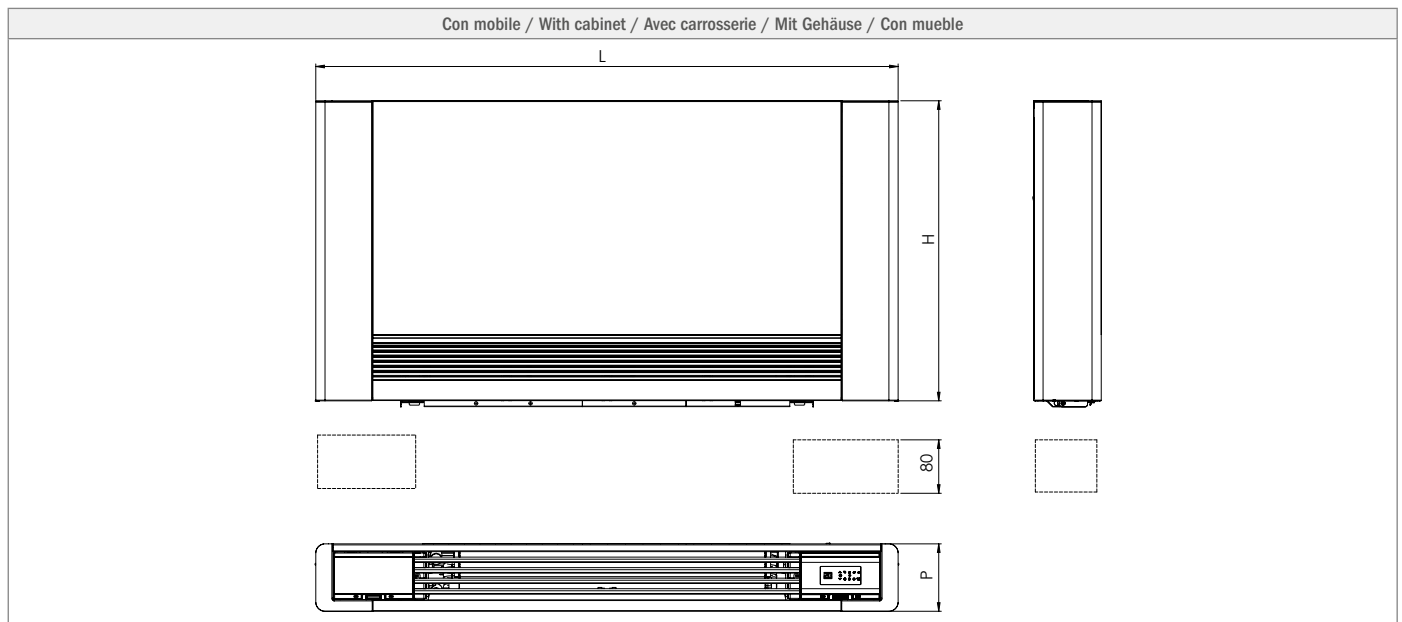
- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
- **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
- **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
- **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
- **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

4 tubi - pipes - tubes Leiter - tubos				005-4 004-4 003-4 002-4	015-4 014-4 013-4 012-4	025-4 024-4 023-4 022-4	035-4 034-4 033-4 032-4	045-4 044-4 043-4 042-4	
 7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W	3	737	1599	2367	2940	3429	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W	2	349	1374	2000	2401	2841	
		W	1	272	936	1463	2035	2570	
 20 °C	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	126	273	407	506	591	
		l/h	2	60	235	344	413	489	
		l/h	1	47	160	252	350	443	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	5,9	7,0	18,2	14,4	20,4	
		kPa	2	2,8	5,4	13,5	10,1	14,7	
		kPa	1	2,2	2,7	7,8	7,6	12,4	
	 65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	757	1791	2281	2883	3894
			W	2	535	1582	1972	2494	3346
			W	1	391	1163	1483	2219	3084
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	65	154	196	248	335		
	l/h	2	46	136	170	214	288		
	l/h	1	34	100	128	191	266		
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	2,2	3,7	5,2	4,1	6,6		
	kPa	2	1,2	3,0	4,0	3,1	5,1		
	kPa	1	0,5	1,7	2,5	2,5	4,3		
 70/60 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	951	2083	2729	3365	4465	
		W	2	747	1840	2378	2922	3844	
		W	1	444	1362	1852	2609	3548	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	82	179	235	289	384	
		l/h	2	64	158	205	251	331	
		l/h	1	38	117	159	224	305	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	3,3	4,7	7,0	5,2	8,3	
		kPa	2	2,1	3,8	5,6	4,1	6,4	
		kPa	1	0,9	2,3	3,6	3,4	5,6	
	Portata aria Air flow Débit d'air Luftstrom Flujo de aire	m³/h	3	143	285	402	512	567	
		m³/h	2	98	227	316	395	435	
		m³/h	1	49	136	210	325	381	
	Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica	dB(A)	3	51	53	54	55	57	
		dB(A)	2	44	45	46	47	48	
		dB(A)	1	33	35	36	36	37	
	Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	dB(A)	3	42	44	45	46	48	
		dB(A)	2	35	36	37	38	39	
		dB(A)	1	24	26	27	27	28	
Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM				005-4 004-4 003-4 002-4	015-4 014-4 013-4 012-4	025-4 024-4 023-4 022-4	035-4 034-4 033-4 032-4	045-4 044-4 043-4 042-4	
Massima potenza elettroventilatore Maximum Power input Puissance max. ventilateur électrique maximale Leistungsaufnahme Potencia eléctrica máxima del ventilador	W			11,9	17,6	19,8	26,5	29,7	
Corrente massima assorbita Maximum absorbed current Courant maximum absorbé Maximale Stromaufnahme Corriente máxima absorbida	A			0,11	0,16	0,18	0,26	0,28	
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación				~230V / 1ph / 50-60Hz					

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

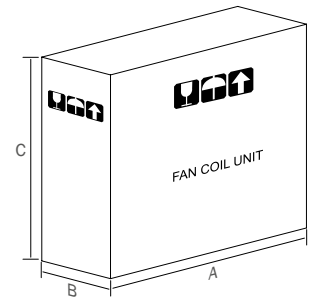
Dimensions

			2 tubi - pipes - tubes Leiter - tubos					4 tubi - pipes - tubes Leiter - tubos				
Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			005R-2 005-2 004-2	015R-2 015-2 014-2	025R-2 025-2 024-2	03R-2 035-2 034-2	04R-2 045-2 044-2	005R-4 005-4 004-4	015R-4 015-4 014-4	025R-4 025-4 024-4	035R-4 035-4 034-4	045R-4 045-4 044-4
Lunghezza / Lenght / Longueur / Länge / Longitud	L	mm	723	923	1123	1323	1523	723	923	1123	1323	1523
Altezza / Height / Hauteur / Höhe / Altura	H	mm	579	579	579	579	579	639	639	639	639	639
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	129	129	129	129	129	129	129	129	129	129
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			003-2 002-2	013-2 012-2	023-2 022-2	033-2 032-2	043-2 042-2	003-4 002-4	013-4 012-4	023-4 022-4	033-4 032-4	043-4 042-4
Lunghezza / Lenght / Longueur / Länge / Longitud	L	mm	525	725	925	1125	1325	525	725	925	1125	1325
Altezza / Height / Hauteur / Höhe / Altura	H	mm	590	590	590	590	590	650	650	650	650	650
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	126	126	126	126	126	126	126	126	126	126



Weights and packaging

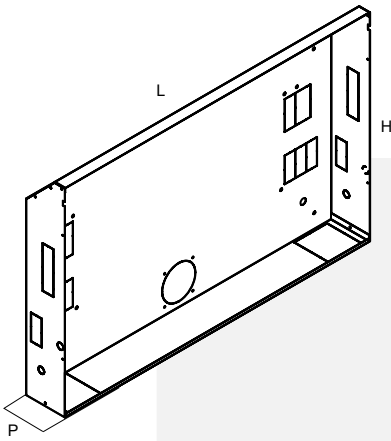
	dimensioni dimension	peso netto net weight	peso lordo gross weight
	[mm] (AxBxC)	[kg]	[kg]
MOD. 004	830 x 210 x 690	17	18
MOD. 014	1030 x 210 x 690	20	21
MOD. 024	1230 x 210 x 690	23	24
MOD. 034	1430 x 210 x 690	26	27
MOD. 044	1630 x 210 x 690	29	30
MOD. 005	830 x 210 x 690	17	18
MOD. 015	1030 x 210 x 690	20	21
MOD. 025	1230 x 210 x 690	23	24
MOD. 035	1430 x 210 x 690	26	27
MOD. 045	1630 x 210 x 690	29	30
MOD. 005R	830 x 210 x 690	17	18
MOD. 015R	1030 x 210 x 690	20	21
MOD. 025R	1230 x 210 x 690	23	24
MOD. 035R	1430 x 210 x 690	26	27
MOD. 045R	1630 x 210 x 690	29	30
MOD. 002	630 x 210 x 690	9	10
MOD. 012	830 x 210 x 690	12	13
MOD. 022	1030 x 210 x 690	15	16
MOD. 032	1230 x 210 x 690	18	19
MOD. 042	1430 x 210 x 690	21	22
MOD. 003	630 x 210 x 690	9	10
MOD. 013	830 x 210 x 690	12	13
MOD. 023	1030 x 210 x 690	15	16
MOD. 033	1230 x 210 x 690	18	19
MOD. 043	1430 x 210 x 690	21	22



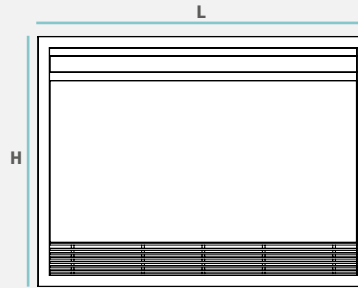
MINIFLATECM

Concealed panel

MINIFLAT-ECM



MIFP-MF



MINIFLAT-ECM

	technical spaces size	front panel size
MOD. 000	715 x 142 x (H)725	772 x 9 x (H)754
MOD. 010	915 x 142 x (H)725	972 x 9 x (H)754
MOD. 020	1115 x 142 x (H)725	1172 x 9 x (H)754
MOD. 030	1315 x 142 x (H)725	1372 x 9 x (H)754
MOD. 040	1515 x 142 x (H)725	1572 x 9 x (H)754

L x P x H (mm)



The series lends itself to be easily installed also in the built-in version through the special niche and its front panel specially designed and developed in order to satisfy any application need.

This installation method, in addition to ensuring perfect integration of the unit within the environment, allows at the same time to recover more living space, offering the possibility of confining the unit and any accessories supplied inside the niche, specially sized to ensure total accessibility during the installation and maintenance phases.

Concealed panel versions

MIFP-MF

Panel for vertical and horizontal units, 9 mm thick, made of hot-galvanized sheet metal painted in white RAL 9003 color.

The panel is designed for perfect coupling with the recessed formwork of the same size and is composed of: an external perimeter frame, a front panel, a removable grid for cleaning the air filters, an adjustable deflector (vertical installation only) for the deviation of the supply air flow.

In addition, the central part of the panel is easily removable to allow unit maintenance operations.



Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 311.

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

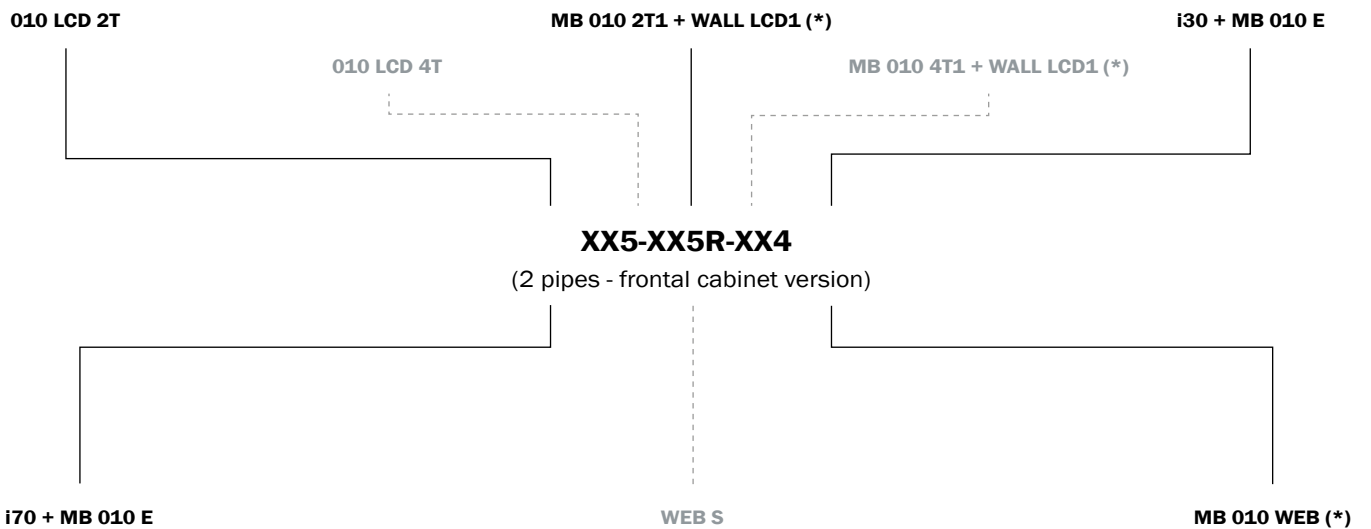
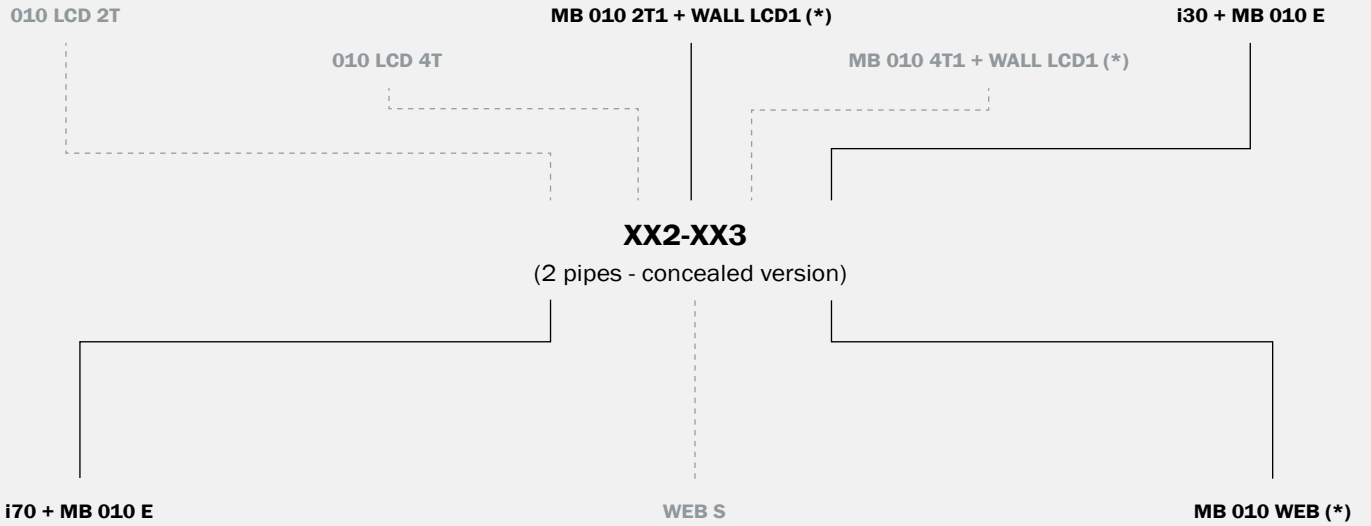
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

Compatibility of controls

MINIFLAT-ECM



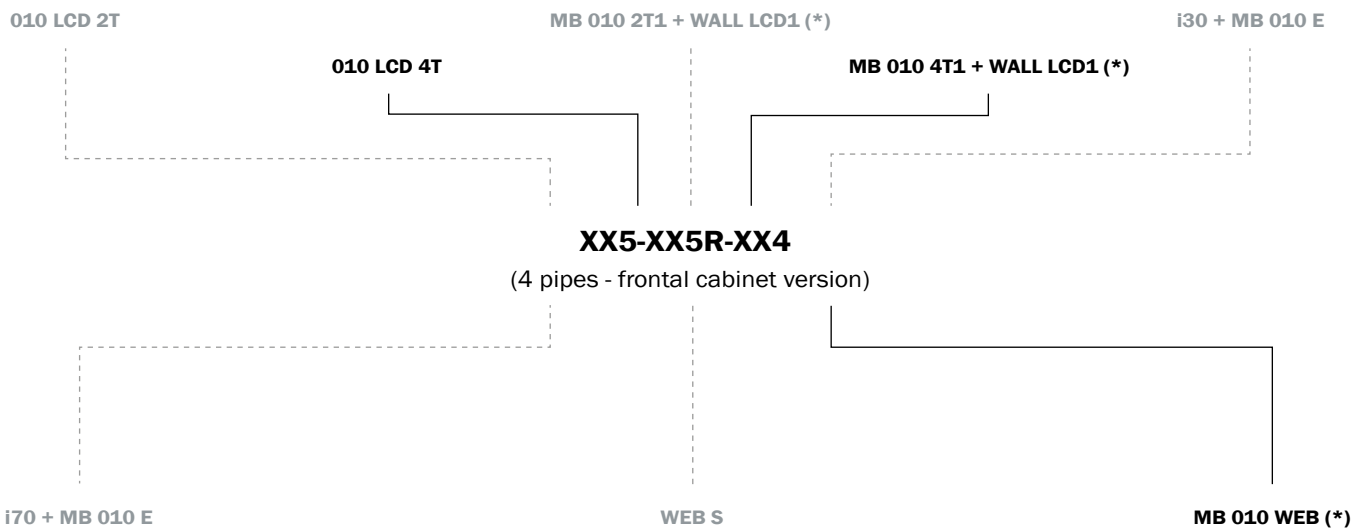
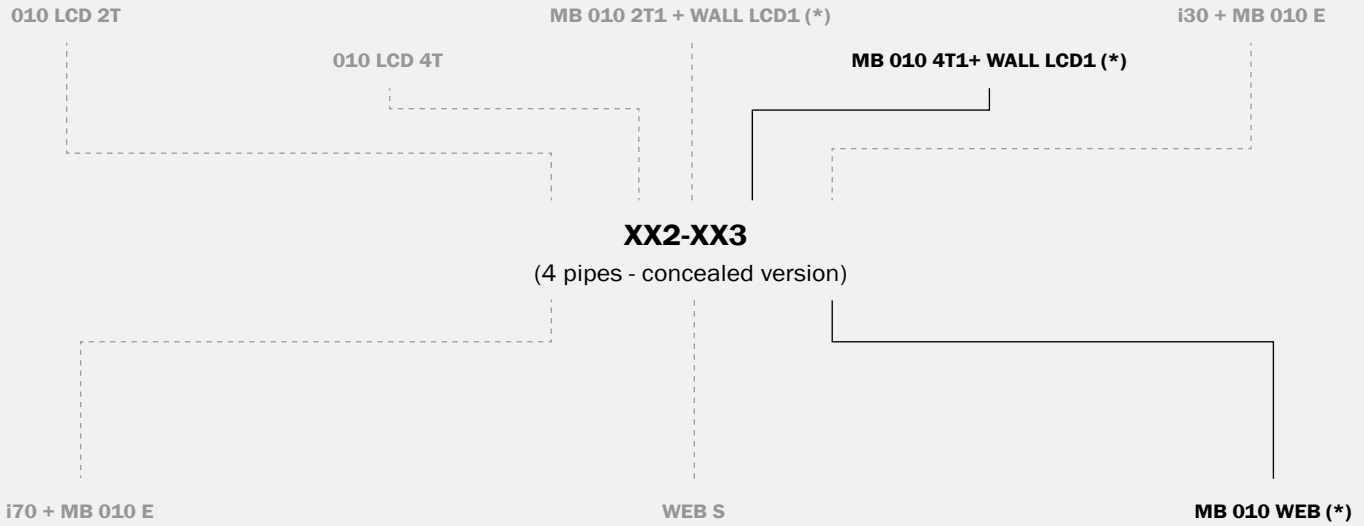
— Compatible
Compatible
Compatible
Kompatibel
Compatible

- - - - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible

* + WEBS per controllo centralizzato via WEB
+ WEBS for remote web control
+ WEBS pour contrôle centralisé via INTERNET
+ WEB S zur zentralisierten Steuerung über WEB
+ WEBS para el control centralizado a través de la WEB

Compatibility of controls

MINIFLAT-ECM



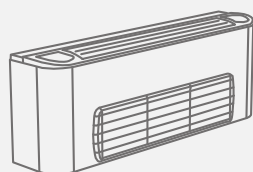
— Compatible
Compatible
Compatible
Kompatibel
Compatible

- - - - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible

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+ WEBS pour contrôle centralisé via INTERNET
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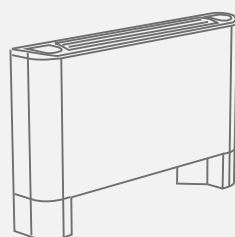
BABYWIND FLAT-LIVE

Special fan coil units



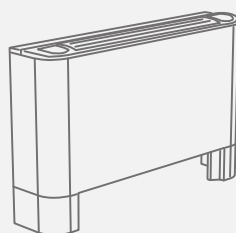
BABYWIND

Low profile centrifugal fan coil unit



FLAT




Thin profile centrifugal fan coil unit



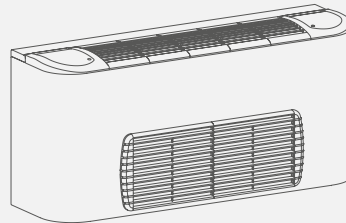
LIVE

Tangential fan coil unit

A concrete response, for every need

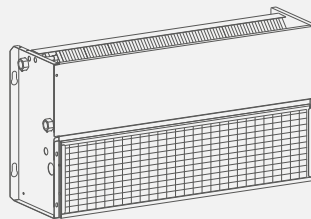
	BABYWIND	FLAT	LIVE
	0.6 ÷ 4.5 kW cooling	0.9 ÷ 2.7 kW cooling	0.6 ÷ 5.1 kW cooling
	0.7 ÷ 4.7 kW heating	1.0 ÷ 2.9 kW heating	0.7 ÷ 5.4 kW heating
	131 - 834 m ³ /h air flow	139 - 468 m ³ /h air flow	125 - 967 m ³ /h air flow

0X5



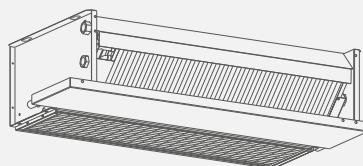
Frontal cabinet version
Vertical installation
Frontal air intake

0X2



Concealed version
Vertical installation
Vertical air supply

0X3

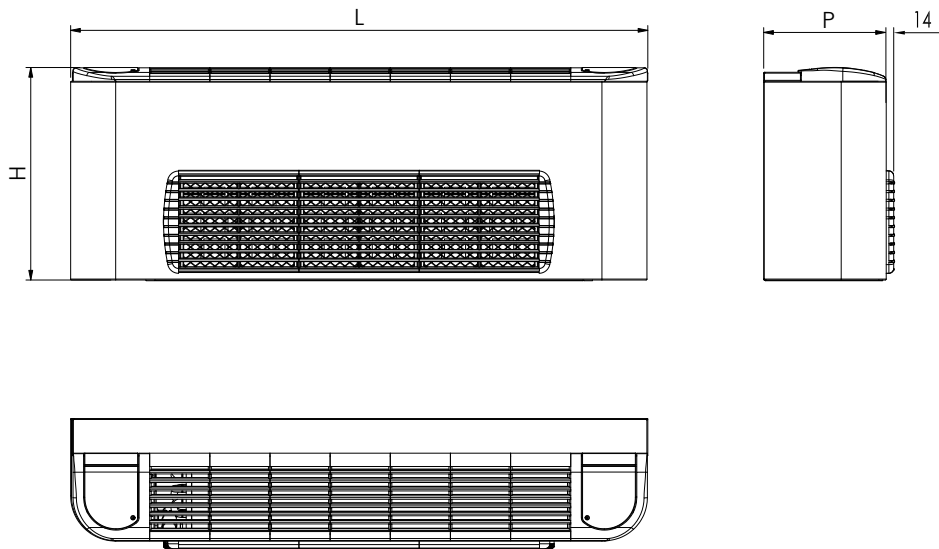


Concealed version
Horizontal installation
Horizontal air supply

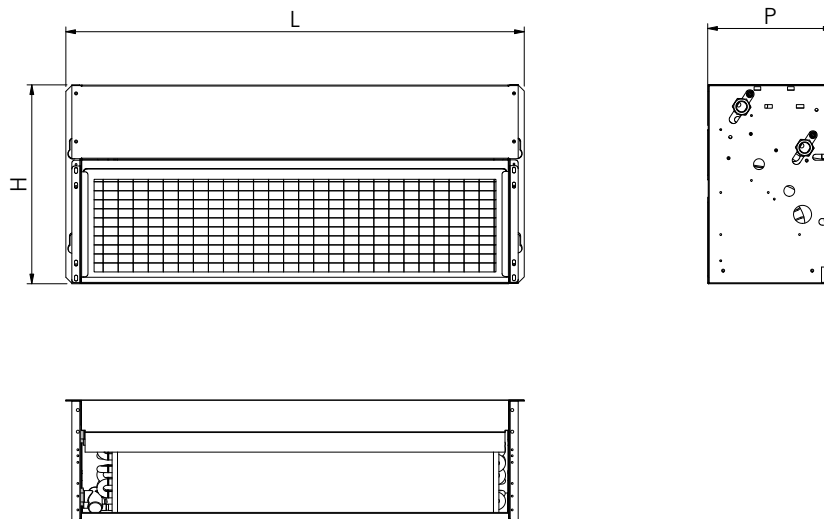
Dimensions

Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			015	025	035	045	055
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	560	760	960	1160	1360
Altezza / Height / Hauteur / Höhe / Altura	H	mm	350	350	350	350	350
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	205	205	205	205	205
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			015	025	035	045	055
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	360	560	760	960	1160
Altezza / Height / Hauteur / Höhe / Altura	H	mm	330	330	330	330	330
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	208	208	208	208	208

Con mobile / With cabinet / Avec carrosserie / Mit Gehäuse / Con mueble









Senza mobile / Without cabinet / Sans carrosserie / Ohne Gehäuse / Sin mueble



Performance technical data

BABYWIND | SPECIAL

2 tubi - pipes - tubes Leiter - tubos			3R scambiatore - coil - batterie Wärmetauscher - batería		015	025	035	045	055
 7/12 °C  27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W	3	708	1556	2374	3344	4445	
		W	2	650	1088	1958	2741	3698	
		W	1	556	805	1583	2079	3059	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W	3	668	1216	1764	2444	3355	
		W	2	570	818	1418	1971	2708	
		W	1	456	585	1123	1459	2189	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	128	275	420	587	780	
		l/h	2	117	192	345	479	646	
		l/h	1	99	142	277	363	535	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	1,4	6	14,6	31,6	20,7	
		kPa	2	1,1	3,2	10,5	22,5	14,7	
		kPa	1	0,9	1,9	7,2	14,1	10,7	
 45/40 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	1230	1860	2520	3390	4650	
		W	2	980	1380	2050	2720	3810	
		W	1	740	990	1640	2020	3110	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	3	214	323	439	590	811	
		l/h	2	170	241	357	473	664	
		l/h	1	128	172	285	352	542	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	3	1,8	5,5	12	24,7	16,6	
		kPa	2	1,3	3,4	8,5	17,1	11,9	
		kPa	1	0,8	1,9	5,9	10,5	8,5	
	 50 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	3	1300	2180	3010	4070	5560
			W	2	1070	1610	2450	3270	4560
			W	1	830	1160	1960	2430	3730
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		l/h	3	128	275	420	587	780	
		l/h	2	117	192	345	479	646	
		l/h	1	99	142	277	363	534	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua		kPa	3	0,8	4,1	10,9	24	15,3	
		kPa	2	0,7	2,3	7,9	17,2	11,2	
		kPa	1	0,5	1,4	5,5	10,9	8,2	
Portata aria Air flow Débit d'air Luftstrom Flujo de aire		m³/h	3	268	337	432	577	834	
		m³/h	2	192	226	327	429	632	
		m³/h	1	131	147	245	294	484	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica	dB(A)	3	57	55	55	58	64		
	dB(A)	2	49	46	47	51	55		
	dB(A)	1	41	37	40	43	48		
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	dB(A)	3	48	46	46	49	55		
	dB(A)	2	40	37	38	42	46		
	dB(A)	1	32	28	31	34	39		

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015/ Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm **EN 16583: 2015** durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

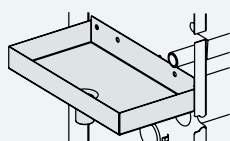


Performance technical data

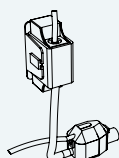
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			015	025	035	045	055
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	W	3	42	44	76	76	95
	W	2	30	32	52	49	72
	W	1	24	25	37	31	61
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	3	0,19	0,20	0,36	0,36	0,44
	A	2	0,14	0,15	0,25	0,23	0,33
	A	1	0,12	0,11	0,18	0,16	0,30
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50Hz				

The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

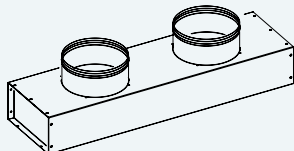
Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



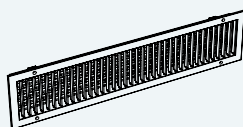
Auxiliary drain pan
for horizontal and vertical unit



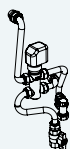
Auxiliary condensate drain pump



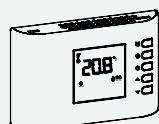
Plenum:
wide range of plenums and telescopic extensions for every installation need. Fully customized plenums can also be made on request.



Grills:
adjustable supply or intake grill in ABS
The grills can also be painted on request with the RAL color of your choice.



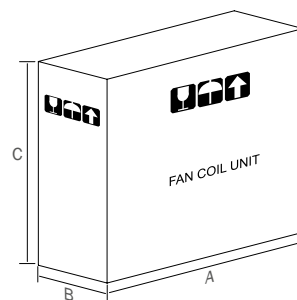
Valves:
wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose.



Control:
wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	palette		
	[mm] (AxBxC)	[kg]	[kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 015	570 x 215 x 510	11,5	12,5	1200 x 800	21	280
MOD. 025	770 x 215 x 510	14	15,4	1200 x 800	17	280
MOD. 035	970 x 215 x 510	19	20,5	1200 x 1000	17	363
MOD. 045	1170 x 215 x 510	21,5	23,3	1200 x 1000	12	295
MOD. 055	1370 x 215 x 510	24,5	26,6	1400 x 950	12	335

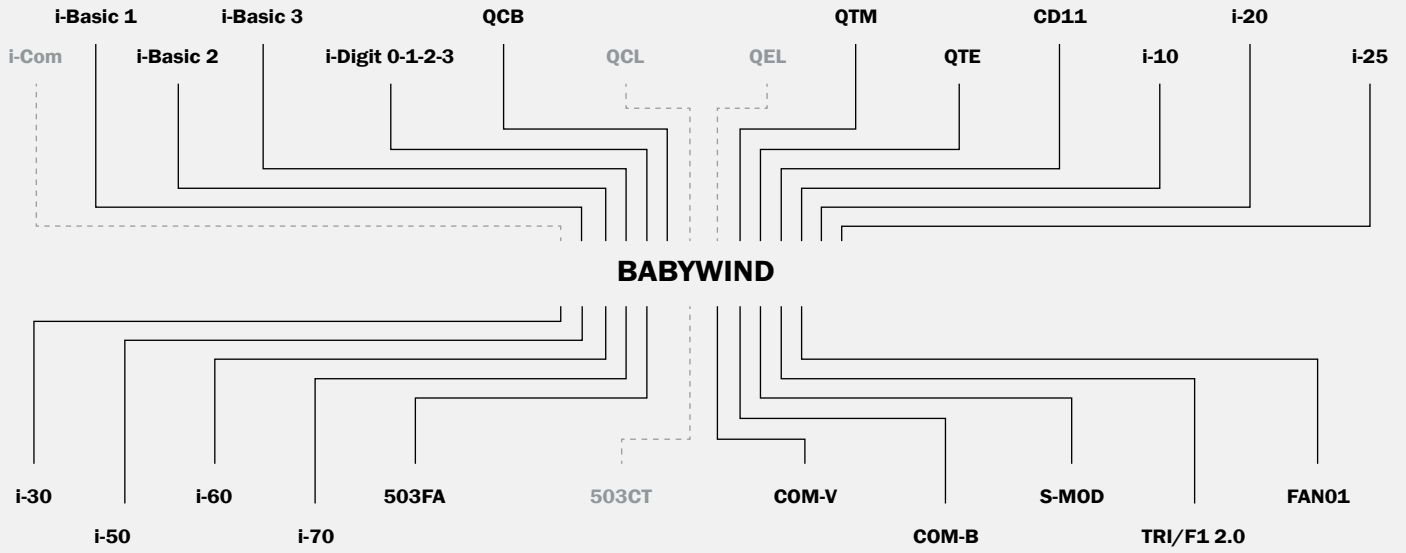


Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeshalter Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls



BABYWIND | SPECIAL

- Compatible
- Compatible
- Compatible
- Kompatibel
- Compatible
- Non compatibile
- Not compatible
- Non compatible
- Nicht kompatibel
- NO compatible

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

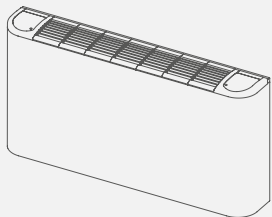
Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

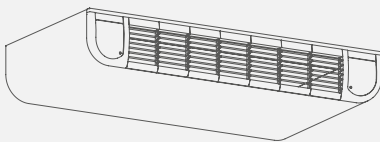
Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

0X0



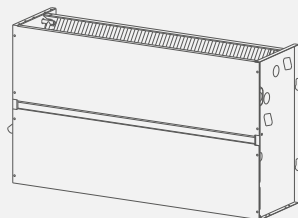
Frontal cabinet version
Vertical installation
Bottom air intake

0X9



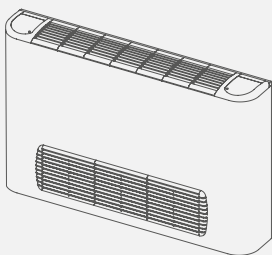
Frontal cabinet version
Horizontal installation
Rear air intake

0X2



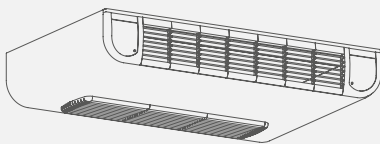
Concealed version
Vertical installation
Vertical air supply

0X8



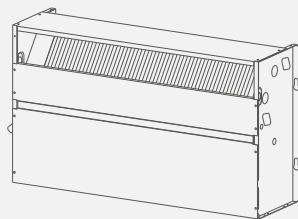
Frontal cabinet version
Vertical installation
Frontal air intake with socle

0X1



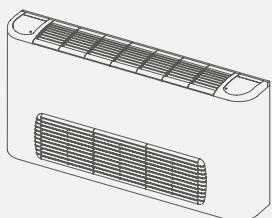
Frontal cabinet version
Horizontal installation
Frontal air intake with socle

0X7



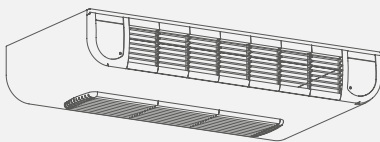
Concealed version
Vertical installation
Frontal air supply

0X5



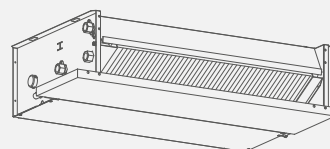
Frontal cabinet version
Vertical installation
Frontal air intake

0X4



Frontal cabinet version
Horizontal installation
Frontal air intake

0X3

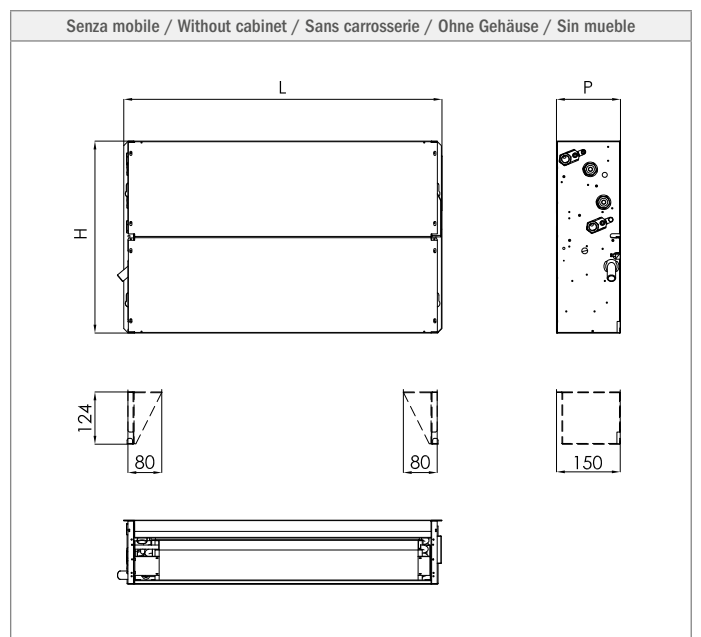
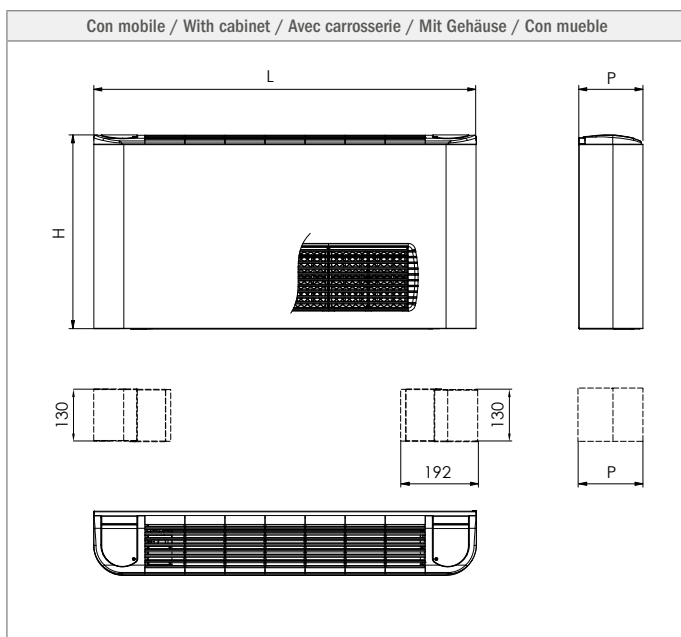


Concealed version
Horizontal installation
Horizontal air supply

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			000	010	020
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	W	6	43	57	67
	W	5	32	44	51
	W	4	27	38	44
	W	3	22	34	38
	W	2	15	24	28
	W	1	12	23	25
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	6	0,2	0,32	0,34
	A	5	0,15	0,23	0,25
	A	4	0,12	0,2	0,21
	A	3	0,1	0,17	0,18
	A	2	0,07	0,13	0,13
	A	1	0,06	0,12	0,12
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50Hz		

Dimensions

Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			000	010	020
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	960	1160	1360
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	157	157	157
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			000	010	020
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	760	960	1160
Altezza / Height / Hauteur / Höhe / Altura	H	mm	460	460	460
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	152	152	152



2 tubi - pipes - tubes Leiter - tubos			3R scambiatore - coil - batterie Wärmetauscher - batería			000	010	020
 7/12°C	Potenza frigorifera totale	W 6	1900	2310	2730			
	Total cooling capacity	W 5	1730	2160	2590			
	Puissance frigorifique totale	W 4	1600	2060	2480			
	Kälteleistung gesamt	W 3	1420	1960	2390			
	Potencia frigorífica total	W 2	1110	1660	2060			
		W 1	940	1560	1930			
	Potenza frigorifera sensibile	W 6	1450	1780	2070			
	Sensible cooling capacity	W 5	1330	1660	1960			
	Puissance frigorifique sensible	W 4	1210	1580	1870			
	Sensible Kälteleistung	W 3	1060	1490	1800			
	Potencia frigorífica total sensible	W 2	830	1250	1550			
		W 1	690	1190	1440			
	Portata acqua	l/h 6	326	396	468			
	Water flow	l/h 5	298	371	445			
	Débit d'eau	l/h 4	274	354	425			
Wassermenge	l/h 3	243	336	410				
Flujo de agua	l/h 2	191	285	353				
	l/h 1	161	268	331				
Perdite di carico lato acqua	kPa 6	17,2	9,6	15,2				
Water pressure drop	kPa 5	14,7	8,5	13,9				
Pertes charge côté eau	kPa 4	12,7	7,9	12,9				
Wasserseitiger Druckverlust	kPa 3	10,3	7,2	12,1				
Caidas de presión lado agua	kPa 2	6,7	5,4	9,2				
	kPa 1	5	4,8	8,3				
 45/40°C	Potenza termica	W 6	2070	2530	2940			
	Heating capacity	W 5	1880	2360	2780			
	Puissance thermique	W 4	1720	2250	2640			
	Heizleistung	W 3	1510	2130	2530			
	Energía térmica	W 2	1160	1750	2130			
		W 1	960	1650	2020			
	Portata acqua	l/h 6	360	442	511			
	Water flow	l/h 5	328	411	484			
	Débit d'eau	l/h 4	300	391	460			
	Wassermenge	l/h 3	263	370	440			
	Flujo de agua	l/h 2	202	305	372			
		l/h 1	167	287	351			
	Perdite di carico lato acqua	kPa 6	16,9	9,6	14,7			
	Water pressure drop	kPa 5	14,4	8,4	13,3			
	Pertes charge côté eau	kPa 4	12,3	7,7	12,2			
Wasserseitiger Druckverlust	kPa 3	9,8	7	11,3				
Caidas de presión lado agua	kPa 2	6,1	5	8,4				
	kPa 1	4,4	4,5	7,6				
 20°C	Potenza ter Potenza termica	W 6	2460	3010	3500			
	Heating capacity	W 5	2240	2810	3310			
	Puissance thermique	W 4	2050	2670	3150			
	Heizleistung	W 3	1800	2530	3020			
	Energía térmica	W 2	1390	2090	2550			
	Heating capacity	W 1	1150	1960	2410			
	Portata acqua	l/h 6	326	396	468			
	Water flow	l/h 5	298	371	445			
	Débit d'eau	l/h 4	274	354	425			
	Wassermenge	l/h 3	243	336	410			
	Flujo de agua	l/h 2	191	285	353			
		l/h 1	161	268	331			
	Perdite di carico lato acqua	kPa 6	14	7,8	12,4			
	Water pressure drop	kPa 5	12	7	11,3			
	Pertes charge côté eau	kPa 4	10,3	6,4	10,5			
Wasserseitiger Druckverlust	kPa 3	8,4	5,9	9,8				
Caidas de presión lado agua	kPa 2	5,5	4,4	7,5				
	kPa 1	4,1	3,9	6,8				
 20°C	Portata aria	m³/h 6	343	416	468			
	Air flow	m³/h 5	306	382	438			
	Débit d'air	m³/h 4	274	357	413			
	Luftstrom	m³/h 3	234	334	394			
	Flujo de aire	m³/h 2	173	268	326			
		m³/h 1	139	249	306			
	Livello di potenza sonora	dB(A) 6	53	53	58			
	Sound power level	dB(A) 5	50	50	56			
	Niveau de puissance sonore	dB(A) 4	47	48	54			
	Schall-Leistungspegel	dB(A) 3	43	47	53			
	Nivel de potencia acústica	dB(A) 2	34	40	48			
		dB(A) 1	28	35	46			
	Livello di pressione sonora	dB(A) 6	45	44	50			
	Sound pressure level	dB(A) 5	42	41	47			
	Niveau de pression sonore	dB(A) 4	39	40	46			
Schall-Druckpegel	dB(A) 3	34	38	45				
Nivel de presión sonora	dB(A) 2	26	32	39				
	dB(A) 1	19	26	38				

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz

- **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz




- **Unità standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50Hz

- **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm **EN 16583: 2015 durchgeführt / Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz

- **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas

Performance technical data

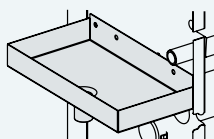
4 tubi - pipes - tubes (2+1)R scambiatore - coil - batterie Leiter - tubos Wärmetauscher - batería			000	010	020
 7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W 6	1410	1910	2290
		W 5	1340	1770	2190
		W 4	1230	1680	2110
		W 3	1130	1560	2080
		W 2	920	1420	1750
		W 1	710	1340	1640
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W 6	1140	1510	1770
		W 5	1080	1390	1700
		W 4	990	1310	1630
		W 3	890	1210	1610
		W 2	720	1100	1340
		W 1	560	1050	1250
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	242	328	392
		l/h 5	229	304	375
		l/h 4	212	288	363
		l/h 3	193	267	357
		l/h 2	157	243	301
		l/h 1	122	230	281
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa 6	6,7	14	22,8	
	kPa 5	6,1	12,3	21,1	
	kPa 4	5,3	11,1	19,8	
	kPa 3	4,5	9,8	19,3	
	kPa 2	3,1	8,3	14,3	
	kPa 1	2	7,5	12,7	
 65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W 6	2200	2350	3210
		W 5	2020	2220	3060
		W 4	1860	2120	2920
		W 3	1660	2030	2810
		W 2	1330	1740	2430
		W 1	1130	1660	2310
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	193	206	281
		l/h 5	177	195	268
		l/h 4	163	186	256
		l/h 3	146	178	246
		l/h 2	117	153	213
		l/h 1	99	145	203
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa 6	11,5	15,9	32,6
		kPa 5	9,9	14,4	29,9
		kPa 4	8,6	13,2	27,6
		kPa 3	7	12,3	25,8
		kPa 2	4,8	9,4	20
		kPa 1	3,6	8,6	18,3
 70/60 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W 6	2490	2660	3620
		W 5	2290	2510	3450
		W 4	2110	2390	3290
		W 3	1880	2290	3170
		W 2	1510	1970	2740
		W 1	1280	1870	2610
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	219	233	318
		l/h 5	201	221	303
		l/h 4	185	210	289
		l/h 3	165	201	279
		l/h 2	132	173	241
		l/h 1	113	164	229
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa 6	14,1	19,4	39,7
		kPa 5	12,2	17,6	36,4
		kPa 4	10,5	16,1	33,6
		kPa 3	8,6	17,9	31,4
		kPa 2	5,8	11,5	24,3
		kPa 1	4,4	10,5	22,3
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	m³/h 6	343	416	468	
	m³/h 5	306	382	438	
	m³/h 4	274	357	413	
	m³/h 3	234	334	394	
	m³/h 2	173	268	326	
	m³/h 1	139	249	306	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica	dB(A) 6	53	53	58	
	dB(A) 5	50	50	56	
	dB(A) 4	47	48	54	
	dB(A) 3	43	47	53	
	dB(A) 2	34	40	48	
	dB(A) 1	28	35	46	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	dB(A) 6	45	44	50	
	dB(A) 5	42	41	47	
	dB(A) 4	39	40	46	
	dB(A) 3	34	38	45	
	dB(A) 2	26	32	39	
	dB(A) 1	19	26	38	

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015/ Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm **EN 16583: 2015 durchgeführt / Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas

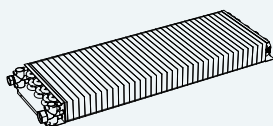
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



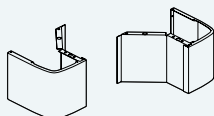
Auxiliary condensate drain pan

for horizontal or vertical units

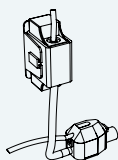


Coils:

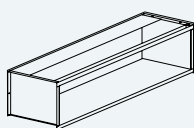
auxiliary 1 row coil for 4 pipe system



Foot for recessed version or with decorative cabinet



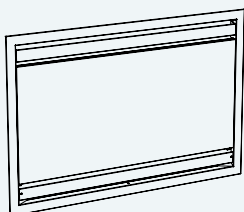
Auxiliary condensate drain pump



Plenum:

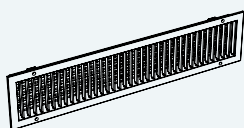
wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement.

Fully customized plenums can also be made on request.



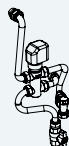
Panels and technical spaces

wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces.



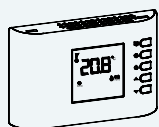
Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.
The grills can also be painted on request with the RAL color of your choice.



Valves:

wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose.



Control:

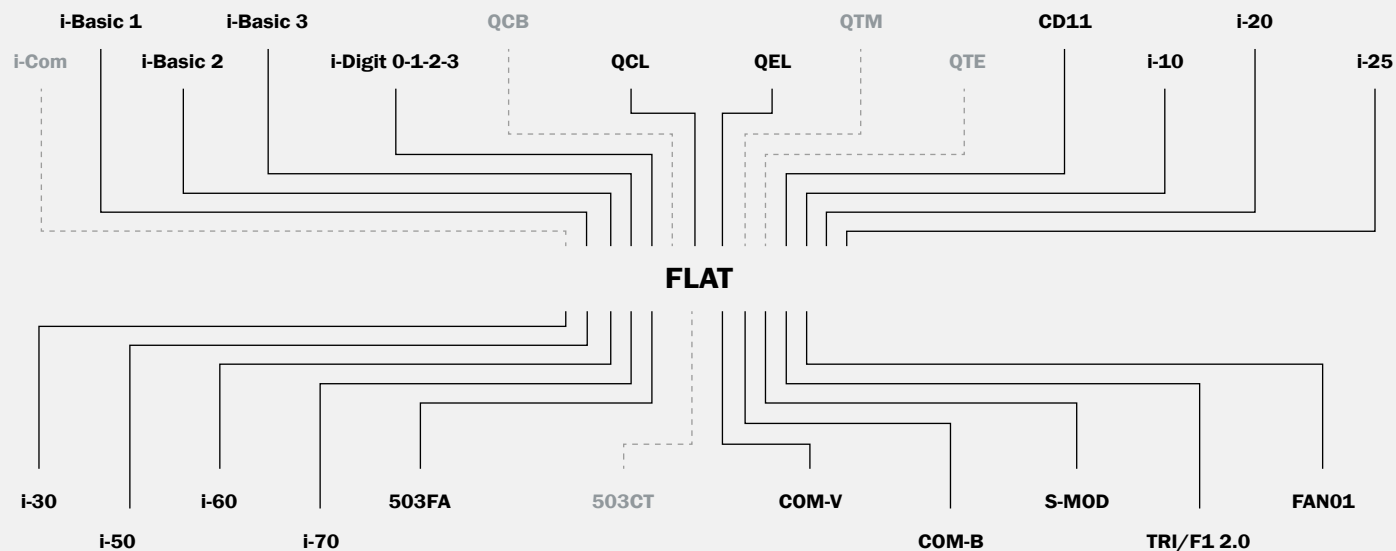
wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basisbediengerät mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls

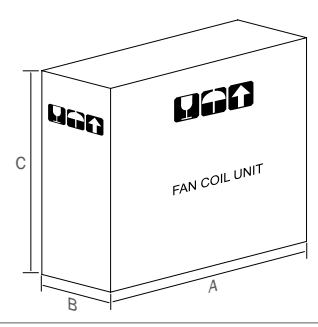


FLAT | SPECIAL

— Compatible
 Compatible
 Compatible
 Kompatibel
 Compatible
 - - - - - Non compatibile
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	palette		
	[mm] (AxBxC)	[kg]	[kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 000	960 x 165 x 485	18	20	1200x800	13	270
MOD. 010	1160 x 165 x 485	21	23	1200x800	13	312
MOD. 020	1360 x 165 x 485	24	26	1400x950	15	408



COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

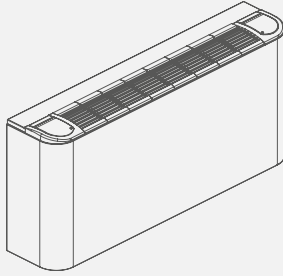
[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

☰ Versions

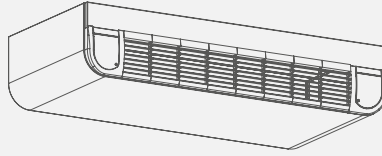
LIVE | SPECIAL

X00



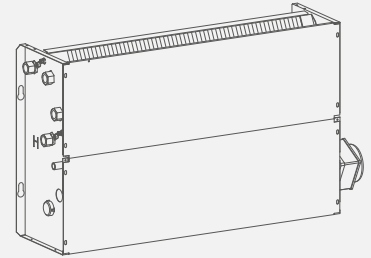
Frontal cabinet version
Vertical installation
Bottom air intake

X09



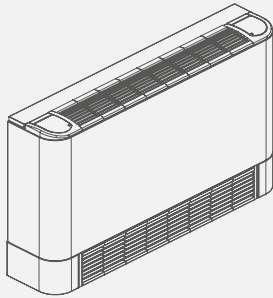
Frontal cabinet version
Horizontal installation
Rear air intake

X02



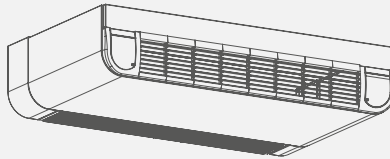
Concealed version
Vertical installation
Vertical air supply

X08



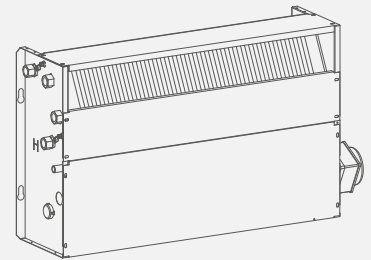
Frontal cabinet version
Vertical installation
Frontal air intake with socle

X01



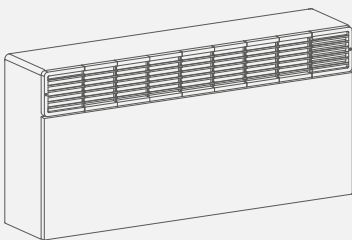
Frontal cabinet version
Horizontal installation
Frontal air intake with socle

X07



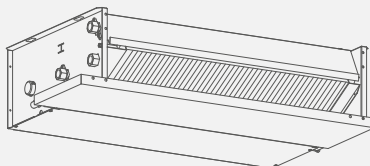
Concealed version
Vertical installation
Frontal air supply

X06



Frontal cabinet version
Vertical installation
Frontal air supply

X03



Concealed version
Horizontal installation
Horizontal air supply

Performance technical data

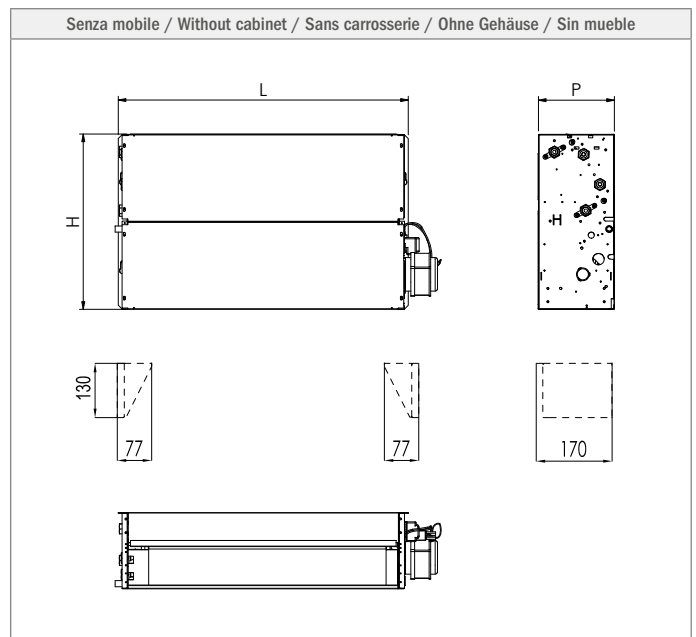
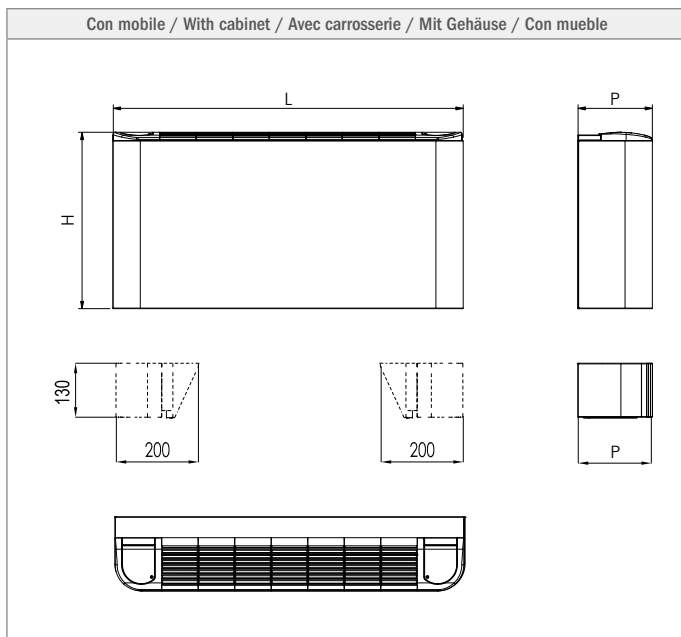
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			100	200	300	400	600
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	W	6	33	45	62	56	66
	W	5	28	32	51	47	58
	W	4	21	24	37	39	48
	W	3	18	18	27	31	38
	W	2	15	15	19	25	31
	W	1	12	11	15	21	23
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	6	0,16	0,22	0,30	0,27	0,32
	A	5	0,14	0,15	0,25	0,23	0,28
	A	4	0,10	0,12	0,18	0,19	0,23
	A	3	0,09	0,09	0,13	0,15	0,18
	A	2	0,07	0,07	0,09	0,12	0,15
	A	1	0,06	0,05	0,07	0,10	0,11
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50Hz				

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas

LIVE | SPECIAL








Dimensions

Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			100	200	300	400	600
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	760	760	960	1160	1360
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480	480	480
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	205	205	205	205	205
Senza mobile / Without cabinet Sans carrosserie / Ohne Gehäuse / Sin mueble			100	200	300	400	600
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	640	640	840	1040	1240
Altezza / Height / Hauteur / Höhe / Altura	H	mm	460	460	460	460	460
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	202	202	202	202	202






Performance technical data

LIVE | SPECIAL

2 tubi - pipes - tubes Leiter - tubos			3R scambiatore - coil - batterie Wärmetauscher - batería			100	200	300	400	600
 7/12°C  27°C d.b. 19°C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W	6	910	1880	2670	3950	5100		
		W	5	870	1700	2530	3530	4800		
		W	4	810	1470	2220	3120	4130		
		W	3	740	1250	1890	2650	3470		
		W	2	680	1130	1520	2280	2280		
		W	1	600	870	1250	1860	1980		
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W	6	820	1500	2100	3090	3900		
		W	5	770	1340	1990	2730	3600		
		W	4	700	1140	1730	2390	3100		
		W	3	620	980	1480	2000	2570		
		W	2	540	890	1190	1690	1610		
		W	1	460	670	970	1380	1380		
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	6	156	323	458	677	875		
		l/h	5	149	292	434	606	824		
		l/h	4	139	252	381	536	709		
l/h		3	127	215	324	455	596			
l/h		2	116	194	260	391	392			
l/h		1	102	149	215	319	340			
Perdite di carico lato acqua Water pressure drop	kPa	6	2,5	9,9	9,5	15,8	35,1			
	kPa	5	2,3	8,2	7,4	13,2	31,2			
	kPa	4	2,0	6,0	5,4	10,6	23,2			
	kPa	3	1,7	4,4	3,9	7,6	16,3			
	kPa	2	1,4	3,6	2,7	6,0	7,2			
	kPa	1	1,1	2,2	2,3	4,3	5,5			
 45/40°C  20°C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	6	1340	2120	2790	4240	5430		
		W	5	1220	1760	2600	3740	4650		
		W	4	1110	1500	2290	3290	3980		
		W	3	980	1320	1990	2770	3300		
		W	2	840	1110	1670	2390	2880		
		W	1	690	940	1370	1960	2150		
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	6	233	369	485	739	946		
		l/h	5	213	306	453	652	810		
		l/h	4	193	262	400	572	694		
		l/h	3	170	229	346	483	575		
		l/h	2	146	194	291	416	503		
		l/h	1	121	164	239	341	375		
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	6	5,0	11,9	8,5	15,8	37,8		
		kPa	5	4,2	8,3	7,5	12,9	27,9		
		kPa	4	3,5	6,0	5,5	10,1	20,6		
kPa		3	2,7	4,5	4,1	7,1	14,1			
kPa		2	2,0	3,3	3,0	5,6	10,9			
kPa		1	1,4	2,4	1,8	4,1	6,1			
 50°C  20°C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	W	6	1500	2500	3320	5050	6460		
		W	5	1380	2100	3110	4460	5600		
		W	4	1260	1800	2740	3920	4800		
		W	3	1120	1570	2370	3310	3980		
		W	2	970	1340	1990	2850	3360		
		W	1	810	1120	1630	2340	2560		
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h	6	156	323	458	677	875		
		l/h	5	149	292	434	606	824		
		l/h	4	139	252	381	536	709		
		l/h	3	127	215	324	455	596		
		l/h	2	116	194	260	391	392		
		l/h	1	102	149	215	319	340		
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa	6	2,4	9,1	7,6	13,5	32,4		
		kPa	5	2,2	7,5	6,9	11,2	28,8		
		kPa	4	1,9	5,5	5,0	8,9	21,4		
kPa		3	1,6	4,0	3,6	6,4	15,1			
kPa		2	1,3	3,3	2,5	5,0	6,7			
kPa		1	1,1	2,0	1,5	3,6	5,0			
	Portata aria Air flow Débit d'air Luftstrom Flujo de aire	m³/h	6	287	357	509	729	967		
		m³/h	5	255	310	473	621	872		
		m³/h	4	220	258	400	525	707		
		m³/h	3	185	215	332	422	555		
		m³/h	2	149	194	265	348	428		
		m³/h	1	125	138	210	275	325		
	Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica	dB(A)	6	51	56	58	59	58		
		dB(A)	5	48	53	56	55	57		
		dB(A)	4	43	49	55	52	51		
		dB(A)	3	39	44	50	48	47		
		dB(A)	2	34	43	48	45	44		
		dB(A)	1	30	37	43	42	40		
	Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	dB(A)	6	42	47	49	50	50		
		dB(A)	5	39	45	47	46	48		
		dB(A)	4	34	41	46	43	43		
dB(A)		3	30	35	42	39	38			
dB(A)		2	26	34	39	37	35			
dB(A)		1	22	28	34	33	31			

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schallleistungspegels wurde gemäß der Norm **EN 16583: 2015 durchgeführt / Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

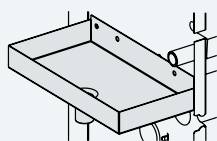
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas

4 tubi - pipes - tubes (3+1)R scambiatore - coil - batterie Leiter - tubos (3+1)R Wärmetauscher - batería			100	200	300	400	600
 7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	W 6	1080	1810	2690	3490	4900
		W 5	920	1630	2400	3110	4230
		W 4	870	1400	2110	2750	3660
		W 3	800	1190	1780	2300	3070
		W 2	730	1060	1590	2000	2240
		W 1	620	830	1280	1630	1950
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	W 6	890	1430	2150	2680	3700
		W 5	830	1290	1920	2360	3500
		W 4	750	1090	1670	2090	2990
		W 3	670	940	1390	1740	2240
		W 2	580	840	1280	1480	1480
		W 1	500	640	990	1200	1350
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	185	311	462	599	841
		l/h 5	158	280	412	534	726
		l/h 4	149	240	362	472	628
		l/h 3	137	204	306	395	527
		l/h 2	125	182	273	343	385
		l/h 1	106	143	219	280	335
Perdite di carico lato acqua Water pressure drop	kPa 6	2,8	9,9	7,1	12,6	33,3	
	kPa 5	2,2	8,1	6,9	10,4	25,0	
	kPa 4	2,0	5,5	5,0	8,3	19,3	
	kPa 3	1,8	4,3	3,6	6,2	14,1	
	kPa 2	1,5	3,5	2,9	4,9	7,6	
	kPa 1	1,2	2,2	2,0	3,5	5,8	
 65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energia térmica	W 6	1660	1850	2900	3440	4670
		W 5	1560	1700	2790	3140	4410
		W 4	1420	1520	2530	2840	3910
		W 3	1290	1370	2260	2500	3390
		W 2	1120	1280	2070	2230	2920
		W 1	940	1010	1700	1890	2390
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	146	162	255	302	410
		l/h 5	137	149	244	275	387
		l/h 4	124	134	222	249	343
		l/h 3	113	120	198	219	298
		l/h 2	98	112	181	196	256
		l/h 1	83	89	149	166	210
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa 6	5,5	7,3	20,9	36,2	47,3
		kPa 5	4,0	6,3	19,4	30,7	42,9
		kPa 4	3,4	4,8	16,3	25,8	34,6
		kPa 3	3,0	4,0	13,4	20,4	26,8
		kPa 2	2,4	4,0	11,4	16,7	20,9
		kPa 1	1,8	2,6	8,0	12,5	14,9
 70/60 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energia térmica	W 6	1890	2100	3290	3890	5280
		W 5	1770	1930	3150	3550	4980
		W 4	1610	1730	2860	3210	4420
		W 3	1460	1550	2560	2820	3830
		W 2	1270	1450	2340	2520	3300
		W 1	1070	1150	1920	2140	2700
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	l/h 6	166	184	289	342	464
		l/h 5	156	170	277	312	438
		l/h 4	141	152	251	282	388
		l/h 3	128	136	225	248	336
		l/h 2	112	127	206	221	290
		l/h 1	94	101	169	188	237
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	kPa 6	6,8	9,1	25,7	44,5	56,7
		kPa 5	4,9	7,8	23,8	37,8	51,4
		kPa 4	4,1	5,9	20,0	31,7	41,5
		kPa 3	3,7	5,0	16,4	25,1	32,1
		kPa 2	2,9	4,9	14,0	20,5	25,0
		kPa 1	2,2	3,3	9,8	15,3	17,8
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	m³/h 6	273	339	484	693	920	
	m³/h 5	242	294	450	590	828	
	m³/h 4	209	245	380	498	673	
	m³/h 3	176	204	315	400	528	
	m³/h 2	142	183	270	330	407	
	m³/h 1	119	131	200	261	313	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica	dB(A) 6	51	56	59	57	59	
	dB(A) 5	50	54	58	54	57	
	dB(A) 4	46	50	55	51	51	
	dB(A) 3	43	47	51	48	47	
	dB(A) 2	32	44	47	44	44	
	dB(A) 1	27	36	44	41	39	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	dB(A) 6	43	48	50	49	50	
	dB(A) 5	42	45	49	45	48	
	dB(A) 4	38	42	46	42	43	
	dB(A) 3	34	38	42	39	39	
	dB(A) 2	23	36	38	36	35	
	dB(A) 1	19	27	35	32	30	

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015/ Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz
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 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schallleistungspegels wurde gemäß der Norm **EN 16583: 2015** durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

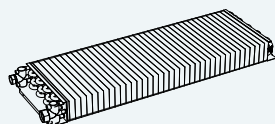
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



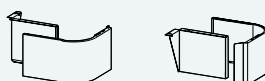
Auxiliary condensate drain pan:

for horizontal or vertical units

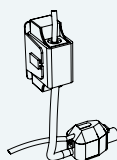


Coils:

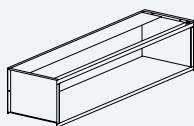
auxiliary 4 rows coil for 2 pipe system,
auxiliary 1 row coil for 4 pipe system



Foot for recessed version or with decorative cabinet



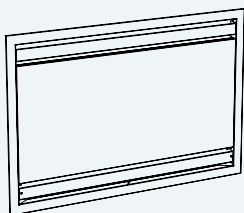
Auxiliary condensate drain pump



Plenum:

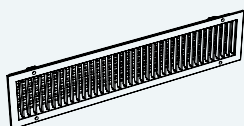
wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement.

Fully customized plenums can also be made on request.



Panels and technical spaces:

wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces.
Also available the back cover panel for installation on shop window.



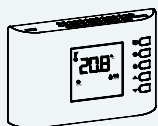
Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.
The grills can also be painted on request with the RAL color of your choice.



Valves:

wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose.



Control:

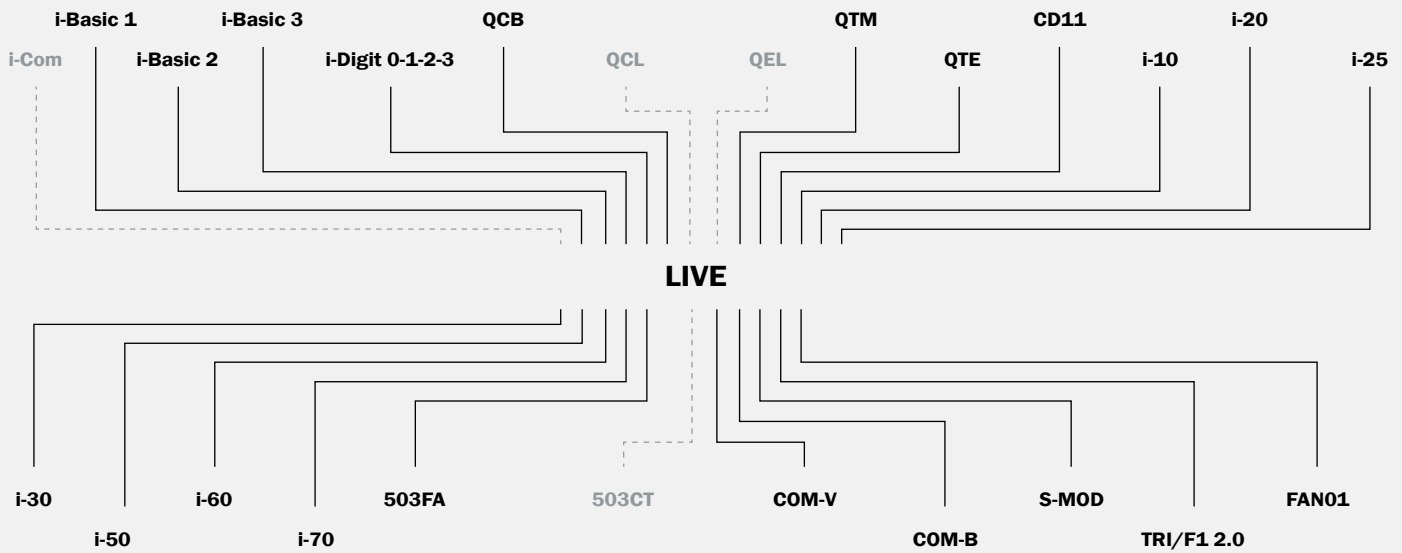
wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basisbediengerät mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls

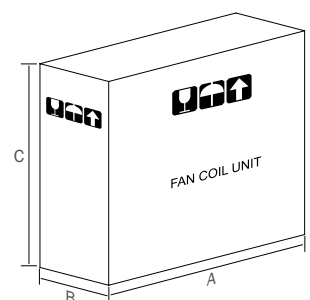


LIVE | SPECIAL

——— Compatible
 Compatible
 Compatible
 Kompatibel
 Compatible
 - - - - - Non compatibile
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	palette		
	[mm] (AxBxC)	[kg]	[kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 100	770 x 215 x 510	16	18	1200 x 800	17	316
MOD. 200	770 x 215 x 510	17	18	1200 x 800	17	330
MOD. 300	970 x 215 x 510	20	22	1200 x 1000	17	384
MOD. 400	1170 x 215 x 510	25	26	1200 x 1000	13	360
MOD. 600	1370 x 215 x 510	26	28	1400 x 950	13	387



COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

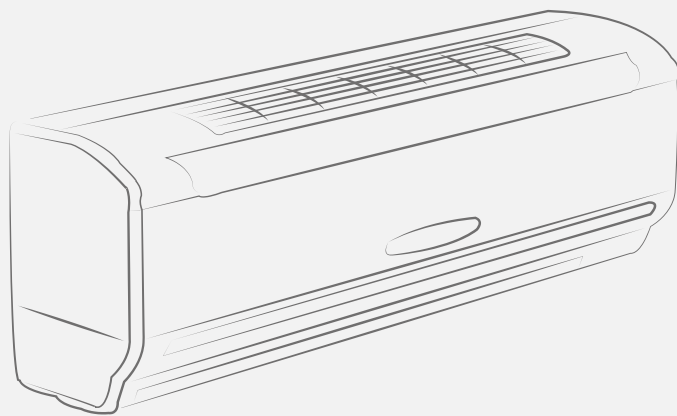
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

FEEL


Wall mounted fan coil unit





A GROUP S.p.A (Trademark EDEN) participates in the ECP programme for FCU. Check ongoing validity of certificate: www.eurovent-certification.com

Reliability and performance, first

FEEL

 **1.5 ÷ 3.9** kW
cooling

 **1.6 ÷ 4.1** kW
heating

 **234 - 620** m³/h
air flow



Construction features



Quality and design:

equipped with a tangential fan to offer the greatest acoustic comfort, the series is the perfect combination of performance and design. Thanks to the range consisting of 4 sizes it is possible to uniformly cover a wide range of powers from 1.5 kW to 3.9 kW in cooling and from 1.6 kW to 4.1 kW in heating.



Tangential fan:

designed for high air flow rates at low rpm, the tangential fan ensures greater silence with high performance.



Coils:

in copper tube with aluminum fins equipped with a specific hydrophilic treatment that allows the drops of condensation to slide quickly towards the collection basin optimizing the crossing of the air flow and guaranteeing a greater resistance of aluminum to corrosion. The air vent valve, which drains directly into the condensate drain pan is easily accessible. The heat exchange coil is not suitable for use in corrosive atmospheres.



Display:

integrated in the cover cabinet, it displays the set-up of the unit: room temperature, fan speed and operating mode (available for RC versions only).



Automatic swing:

with a simple click of the remote control it will be possible to have a complete adjustment of the air flow according to your needs, in order to guarantee maximum comfort for the environment (available for RC versions only).



Integrated valve:

thanks to the integrated 3-way valve (for NV / RC-V versions only), it is possible to efficiently prevent energy waste, since the water flow is interrupted when the unit is switched off, unlike the normal splits on which the flow even when the unit is not in operation.

This solution also ensures high ease of installation and maintenance and does not require the use of special niches since everything is perfectly integrated into the unit.



Acoustic comfort:

the design with construction geometries, optimized according to the different working speeds, allows to guarantee high performance with maximum noiseless functioning especially when the **Sleep mode** is activated (available for RC versions only).

Reliability and performance, first

A clean and sophisticated design, modern forms and cutting-edge technology. The perfect solution for installation in commercial, residential and tertiary sectors, where comfort, noiselessness and enhancement of environment are the main requirements to be satisfied.

Versions	
FEEL RC-V	with infrared remote control and with 3 way valve included
FEEL NC-V	foreseen for remote control (not included), and with 3 way valve included
FEEL RC	with infrared remote control, without valve
FEEL NC	foreseen for remote control (not included), without valve

FEEL



Timer real time

It is possible to program within 24 hours starting and shutting down the unit completely automatically even in your absence, in order to find the right environmental comfort upon your arrival. (available for RC versions only)



Sleep mode

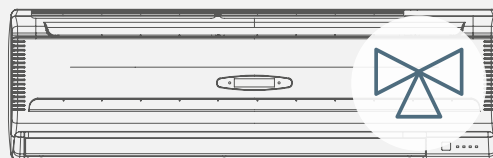
It allows a complete relax during sleep. By activating this function, the unit sets automatically temperature and fan speed to ensure the maximum comfort, noiselessness and low cost. (available for RC versions only)

RC-V



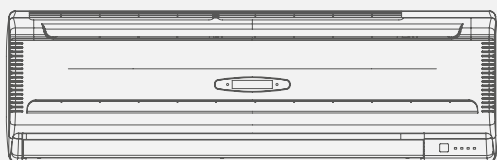
Wall mounted fan coil unit
with infrared remote control IR-T
and with 3 way valve included

NC-V



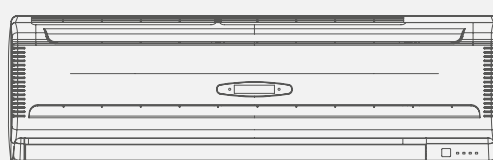
Wall mounted fan coil unit
foreseen for remote control
and with 3 way valve included

RC

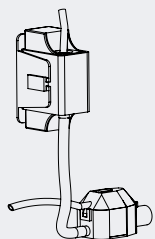


Wall mounted fan coil unit
with infrared remote control IR-T
(without 3 way valve included)

NC

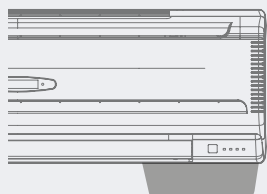


Wall mounted fan coil unit
foreseen for remote control
(without 3 way valve included)



Auxiliary condensate drain pump

for installation on recessed wall box.



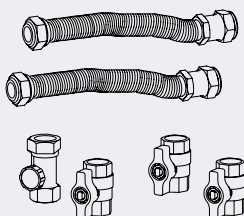
Auxiliary condensate drain pump

for exposed installation.



Pre-installation box










recessed wall, in ABS, equipped with condensate fitting on side



Interception kit

Pair of stainless steel flexible pipes, shut off valves, balancing valves

FEEL

				1	2	3	4
 7/12 °C  27 °C d.b. 19 °C w.b.	Potenza frigorifera totale (E)	W	3	1931	2351	3292	3949
	Total cooling capacity (E)	W	2	1704	2073	2918	3595
	Puissance frigorifique totale (E)	W	1	1525	1805	2385	2885
	Kälteleistung gesamt (E)	W	3	1520	1871	2632	3079
	Potencia frigorífica total (E)	W	2	1330	1613	2278	2805
	Potenza frigorifera sensibile (E)	W	1	1170	1385	1855	2225
	Sensible cooling capacity (E)	l/h	3	337	409	573	687
	Puissance frigorifique sensible (E)	l/h	2	297	360	508	625
	Sensible Kälteleistung (E)	l/h	1	266	314	415	501
	Potencia frigorífica total sensible (E)	kPa	3	15,9	22,9	17,4	21,6
	Portata acqua (E)	kPa	2	12,5	18,3	13,3	17,8
	Water flow (E)	kPa	1	10,0	14,3	11,4	11,8
Débit d'eau (E)	W	3	2030	2490	3710	4110	
Wassermenge (E)	W	2	1760	2180	3200	3720	
Flujo de agua (E)	W	1	1570	1910	2510	3240	
 45/40 °C  20 °C	Perdite di carico lato acqua (E)	l/h	3	353	434	646	716
	Water pressure drop (E)	l/h	2	307	380	557	648
	Pertes charge côté eau (E)	l/h	1	273	332	438	565
	Wasserseitiger Druckverlust (E)	kPa	3	16,5	23,1	21,7	21,5
	Caidas de presión lado agua (E)	kPa	2	12,4	18,3	16,5	17,1
	Potenza termica (E)	kPa	1	9,8	14,6	9,2	13,4
	Heating capacity (E)	W	3	2420	2970	4390	4920
	Puissance thermique (E)	W	2	2110	2610	3800	4450
	Heizleistung (E)	W	1	1880	2280	3000	3860
	Energía térmica (E)	l/h	3	336	409	573	687
	Portata acqua (E)	l/h	2	297	360	508	625
	Water flow (E)	l/h	1	266	314	415	501
Débit d'eau (E)	kPa	3	15,0	20,5	17,3	19,8	
Wassermenge (E)	kPa	2	11,6	16,4	13,8	15,9	
Flujo de agua (E)	kPa	1	9,3	13,0	8,3	10,6	
 50 °C  20 °C	Perdite di carico lato acqua (E)	W	3	4090	5030	7480	8280
	Water pressure drop (E)	W	2	3560	4400	6450	7500
	Pertes charge côté eau (E)	W	1	3170	3850	5070	6540
	Wasserseitiger Druckverlust (E)	l/h	3	360	442	657	727
	Caidas de presión lado agua (E)	l/h	2	313	386	566	659
	Potenza termica (E)	l/h	1	278	338	445	574
	Heating capacity (E)	kPa	3	16,1	22,4	21,1	21,2
	Puissance thermique (E)	kPa	2	12,2	17,7	16,0	16,9
	Heizleistung (E)	kPa	1	9,6	14,1	8,8	13,1
	Energía térmica (E)	m³/h	3	344	417	553	620
	Portata aria (E)	m³/h	2	282	333	476	544
	Air flow (E)	m³/h	1	234	273	375	426
Débit d'air (E)	dB(A)	3	53	54	54	56	
Luftstrom (E)	dB(A)	2	50	50	50	52	
Flujo de aire (E)	dB(A)	1	47	45	43	45	
 70/60 °C  20 °C	Livello di potenza sonora (E)	dB(A)	3	44	45	45	47
	Sound power level (E)	dB(A)	2	41	41	41	43
	Niveau de puissance sonore (E)	dB(A)	1	38	36	34	36
	Schall-Leistungspegel (E)						
Nivel de potencia acústica (E)							
 20 °C	Livello di pressione sonora						
	Sound pressure level						
	Niveau de pression sonore						
Schall-Druckpegel							
Nivel de presión sonora							

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015/ Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50Hz

- **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50Hz

- **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50Hz

- **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50Hz

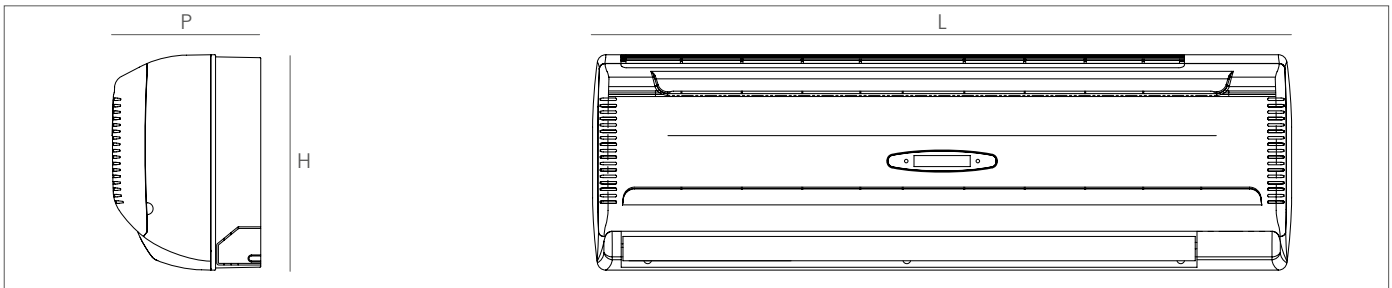
- **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

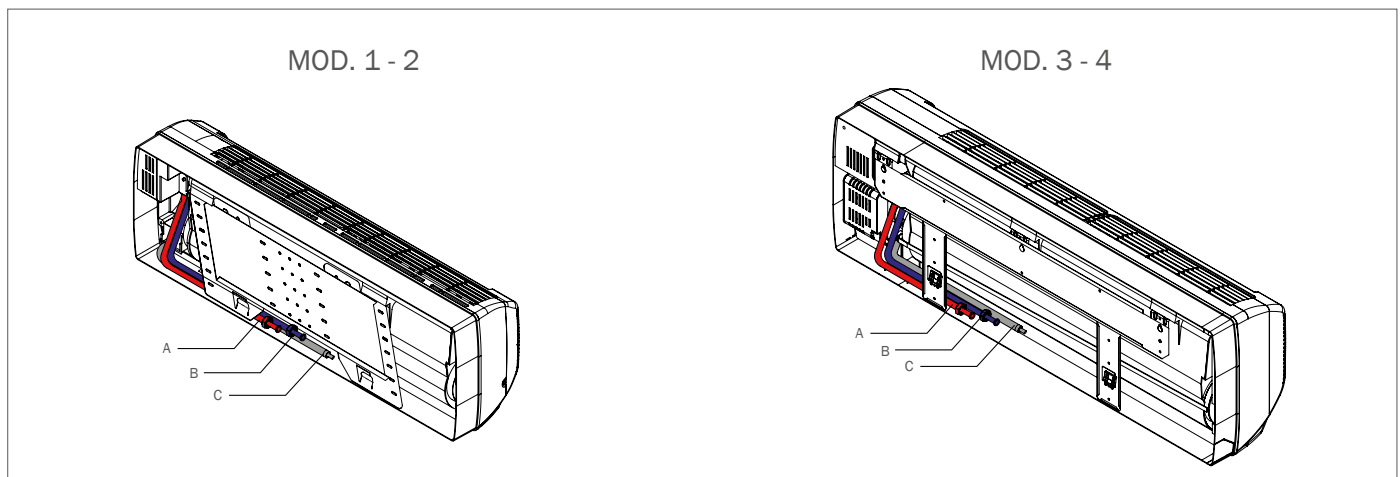
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			1	2	3	4
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E) W	3	29	29	48	51
	(E) W	2	26	27	42	45
	(E) W	1	25	25	35	35
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	3	0,13	0,13	0,26	0,3
	A	2	0,12	0,12	0,22	0,24
	A	1	0,11	0,11	0,17	0,18
Contenuto d'acqua Water content Quantité d'eau Wasserinhalt Contenidos de agua	L		0,81	0,85	1,24	1,85
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50Hz			

Dimensions

Unità - Unit - Unité - Gerät - Unidad			1	2	3	4
Lunghezza / Length / Longueur / Länge / Longitud	mm	L	880	990	1170	1170
Altezza / Height / Hauteur / Höhe / Altura	mm	H	298	305	360	360
Profondità / Depth / Profondeur / Tiefe / Profundidad	mm	P	205	210	220	220



Hydraulic connections and condensate drain



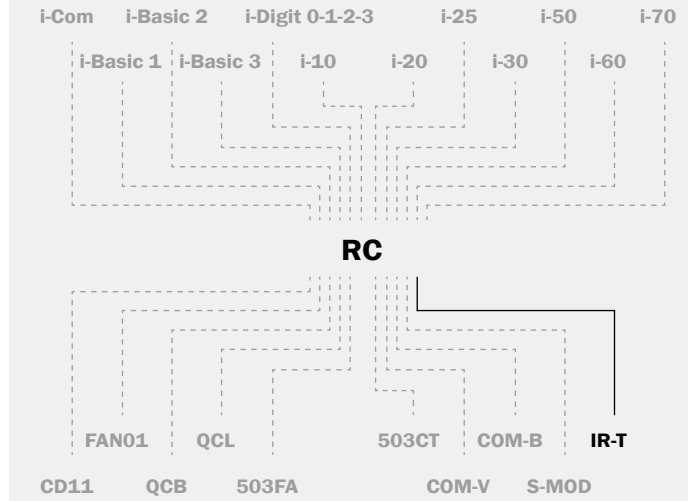
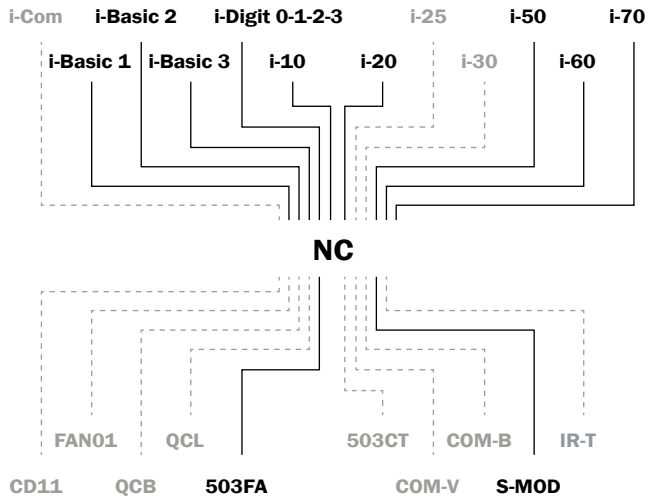
Ritorno / Return / Retour / Rücklauf / Retorno	Ø 1/2"
Mandata / Supply / Départ / Vorlauf / Envío	Ø 1/2"
Scarico condensa / Condensate drain / Evacuation des condensats / Kondensatablauf / Descarga condensación	Ø 16.5 mm

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basisbediengerät mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls



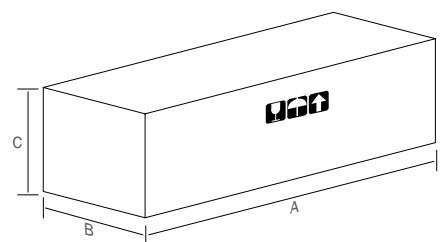
————— Compatibile
 Compatible
 Compatible
 Kompatibel
 Compatible

- - - - - Non compatibile
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

FEEL

Weights and packaging

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	palette		
	[mm] (AxBxC)	[kg]	[kg]	[mm] L x P	[n.] unità - units	[kg] tot.
MOD. 1	940 x 380 x 260	11	12	1200 x 1000	18	230
MOD. 2	1050 x 380 x 260	11,8	13	1200 x 800	12	170
MOD. 3	1290 x 460 x 320	15,5	18,5	1300 x 900	10	200
MOD. 4	1290 x 460 x 320	17,5	20,5	1300 x 900	10	220



COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

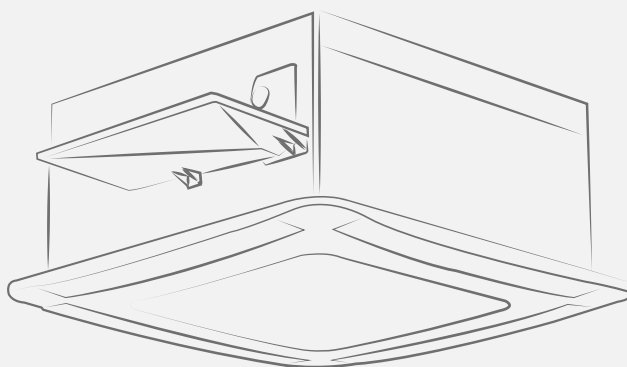
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

SOFT SOFT-ECM


Cassette fan coil unit




A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Pure innovation and performance

 **1.6 ÷ 10.9** kW
cooling

 **1.6 ÷ 11.3** kW
heating

 **50%**
energy saving up to 50%

 **225 - 1536** m³/h
air flow

SOFT | SOFT ECM





SOFT | SOFT ECM



Minimal design:

characterized by shapes and geometries appropriately designed to guarantee a perfect combination of high performance, low sound emissions and unique environmental comfort thanks to the true Coanda effect.



Maximum level of silence:

the series is at the top of the range also on the subject of low noise emissions, which ensure the user that particular condition of psychophysical well-being made possible thanks to the meticulous research and development process.



Construction features:

frame made of Z200 hot-dip galvanized steel sheet 1 ÷ 1.5 mm thick, externally finished with anti-condensation barrier and internally insulated with closed-cell insulation Euroclass B-s2, d0 (EN13501-1) 10mm thick. Main condensate drain basin made of high density EPS, auxiliary basin in molded ABS.



Adjustable louvers:

in order to guarantee perfect climate comfort control both in cooling and heating mode, the front panel in the ABS version is available in three different configurations, including the versions with motorized louvers or manual louvers.



Fan section:

consisting of a radial fan appropriately developed to optimize performance and reduce turbulence, to the benefit of efficiency and low noise. Electric motor suspended on asynchronous single-phase vibration dampers ~230V / 1ph / 50Hz with overload protection, 6 rotation speeds, 3 of which are connected.

The ECM version is instead equipped with an innovative Brushless motor, which guarantees precise and modular control of the air flow, limiting the energy supply to the actual workload required, without any waste.



Condensate evacuation pump:

centrifugal type, with a useful head of 650 mm complete with non-return valve and managed by a dedicated electronic board to which a float system is combined for the control of the condensate level and alarm signaling.



Filter:

renewable filter with galvanized steel frame and polypropylene filter fabric with efficiency class G1 * / EU1 **. Alternatively, a wide range of filters with greater efficiencies are available, including G3 * / EU3 ** and G4 * / EU4 ** or the innovative electronic filter that allows complete air purification and at the same time ensures high efficiencies thanks to the minimum pressure losses. (* according to EN779 / ** according to Eurovent)



Integrated valves and resistance:

available as an accessory also valves and electric resistances that can be integrated directly inside the unit, avoiding unnecessary heat loss, significant reduction in installation times and greater operating reliability.



Easy installation and maintenance:

remarkable ease of installation and maintenance thanks to the *EasyWaySystem* which allows quick access to all the main components that require ordinary or extraordinary interventions, without having to remove the front intake panel.

Innovation and performance, at the top of the range

Innovative cassette fan coil unit characterized by a modern and minimalist design and a perfect combination of high performance, low noise emissions and a marked ease of installation and maintenance thanks to the *EasyWaySystem*.

Available in 8 sizes for 2-pipe system and in 10 sizes for 4-pipe system, also available with 2 or 3-way valves and armored electric heater (1250 ÷ 2500W) that can be integrated directly into the unit, for the total benefit of the greater operational efficiency and safety and a clear reduction in installation times.

The wide range of configurations, controls and accessories supplied ensure the right solution for every installation need. All units can be supplied in the configuration with motherboard (RC) or without motherboard (NC) and are available in the following versions:

Versions	
SOFT	with asynchronous motor
SOFT-ECM	with ECM motor
SOFT-E	with asynchronous motor and integrated electric heater
SOFT-ECM-E	with ECM motor and integrated electric heater



The picture refers to the unit configured with integrated valves (optional)

☰ Front panel versions

600 x 600

ABS
(white RAL 9016)

- NC** manual louvers
- RC-M** receiver + manual louvers
- RC-A** receiver + motorized louvers



METAL
(white RAL 9016)

- NC** without louvers
- RC** receiver, without louvers



900 x 900

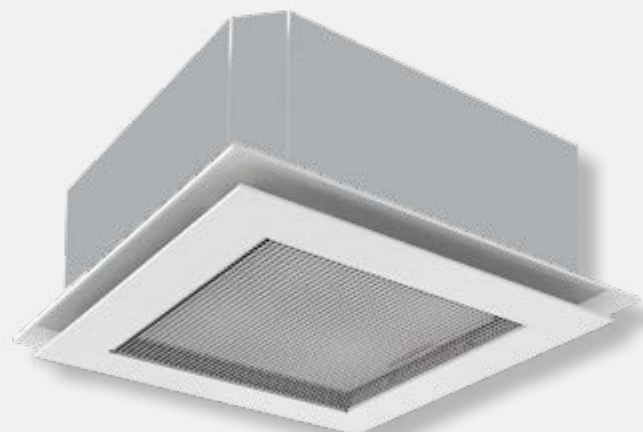
ABS
(white RAL 9016)

- NC** manual louvers
- RC-M** receiver + manual louvers
- RC-A** receiver + motorized louvers



METAL
(white RAL 9016)

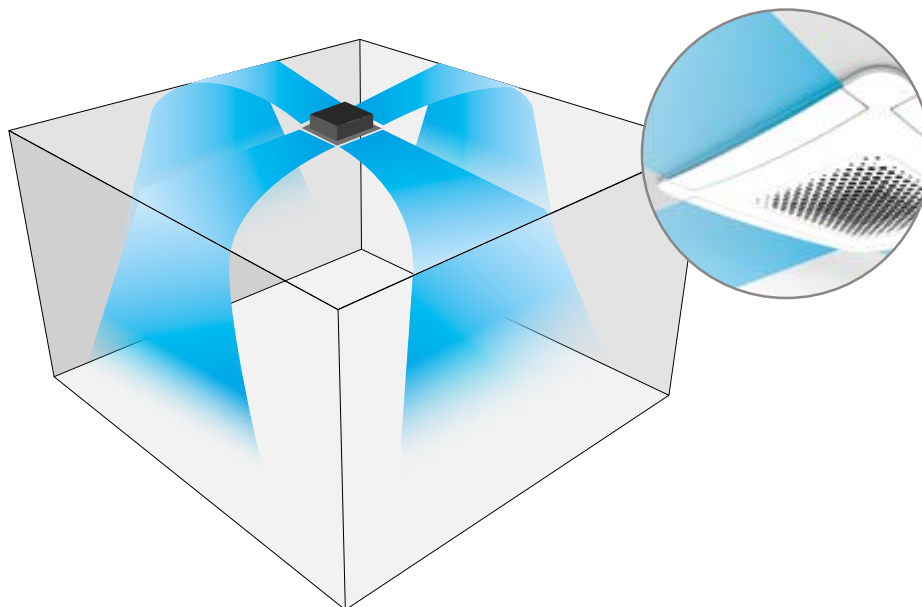
- NC** without louvers
- RC** receiver, without louvers





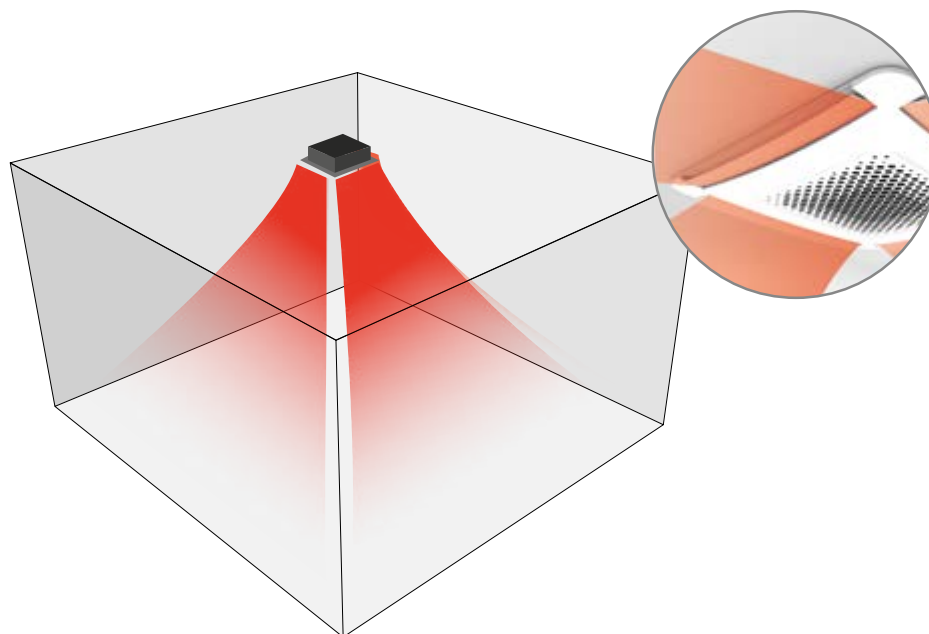
COANDA EFFECT







The position of the lateral flaps, available in the ABS panel, allows maximum exploitation of the Coanda effect in summer modality, offering ideal comfort without any annoying typical cold air flow. Thanks to this detail the cold air tends to flow towards the ceiling distributing itself in a regular, gradual way inside the room, guaranteeing ideal climatic comfort without the unpleasant thermal phenomena caused by direct cold air.



ANTI-STRATIFICATION EFFECT

In heating modality, the flaps are positioned automatically (automatically for the RC-A version, manually for the RC-M / NC versions) with an opening of 35°, allowing the warm air to create a downward flow, ensuring the homogenous distribution of the room temperature and avoiding the problems linked to air stratification.



				600x600					900x900				
2 tubi - pipes - tubes Leiter - tubos				61	62	63	64	65	71	72	73		
 7/12 °C  27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W	3	2223	2667	4247	4975	5381	6128	8520	10865	
			W	2	1835	2433	3047	3648	4655	4950	5950	8790	
			W	1	1556	1944	2144	2697	3967	4152	4810	5336	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W	3	1843	2027	3107	3695	3991	4558	6400	7965	
			W	2	1485	1813	2177	2628	3355	3580	4339	6210	
			W	1	1236	1424	1494	1907	2797	2982	3457	3716	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h	3	390	465	739	867	939	1064	1478	1888	
			l/h	2	321	424	530	635	812	858	1030	1523	
			l/h	1	271	338	372	468	691	719	832	923	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	20,0	16,0	24,0	24,0	30	31,5	33,5	53,0	
			kPa	2	14,0	14,0	18,0	18,0	24	21,5	13,5	36,0	
			kPa	1	11,0	10,0	11,0	16,0	18	16,5	8,5	12,5	
 45/40 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W	3	2340	2620	4080	4910	5420	6400	8610	11280	
			W	2	1920	2370	2930	3440	4930	5000	5970	8660	
			W	1	1590	1910	2090	2580	4090	4210	4590	5030	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h	3	408	456	711	855	943	1115	1500	1964	
			l/h	2	335	413	510	600	860	871	1039	1508	
			l/h	1	276	333	364	449	712	734	800	876	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	20,9	15,5	18,5	22,8	29,6	33,2	25,0	49,9	
			kPa	2	14,2	12,5	16,2	18,0	25,7	22,9	10,8	30,7	
			kPa	1	10,5	8,9	9,7	15,3	19,2	15,9	7,9	10,1	
	 50 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W	3	2800	3150	4910	5900	6500	7650	9367	13500
				W	2	2300	2850	3522	4150	5900	6000	6482	10400
				W	1	1900	2300	2510	3100	4900	5050	5002	6050
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		(E)	l/h	3	390	465	739	867	939	1064	1478	1888	
			l/h	2	321	424	530	635	812	858	1030	1523	
			l/h	1	271	338	372	468	691	719	832	923	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua		(E)	kPa	3	19,0	16,0	19,0	23,1	29	22,0	29,0	46,0	
			kPa	2	13,0	13,0	17,0	19,8	23	16,0	12,5	31,0	
			kPa	1	10,0	9,0	10,0	16,5	18	11,0	10,0	11,0	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica		(E)	dB(A)	3	46	44	52	60	62	47	53	62	
			dB(A)	2	39	41	44	49	59	39	40	54	
			dB(A)	1	33	34	34	39	53	32	34	39	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	(E)	dB(A)	3	37	35	43	51	53	38	44	53		
		dB(A)	2	30	32	35	40	50	30	31	45		
		dB(A)	1	24	25	25	30	44	23	25	30		
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h	3	367	398	550	660	760	1023	1270	1536		
		m³/h	2	295	355	398	468	660	763	858	1175		
		m³/h	1	225	269	269	328	550	623	662	669		

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm **EN 16583: 2015** durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

				600x600						900x900				
4 tubi - pipes - tubes Leiter - tubos				81	82	83	83C	84	84C	91	92	93	94	
7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W 3	2303	2707	3337	3827	3825	4395	6125	7100	8665	9965	
			W 2	1905	2373	2507	2957	3048	3408	4847	5139	6560	7510	
			W 1	1606	1864	1884	1974	2367	2627	4011	4257	4456	5056	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W 3	1873	1977	2547	2857	2975	3345	4505	5340	6635	7515	
			W 2	1505	1713	1867	2157	2308	2518	3497	3749	4880	5520	
			W 1	1226	1344	1364	1404	1747	1897	2851	3047	3186	3596	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 3	403	472	584	668	669	767	1064	1236	1511	1734	
			l/h 2	333	414	438	515	532	594	841	893	1142	1304	
			l/h 1	280	324	328	343	412	456	695	738	772	876	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 3	18,0	14,0	17,0	32,3	21,0	28,0	20,5	29,6	38,0	34,0	
			kPa 2	15,0	12,0	14,0	27,9	17,0	22,0	13,5	18,0	24,5	21,0	
			kPa 1	10,0	10,0	10,0	22,0	12,0	17,0	9,5	11,5	14,0	14,0	
65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 3	2690	3070	3900	2890	4380	3250	7940	9270	11030	8420	
			W 2	2300	2680	3070	2340	3510	2610	6180	7060	8380	6500	
			W 1	1780	2150	2150	1680	2760	2100	5130	5570	6010	4400	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 3	236	269	342	254	384	285	697	812	967	739	
			l/h 2	201	235	269	206	307	229	542	619	735	570	
			l/h 1	156	187	189	147	242	184	449	488	527	386	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 3	12,2	20,4	42,7	18,1	41,0	21,2	19,5	27,2	35,2	17,8	
			kPa 2	11,3	16,5	35,3	14,9	35,4	18,8	13,2	16,9	23,9	12,1	
			kPa 1	8,8	12,2	21,1	11,0	22,5	13,3	9,1	11,6	13,2	6,4	
	70/60 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 3	3050	3500	4450	3300	5000	3710	9000	10500	12500	9600
				W 2	2600	3050	3500	2670	4000	2980	7000	8000	9500	7400
				W 1	2010	2450	2450	1910	3150	2390	5800	6300	6800	5000
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		(E)	l/h 3	268	307	391	290	439	326	791	922	1098	843	
			l/h 2	228	268	307	235	351	262	615	703	835	650	
			l/h 1	177	215	215	168	277	210	510	554	598	439	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua		(E)	kPa 3	15,0	15,0	53,4	23,0	52,6	27,0	23,5	33,0	42,5	22,0	
			kPa 2	14,0	12,0	44,5	19,0	45,6	24,0	16,0	20,5	29,0	15,0	
			kPa 1	11,0	9,0	26,7	14,0	28,9	17,0	11,0	14,0	16,0	8,0	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica		(E)	dB(A) 3	46	47	52	52	58	58	51	53	59	59	
			dB(A) 2	39	41	44	44	49	51	39	40	49	49	
			dB(A) 1	33	37	34	37	39	44	37	34	35	35	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	(E)	dB(A) 3	37	38	43	43	49	49	42	44	50	50		
		dB(A) 2	30	32	35	35	40	42	30	31	40	40		
		dB(A) 1	24	28	25	28	30	35	28	25	26	26		
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h 3	367	398	550	550	660	660	1023	1270	1536	1536		
		m³/h 2	295	355	398	398	468	468	763	858	1175	1175		
		m³/h 1	224	269	269	269	328	328	623	662	669	669		

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015 / Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm **EN 16583: 2015** durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

			600x600										900x900							
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			61	62	63	64	65	81	82	83	83C	84	84C	71	72	73	91	92	93	94
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 3	47	43	63	75	89	47	43	63	63	75	75	72	100	135	75	100	135	135
		W 2	35	37	43	52	75	35	37	43	43	52	52	50	61	90	53	61	90	90
		W 1	24	26	26	33	63	24	26	26	26	33	33	38	43	44	39	43	44	44
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	3	0,22	0,19	0,28	0,33	0,39	0,22	0,19	0,28	0,28	0,33	0,33	0,73	0,61	0,53	0,75	0,61	0,51	0,51
		2	0,16	0,16	0,19	0,23	0,33	0,16	0,16	0,19	0,19	0,23	0,23	0,56	0,46	0,43	0,57	0,47	0,44	0,44
		1	0,11	0,11	0,11	0,15	0,28	0,11	0,11	0,11	0,11	0,15	0,15	0,46	0,39	0,37	0,43	0,40	0,37	0,37
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz																	

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

			600x600										900x900							
Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			61	62	63	64	65	81	82	83	83C	84	84C	71	72	73	91	92	93	94
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 3	12	11	25	52	69	12	12	25	29	38	44	55	57	99	24	40	98	90
		W 2	7	9	11	22	43	9	9	9	13	16	21	30	18	44	12	14	30	29
		W 1	6	6	7	10	27	6	5	6	7	9	10	22	11	11	8	9	10	11
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	3	0,16	0,14	0,29	0,48	0,62	0,16	0,16	0,28	0,31	0,36	0,42	0,47	0,52	0,78	0,25	0,39	0,78	0,73
		2	0,09	0,11	0,15	0,26	0,41	0,09	0,11	0,14	0,18	0,21	0,25	0,26	0,20	0,42	0,14	0,16	0,31	0,30
		1	0,07	0,07	0,07	0,13	0,30	0,07	0,08	0,07	0,07	0,10	0,13	0,19	0,13	0,13	0,10	0,11	0,12	0,12
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)	V	3	9,0	7,6	8,6	9,5	9,5	9,0	8,9	8,3	9,3	8,5	9,6	7,7	9,6	8,4	8,9	8,0	8,4	8,1
		2	4,4	5,6	4,3	5,1	5,5	4,8	5,9	4,0	5,5	4,3	5,4	4,6	4,8	5,6	5,3	3,9	4,4	4,3
		1	1,5	2,0	1,4	1,9	1,6	1,8	1,8	1,4	1,5	1,3	2,1	3,1	3,0	1,7	3,4	2,2	1,3	1,4
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz																	

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

SOFT | SOFT ECM

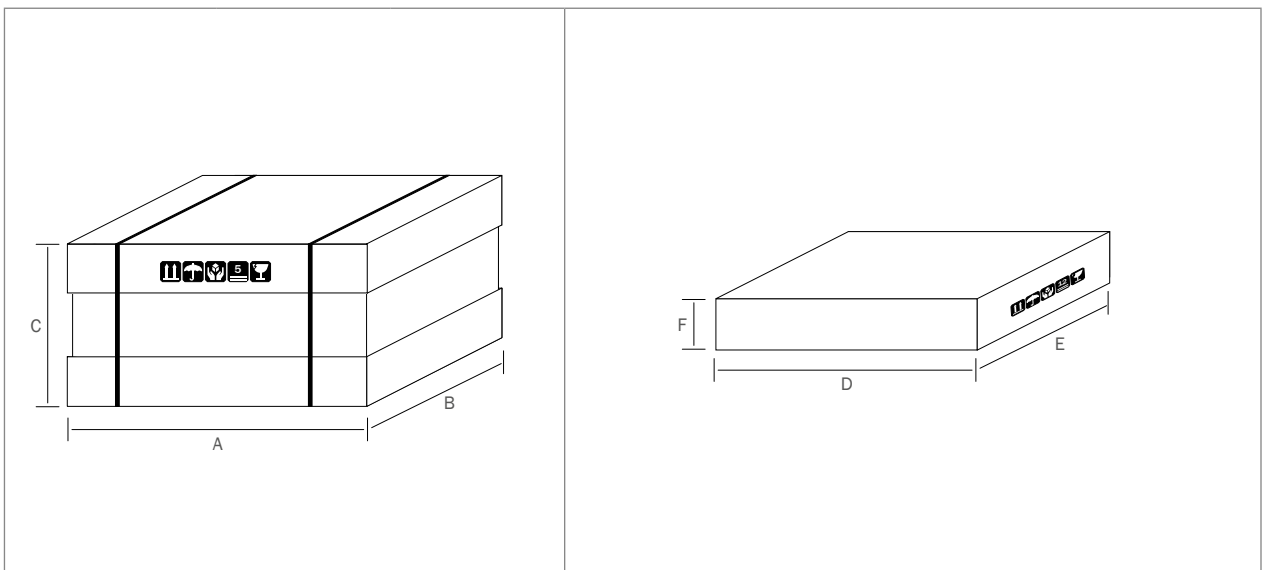
Electric heater

			600x600										900x900							
SOFT-E SOFT-ECM-E			61	62	63	64	65	81	82	83	83C	84	84C	71	72	73	91	92	93	94
Potenza elettrica resa Heating power output Puissance électrique Heizleistung geliefert Energía eléctrica entregada	W		1250	1250	2500	2500	2500	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
			230	230	230	230	230	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tensione di alimentazione Heating power output Puissance électrique Heizleistung geliefert Energía eléctrica entregada			n.d.																	

n.d. = Non disponibile / Unavailable / Non disponible / Nicht verfügbar / Indisponible

Weights and packaging

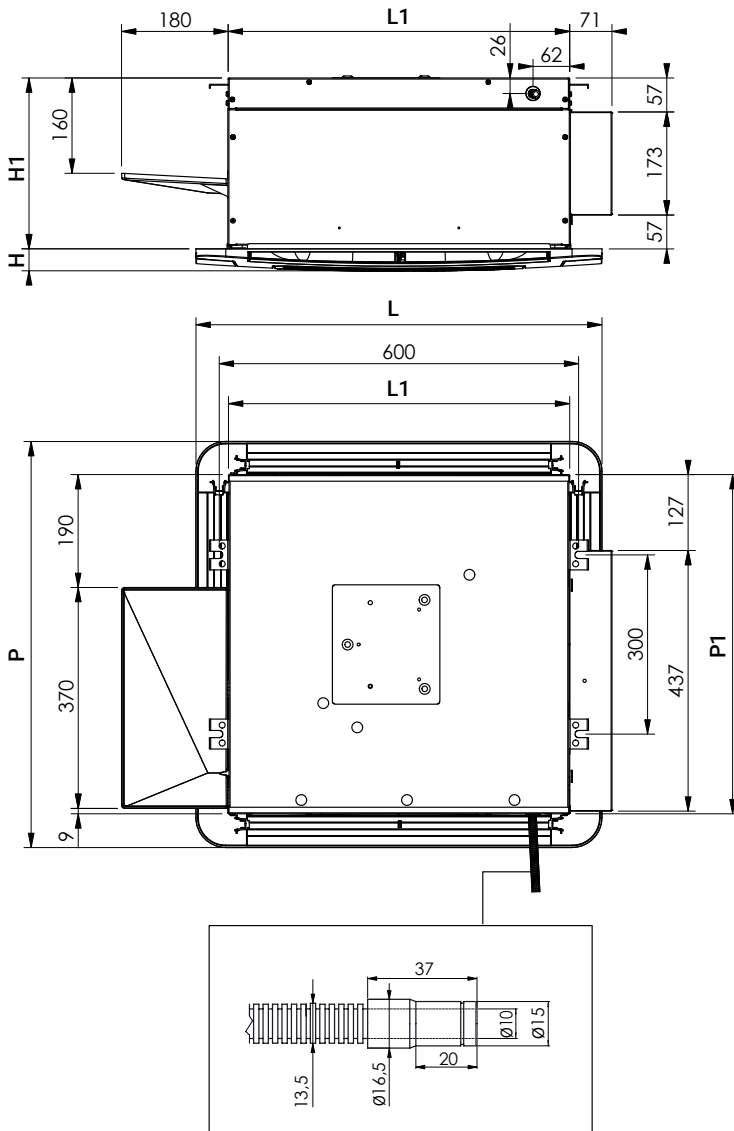
	UNITÀ UNIT			PANNELLO ABS ABS PANEL			PANNELLO METALLO METAL PANEL	
	dimensioni dimension	peso netto net weight	peso lordo gross weight	dimensioni dimension	peso netto net weight	peso lordo gross weight	peso netto net weight	peso lordo gross weight
	[mm] (AxBxC)	[kg]	[kg]	[mm] (DxExF)	[kg]	[kg]	[kg]	[kg]
MOD. 61	790 x 760 x 335	20	22	730 x 730 x 115	3	4	7,5	9
MOD. 62	790 x 760 x 335	21	23	730 x 730 x 115	3	4	7,5	9
MOD. 63	790 x 760 x 335	23	25	730 x 730 x 115	3	4	7,5	9
MOD. 64	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 65	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 81	790 x 760 x 335	23	25	730 x 730 x 115	3	4	7,5	9
MOD. 82	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 83	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 83C	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 84	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 84C	790 x 760 x 335	24	26	730 x 730 x 115	3	4	7,5	9
MOD. 71	1050 x 1005 x 380	40	43	965 x 970 x 115	5,5	7,5	13	15
MOD. 72	1050 x 1005 x 380	45	48	965 x 970 x 115	5,5	7,5	13	15
MOD. 73	1050 x 1005 x 380	45	48	965 x 970 x 115	5,5	7,5	13	15
MOD. 91	1050 x 1005 x 380	41	44	965 x 970 x 115	5,5	7,5	13	15
MOD. 92	1050 x 1005 x 380	46	49	965 x 970 x 115	5,5	7,5	13	15
MOD. 93	1050 x 1005 x 380	46	49	965 x 970 x 115	5,5	7,5	13	15
MOD. 94	1050 x 1005 x 380	46	49	965 x 970 x 115	5,5	7,5	13	15



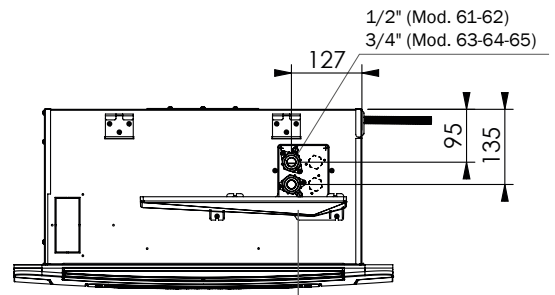
Dimensions (600x600)

600x600

Unità / Unit / Unité / Gerät / Unidad			61	62	63	64	65	81	82	83	83C	84	84C
Lunghezza / Length / Longueur / Länge / Longitud	L1	mm	572	572	572	572	572	572	572	572	572	572	572
Altezza / Height / Hauteur / Höhe / Altura	H1	mm	285	285	285	285	285	285	285	285	285	285	285
Profondità / Depth / Profondeur / Tiefe / Profundidad	P1	mm	575	575	575	575	575	575	575	575	575	575	575
Pannello / Panel / Panneau / Paneel / Panel			61	62	63	64	65	81	82	83	83C	84	84C
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	680	680	680	680	680	680	680	680	680	680	680
Altezza / Height / Hauteur / Höhe / Altura	H	mm	40	40	40	40	40	40	40	40	40	40	40
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	680	680	680	680	680	680	680	680	680	680	680

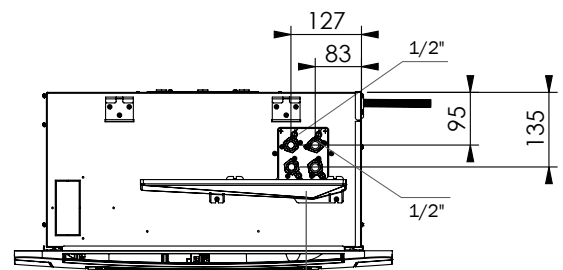


Impianto a 2 tubi
2 pipe system
Installation à 2 tubes
2-Leiter-System
Sistema de 2 tubos



Bacinella ausiliaria
Auxiliary drain pan
Bac recueillant l'eau de condensation
Zusätzliche Kondensatwanne
Bandeja auxiliar

Impianto a 4 tubi
4 pipe system
Installation à 4 tubes
4-Leiter-System
Sistema de 4 tubos



Bacinella ausiliaria
Auxiliary drain pan
Bac recueillant l'eau de condensation
Zusätzliche Kondensatwanne
Bandeja auxiliar

Dimensions (900x900)

			900x900						
Unità / Unit / Unité / Gerät / Unidad			71	72	73	91	92	93	94
Lunghezza / Lenght / Longueur / Länge / Longitud	L1	mm	818	818	818	818	818	818	818
Altezza / Height / Hauteur / Höhe / Altura	H1	mm	326	326	326	326	326	326	326
Profondità / Depth / Profondeur / Tiefe / Profundidad	P1	mm	818	818	818	818	818	818	818
Pannello / Panel / Panneau / Paneel / Panel			71	72	73	91	92	93	94
Lunghezza / Lenght / Longueur / Länge / Longitud	L	mm	930	930	930	930	930	930	930
Altezza / Height / Hauteur / Höhe / Altura	H	mm	57	57	57	57	57	57	57
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	930	930	930	930	930	930	930

Impianto a 2 tubi
2 pipe system
Installation à 2 tubes
2-Leiter-System
Sistema de 2 tubos

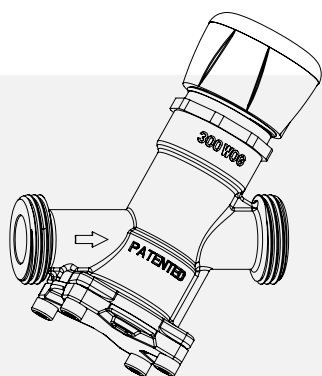
Bacinella ausiliaria
Auxiliary drain pan
Bac recueillant l'eau de condensation
Zusätzlichen Kondensatwanne
Bandeja auxiliar

Impianto a 4 tubi
4 pipe system
Installation à 4 tubes
4-Leiter-System
Sistema de 4 tubos

Bacinella ausiliaria
Auxiliary drain pan
Bac recueillant l'eau de condensation
Zusätzlichen Kondensatwanne
Bandeja auxiliar

SOFT | SOFT ECM

Independent balancing valve



This type of valve combines two functions in a single valve, keeps the flow rate constant as the system pressure changes and at the same time regulates the flow according to the temperature, allowing perfect balancing of the hydraulic system, ensuring for each fan coil unit the desired water flow even under partial loads.

The adjustment can be performed automatically through the installation of a linear ON / OFF or modulating actuator.

Main advantages:

- Simplified selection
- Easy installation
- High valve authority which remains constant
- Constant flow rate as the differential pressure changes
- Optimized installation by measuring the set pressure
- Energy efficiency thanks to the low differential pressure required
- Maintenance of the set water flow even at partial loads
- Optimization of pump speed using pressure taps (optional)
- Preset locked by hooking

Valve performance technical data

Warning: this type of valve is available exclusively for outside installation of the unit.

2 tubi - pipes - tubes Leiter - tubos			600x600				
			61	62	63	64	65
	DN		DN 15	DN 15	DN 20	DN 20	DN 20
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	3/4"	1"	1"	1"
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,030-0,150	0,062-0,311	0,062-0,311	0,062-0,311
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,075	0,094	0,103	0,130	0,192
	l/s	max	0,108	0,129	0,205	0,241	0,261

4 tubi - pipes - tubes Leiter - tubos			600x600				
			81	82	83	83C	84
	DN		DN 15	DN 15	DN 20	DN 20	DN 20
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	3/4"	1"	1"	1"
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,030-0,150	0,062-0,311	0,062-0,311	0,062-0,311
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,078	0,090	0,091	0,095	0,114
	l/s	max	0,112	0,131	0,162	0,190	0,186

4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			600x600				
			81	82	83	83C	84
	DN		DN 15	DN 15	DN 15	DN 15	DN 15
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	3/4"	3/4"	3/4"	3/4"
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,030-0,150	0,030-0,150	0,030-0,150	0,030-0,150
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,043	0,052	0,053	0,041	0,067
	l/s	max	0,074	0,085	0,109	0,081	0,122

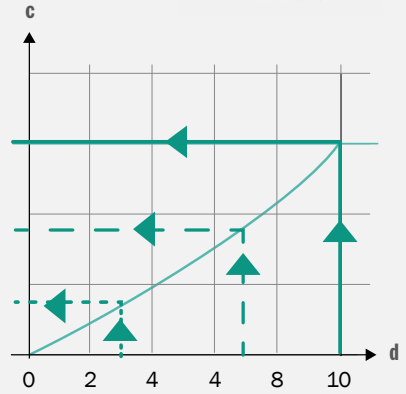
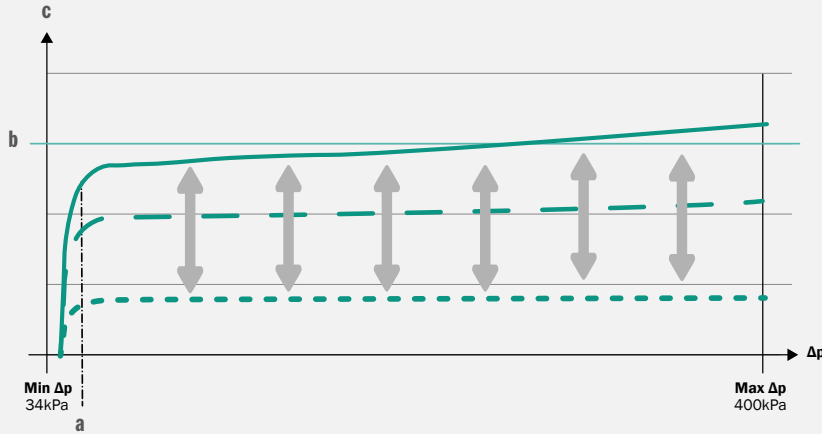
2 tubi - pipes - tubes Leiter - tubos			900x900		
			71	72	73
	DN		DN 20	DN 25	DN 25
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		1"	1"1/4	1"1/4
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,062-0,311	0,12-0,6	0,12-0,6
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,200	0,256	0,256
	l/s	max	0,296	0,456	0,524

4 tubi - pipes - tubes Leiter - tubos			900x900			
			91	92	93	94
	DN		DN 20	DN 25	DN 25	DN 25
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		1"	1"1/4	1"1/4	1"1/4
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,062-0,311	0,12-0,6	0,12-0,6	0,12-0,6
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,193	0,205	0,214	0,243
	l/s	max	0,296	0,343	0,420	0,482

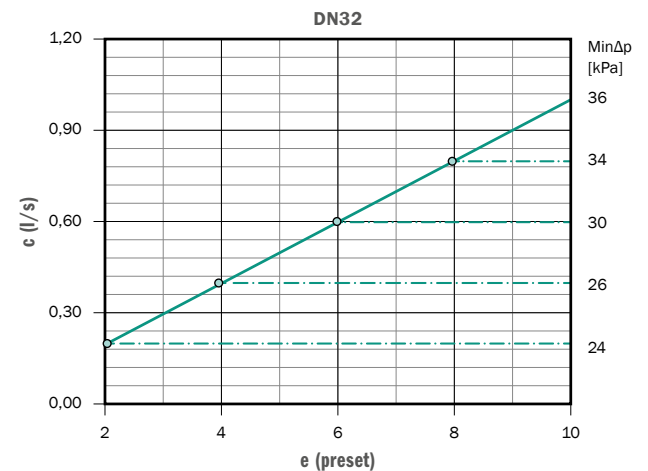
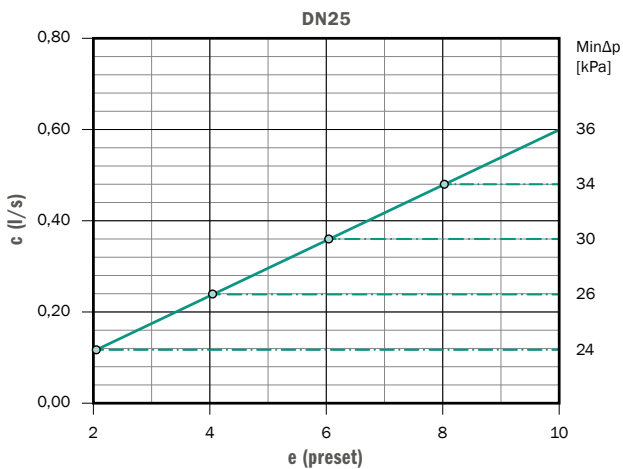
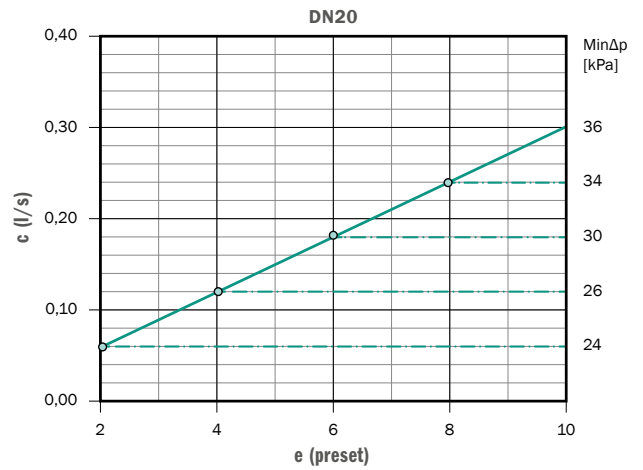
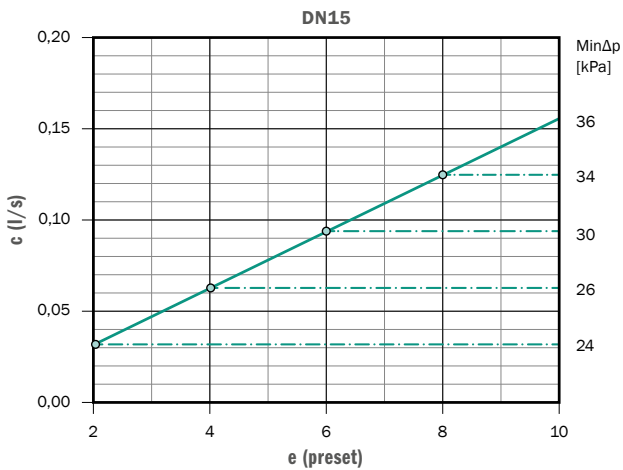
4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			900x900			
			91	92	93	94
	DN		DN 20	DN 20	DN 20	DN 20
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		1"	1"	1"	1"
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,062-0,311	0,062-0,311	0,062-0,311	0,062-0,311
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,125	0,136	0,146	0,107
	l/s	max	0,220	0,256	0,305	0,234

Presetting and nomograms

In accordance with the principles of dynamic balancing, presetting allows you to set the maximum flow rate of the valve, i.e. the flow rate which will be kept constant within the differential pressure range of use, with the valve fully open. The presetting affects the minimum differential pressure of use of the valve.



SOFT | SOFT ECM



a	Funzione di prerogolazione / Preset function / Fonction de pré-réglage / Voreingestellte Funktion / Función preestablecida
b	Portata prerogolata / Preset flow rate / Débit pré-réglé / Voreingestellte Durchflussmenge / Caudal preestablecido
c (l/s)	Portata / Flow / Débit / Durchflussrate / Caudal
d	Segnale / Signal / Signal / Signal / Señal
e	Prerogolazione / Preset / Pré-réglage / Voreinstellung / Preajuste

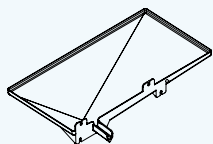
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



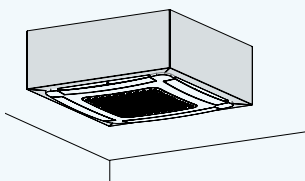
Infrared remote control IR-C

for RC cassette



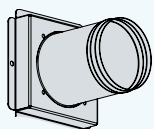
Auxiliary drain pan

made in molded ABS.



Decorative cabinet:

in hot-galvanized steel and painted in RAL9016 white or with a color of your choice.



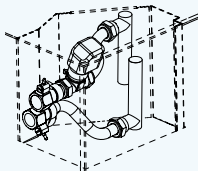
Air spigots:

- Ø 80 mm circular spigot for fresh air intake,
- circular spigot Ø 150 mm for air supply to adjacent room,
- fresh air baffle plate with Ø 150 mm spigot



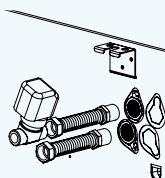
Panels and baffle plates customization

it is possible to request customized paintings for the front panels or for the baffle plates (color of your choice).



Internal valves:

on/off valves, 2-way or 3-way, for 2 or 4 pipe system, supplied already installed, tested and integrated directly into the unit.



External valves:

on/off valves, modulating, floating, two and three ways or independent balancing valves, for two or four pipe systems. Supplied pre-assembled but loose, to be installed directly on site by the customer.

The new generation filtration system

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - 600

Electronic filter for 600x600 version
Models: 61,62,63,64,65 - 81,82,83,83C,84,84C

Clean Life System - 900

Electronic filter for 900x900 version
Models: 71,72,73 - 91,92,93,94

Electronic filter

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.

A healthy choice, responsible and aware

This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

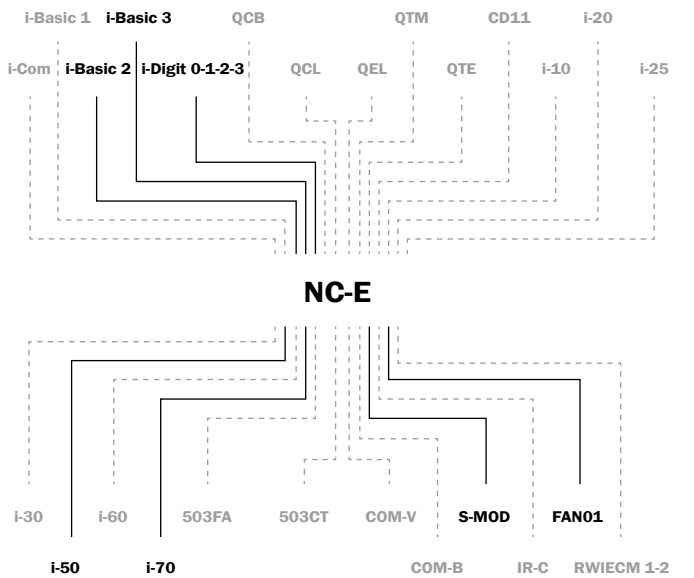
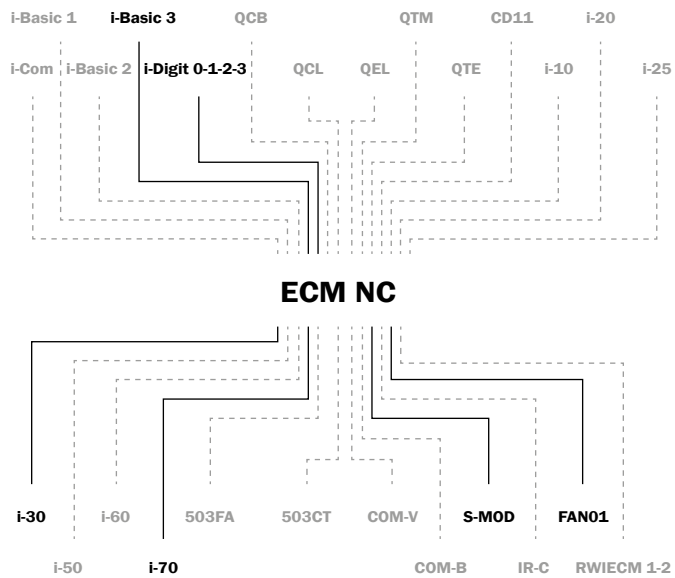
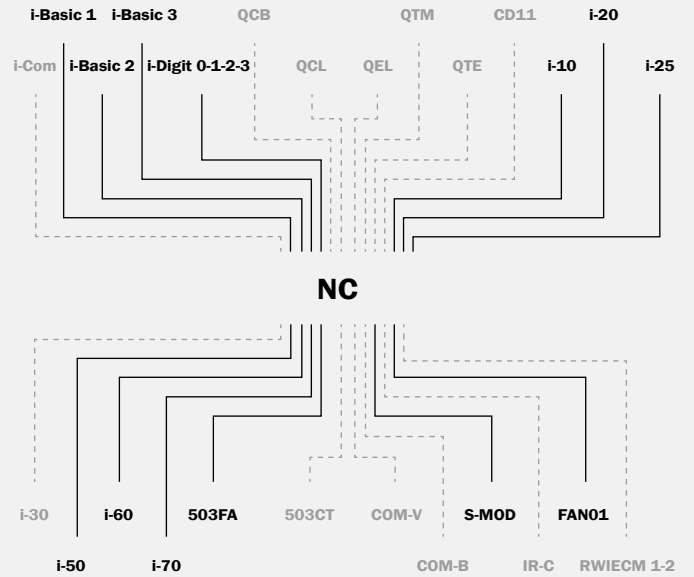
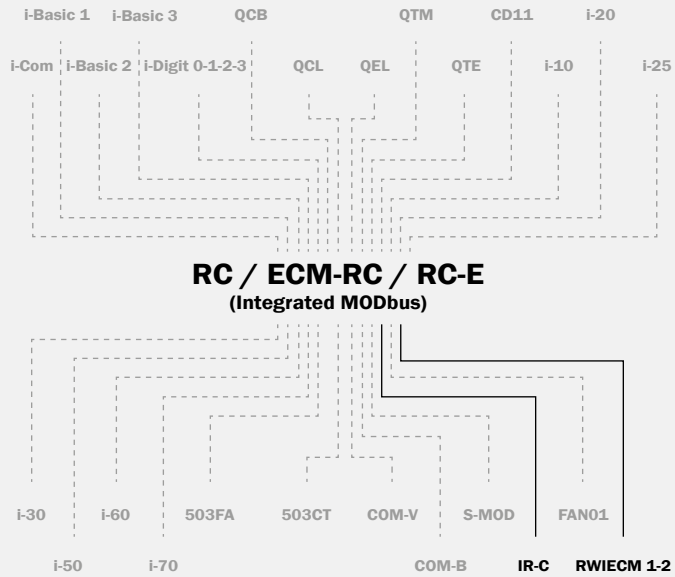
The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

Compatibility of controls



— Compatible
 Compatible
 Compatible
 Kompatibel
 Compatible
 - - - - - Non compatible
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

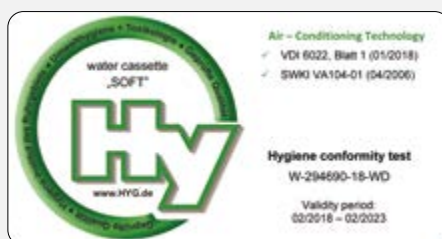
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

SOFT-ECM-Hy

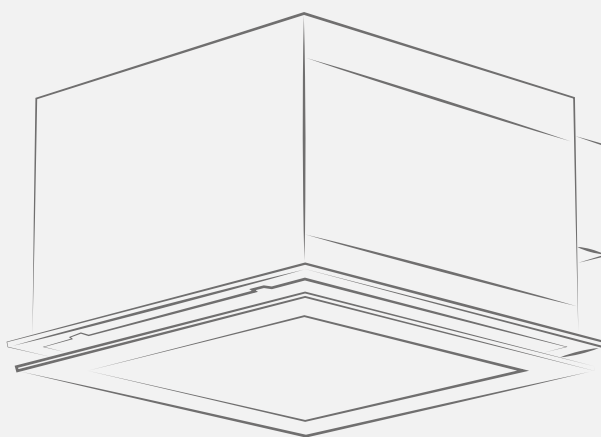
Hygienic cassette fan coil unit
according to VDI 6022



Hygiene compliance test


n. W-294690-18-WD


- VDI 6022, Part 1 (01/2018)
- SWKI VA104-01 (04/2006)



A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Comfort and well-being, in total safety

 **1.6 ÷ 5.4** kW
cooling

 **1.6 ÷ 5.4** kW
heating

 **50%**
energy saving up to 50%

 **225 - 760** m³/h
air flow



Constructive and innovative solutions:

the introduction of innovative solutions has also involved the use of stainless materials and cutting-edge polymers tested according to DIN EN ISO 846 and capable of inhibiting bacterial proliferation. Insulators and polymeric components directly in contact with the air flow have been specifically tested in certified laboratories in order to guarantee the maximum resistance to the action of fungi, bacteria and microorganisms that could represent a risk for the health and well-being of the user.



Fan section:

consisting of a radial fan appropriately developed to optimize performance and reduce turbulence, to the benefit of efficiency and low noise. Electric motor suspended on ECM type anti-vibration mounts with innovative Brushless motor that ensures precise and modular control of the air flow, limiting the energy supply to the actual workload required, without any waste.



Front panel:

the unit is supplied as standard with a front panel made of AISI 304 stainless steel, with a slightly brushed finish. The panel guarantees excellent aesthetics as well as offering even greater resistance, hygiene and greater ease of cleaning.



Easy installation and maintenance:

high attention has been paid to the issue of accessibility in order to be able to guarantee a simplification of installation and maintenance activities, for the benefit of a net reduction in operating costs and greater efficiency and safety during cleaning and sanitizing processes. Moreover, thanks to the *EasyWaySystem*, which allows quick and easy access to all the main components that require ordinary or extraordinary interventions, it is possible to intervene without having to remove the front intake panel.



Condensate drain pan:

specially designed in order to be easily removed and sanitized, it is made entirely of stainless steel, suitably insulated with polymer tested according to DIN EN ISO 846. Applied materials and geometries are aimed at inhibiting bacterial proliferation and avoiding corrosion phenomena. The discharge of condensate occurs entirely by gravity and without the use of pumps, in order to ensure the total absence of any type of water stagnation.



Comfort with maximum level of silence:

the series represents the perfect combination of innovation, safety and design, where the technological choices adopted allow for maximum comfort and maximum safety in the environments, with the minimum operating noise.



Filter:

renewable filter with galvanized steel frame and polypropylene filter fabric with efficiency class G1*/EU1**. Alternatively, a wide range of filters with greater efficiencies are available, including G4*/EU4**, F7*/EU3** or the innovative electronic filter that allows complete air purification and at the same time ensures high efficiencies thanks to the minimum pressure losses. (* according to EN779 / ** according to Eurovent)

Comfort and well-being, in total safety

Eden, with this new certified series of cassette fan coils, wanted to give a concrete answer to the primary aspect of user safety, designing and developing a dedicated range of units designed to guarantee high standard hygienic and sanitary conditions, with multiple versatility in the field application, ranging from the most common applications such as offices, schools, gyms, SPAs and commonplaces in general in order to be able to offer a healthier and safer environment, up to more sensitive applications such as hospitals, clinics, food and pharmaceutical industries in which they must absolute levels of hygiene must be guaranteed.

Versions

SOFT-ECM-Hy NC with ECM motor, without motherboard (compatible with NC type panel)

SOFT-ECM-Hy RC with ECM motor, with motherboard (compatible with RC type panel)



SOFT-ECM-Hy

**Hygiene-Institut
des Ruhrgebiets**
Institut für Umwelthygiene und Toxikologie
Direktor: Prof. Dr. rer. nat. L. Dunemann
Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.
Hygiene-Institut, UMWELT Postfach 10 12 55 - 48812 Gelsenkirchen



Rotthauer Str. 21
45879 Gelsenkirchen
Telefon 0209 9242 0
Telefax 0209 9242 222
Internet www.hyg.de
Umsr Zeichen: W-294690-18-WD
Ansprechpartner: F. Wedke B. Eng.

Test - certificate

hygiene – conformity check to the design requirements
of VDI 6022, part 1 (01/2018)

Test institute:	Hygiene Institut des Ruhrgebiets Institut für Umwelthygiene und Toxikologie Rotthauer Straße 21 49879 Gelsenkirchen
Test object:	water cassette fan coil unit "SOFT"
Manufacturer:	Eden Via Montegrappa, 87 31020 San Zenone degli Ezzelini (Tv) Italy
Basis of the examination:	✓ VDI 6022, part 1 (01/2018) ✓ SWKI VA104-01 (04/2006)
Validity period:	5 years 02/2018 – 02/2023
Test report:	W-294690-18-WD



In conclusion it can be stated that the examined water cassette fan coil unit "SOFT", as specified in the test report W-294690-18-WD, is in compliance with the design requirements of the above mentioned regulations.


(Priv.-Doz. Dr. G.-J. Tuschewitzki)
Head of the Department of Water
Hygiene and Environmental
Microbiology


(F. Wedke B. Eng.)
Administrator of Air Conditioning technology
Department of Water
Hygiene and Environmental Microbiology

issued 09.02.2018, Gelsenkirchen


Within the framework of the conformity check the hygiene-relevant requirements of the above mentioned regulations were examined. Requirements of other regulations that refer to the above mentioned regulations were not part of the examination. Additionally, the conformity check does not include a toxicological or sensory testing of the introduced materials. This document is not part of a certification process.

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., Vereinsregister: VR 518 Amtsgericht Gelsenkirchen, USt-ID: DE125018358
Verband: Prof. Dr. Werner Schöke (Hrsg.), Prof. Dr. Jürgen Kretschmann, Dr. Emanuel Düb, Volker Vohmann, Prof. Dr. Leifur Dunemann (geschäftsführ. Vorstand)

Eden has been certified in accordance with the hygienic requirements of VDI 6022. This certification represents an important stage in the process of constant improvement of our products.

Supplemento ordinario alla GAZZETTA UFFICIALE Serie generale - n. 256

ALLEGATO A



MINISTERO DELLA SALUTE
DIPARTIMENTO DELLA PREVENZIONE E COMUNICAZIONE

DIREZIONE GENERALE DELLA PREVENZIONE SANITARIA

SCHEMA DI LINEE GUIDA
PER LA DEFINIZIONE DI PROTOCOLLI TECNICI DI MANUTENZIONE
PREDITTIVA SUGLI IMPIANTI DI CLIMATIZZAZIONE

3-11-2006 Supplemento ordinario alla GAZZETTA UFFICIALE Serie generale - n. 256

Il presente documento, esplicitamente previsto dall'Accordo Ministro della Salute Regioni e Province autonome del 27 settembre 2001, concernente "Linee Guida per la tutela e la promozione della salute negli ambienti confinati" (G.U. del 27 novembre 2001, n. 276, SO n. 252), è stato elaborato dalla commissione "indoor" del Ministero della salute e successivamente aggiornato e modificato da un apposito gruppo di lavoro interministeriale.

Le indicazioni tecniche di seguito riportate fanno riferimento alla norma tedesca VDI 6022 (Luglio 1998): *Hygienic standards for ventilation and Air-Conditioning Systems for Offices and assembly Rooms* ed alle principali norme riguardanti la progettazione, l'installazione e la manutenzione dei comparti e sistemi aeraulici, riportate in Appendice A, tratta dalle Linee Guida dell'AICARR.

Main features

The introduction of innovative technical construction solutions and the use of stainless materials and cutting-edge polymers tested according to DIN EN ISO 846, capable of inhibiting bacterial proliferation, have allowed the realization of a series of cassette fan coils conforming to the most stringent parameters imposed by the VDI 6022 guidelines, increasingly recognized at European level as a reference point for the design of innovative public places in which an **excellent level of hygiene and comfort** must be ensured for the total psychophysical well-being of the user.



Hospitals
and clinics



Public places



Food industry



Enology









Pharmaceutical



SOFT-ECM-Hy







The series consists of a wide and well-diversified range that includes solutions for the most varied installation requirements and consists of:

- › 5 sizes of capacities, for 2-pipe system version
- › 6 sizes of capacities, for 4-pipe system version
- › 600x600mm frontal panel made of AISI 304 stainless steel
- › Version with motherboard (RC) or without motherboard (NC)
- › Centrifugal fan coil cassette with ECM motor
- › Wide range of controls supplied
- › Air filter with G1-class efficiency, G4 / F7 / electronic filter alternatively
- › Differential pressure switch (optional)

				600x600						
2 tubi - pipes - tubes Letter - tubos				61	62	63	64	65		
 7/12 °C  27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W	3	2223	2667	4247	4975	5381	
			W	2	1835	2433	3047	3648	4655	
			W	1	1556	1944	2144	2697	3967	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W	3	1843	2027	3107	3695	3991	
			W	2	1485	1813	2177	2628	3355	
			W	1	1236	1424	1494	1907	2797	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		l/h	3	390	465	739	867	939	
			l/h	2	321	424	530	635	812	
			l/h	1	271	338	372	468	691	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	20,0	16,0	24,0	24,0	30,0	
			kPa	2	14,0	14,0	18,0	18,0	24,0	
			kPa	1	11,0	10,0	11,0	16,0	18,0	
 45/40 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W	3	2340	2620	4080	4910	5420	
			W	2	1920	2370	2930	3440	4930	
			W	1	1590	1910	2090	2580	4090	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		l/h	3	408	456	711	855	943	
			l/h	2	335	413	510	600	860	
			l/h	1	276	333	364	449	712	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	20,9	15,5	18,5	22,8	29,6	
			kPa	2	14,2	12,5	16,2	18,0	25,7	
			kPa	1	10,5	8,9	9,7	15,3	19,2	
	 50 °C  20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica		W	3	2800	3150	4910	5900	6500
				W	2	2300	2850	3522	4150	5900
				W	1	1900	2300	2510	3100	4900
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua			l/h	3	390	465	739	867	939	
			l/h	2	321	424	530	635	812	
			l/h	1	271	338	372	468	691	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua			kPa	3	19,0	16,0	19,0	23,1	29,0	
			kPa	2	13,0	13,0	17,0	19,8	23,0	
			kPa	1	10,0	9,0	10,0	16,5	18,0	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica		(E)	dB(A)	3	46	44	52	60	62	
			dB(A)	2	39	41	44	49	59	
			dB(A)	1	33	34	34	39	53	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora		dB(A)	3	37	35	43	51	53		
		dB(A)	2	30	32	35	40	50		
		dB(A)	1	24	25	25	30	44		
Portata aria Air flow Débit d'air Luftstrom Flujo de aire		m³/h	3	367	398	550	660	760		
		m³/h	2	295	355	398	468	660		
		m³/h	1	225	269	269	328	550		

- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
 - **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
 - **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
 - **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
 - **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

				600x600							
4 tubi - pipes - tubes Leiter - tubos				81	82	83	83C	84	84C		
 <p>7/12 °C</p> <p>27 °C d.b. 19 °C w.b.</p> 	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W	3	2303	2707	3337	3827	3825	4395	
		(E)	W	2	1905	2373	2507	2957	3048	3408	
		(E)	W	1	1606	1864	1884	1974	2367	2627	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W	3	1873	1977	2547	2857	2975	3345	
		(E)	W	2	1505	1713	1867	2157	2308	2518	
		(E)	W	1	1226	1344	1364	1404	1747	1897	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h	3	403	472	584	668	669	767	
		(E)	l/h	2	333	414	438	515	532	594	
		(E)	l/h	1	280	324	328	343	412	456	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	18,0	14,0	17,0	32,3	21,0	28,0	
		(E)	kPa	2	15,0	12,0	14,0	27,9	17,0	22,0	
		(E)	kPa	1	10,0	10,0	10,0	22,0	12,0	17,0	
 <p>65/55 °C</p> <p>20 °C</p> 	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W	3	2690	3070	3900	2890	4380	3250	
		(E)	W	2	2300	2680	3070	2340	3510	2610	
		(E)	W	1	1780	2150	2150	1680	2760	2100	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h	3	236	269	342	254	384	285	
		(E)	l/h	2	201	235	269	206	307	229	
		(E)	l/h	1	156	187	189	147	242	184	
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa	3	12,2	20,4	42,7	18,1	41,0	21,2	
		(E)	kPa	2	11,3	16,5	35,3	14,9	35,4	18,8	
		(E)	kPa	1	8,8	12,2	21,1	11,0	22,5	13,3	
	 <p>70/60 °C</p> <p>20 °C</p> 	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W	3	3050	3500	4450	3300	5000	3710
			(E)	W	2	2600	3050	3500	2670	4000	2980
			(E)	W	1	2010	2450	2450	1910	3150	2390
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua		(E)	l/h	3	268	307	391	290	439	326	
		(E)	l/h	2	228	268	307	235	351	262	
		(E)	l/h	1	177	215	215	168	277	210	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua		(E)	kPa	3	15,0	15,0	53,4	23,0	52,6	27,0	
		(E)	kPa	2	14,0	12,0	44,5	19,0	45,6	24,0	
		(E)	kPa	1	11,0	9,0	26,7	14,0	28,9	17,0	
Livello di potenza sonora Sound power level Niveau de puissance sonore Schall-Leistungspegel Nivel de potencia acústica		(E)	dB(A)	3	46	47	52	52	58	58	
		(E)	dB(A)	2	39	41	44	44	49	51	
		(E)	dB(A)	1	33	37	34	37	39	44	
Livello di pressione sonora Sound pressure level Niveau de pression sonore Schall-Druckpegel Nivel de presión sonora	(E)	dB(A)	3	37	38	43	43	49	49		
	(E)	dB(A)	2	30	32	35	35	40	42		
	(E)	dB(A)	1	24	28	25	28	30	35		
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h	3	367	398	550	550	660	660		
	(E)	m³/h	2	295	355	398	398	468	468		
	(E)	m³/h	1	224	269	269	269	328	328		


- **Unità standard a bocca libera:** pressione statica esterna = 0 Pa / Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015** / **Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz

- **Standard unit with free outlet:** external static pressure = 0 Pa / The sound power level test has been performed according to **EN 16583:2015 standard** / **Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz

- **Unité standard avec sortie libre:** pression statique externe = 0 Pa / Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme **EN 16583: 2015** / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz

- **Standard Einheit mit offenem Auslass:** externer statischer Druck = 0 Pa / Der Test zur Erfassung des Schalleistungsniveaus wurde gemäß der Norm **EN 16583: 2015** durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz

- **Unidad estándar con salida libre:** presión estática externa = 0 Pa / La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015** / **Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

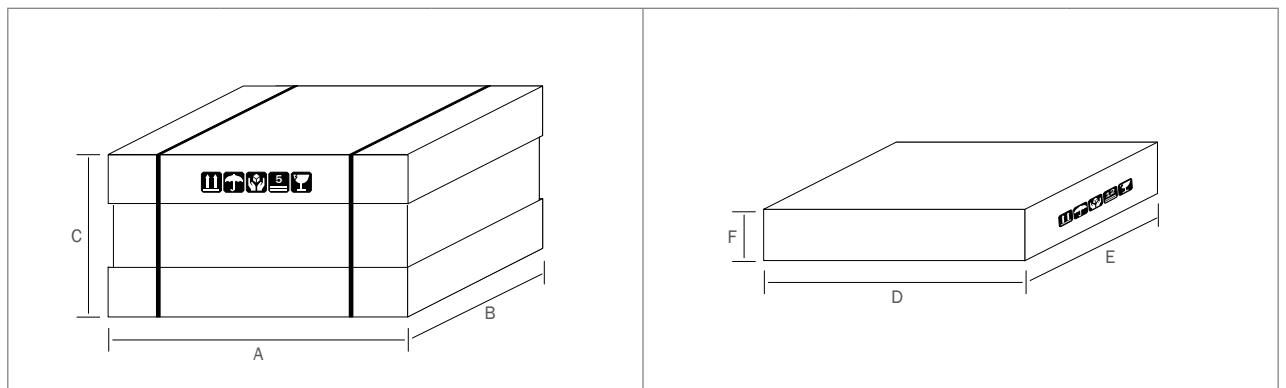
			600x600										
 Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			61	62	63	64	65	81	82	83	83C	84	84C
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur (E) Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	W	3	12	11	25	52	69	12	12	25	29	38	44
	W	2	7	9	11	22	43	9	9	9	13	16	21
	W	1	6	6	7	10	27	6	5	6	7	9	10
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador	A	3	0,16	0,14	0,29	0,48	0,62	0,16	0,16	0,28	0,31	0,36	0,42
	A	2	0,09	0,11	0,15	0,26	0,41	0,09	0,11	0,14	0,18	0,21	0,25
	A	1	0,07	0,07	0,07	0,13	0,30	0,07	0,08	0,07	0,07	0,10	0,13
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)	V	3	9,0	7,6	8,6	9,5	9,5	9,0	8,9	8,3	9,3	8,5	9,6
	V	2	4,4	5,6	4,3	5,1	5,5	4,8	5,9	4,0	5,5	4,3	5,4
	V	1	1,5	2,0	1,4	1,9	1,6	1,8	1,8	1,4	1,5	1,3	2,1
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz										

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Weights and packaging

SOFT-ECM-Hy

	UNITÀ UNIT			PANNELLO METALLO METAL PANEL		
	dimensioni dimension	peso netto net weight	peso lordo gross weight	dimensioni dimension	peso netto net weight	peso lordo gross weight
	[mm] (AxBxC)	[kg]	[kg]	[mm] (DxExF)	[kg]	[kg]
MOD. 61	790 x 760 x 335	20	22	730 x 730 x 115	7,5	9
MOD. 62	790 x 760 x 335	21	23	730 x 730 x 115	7,5	9
MOD. 63	790 x 760 x 335	23	25	730 x 730 x 115	7,5	9
MOD. 64	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 65	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 81	790 x 760 x 335	23	25	730 x 730 x 115	7,5	9
MOD. 82	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 83	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 83C	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 84	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9
MOD. 84C	790 x 760 x 335	24	26	730 x 730 x 115	7,5	9



Unità / Unit / Unité / Gerät / Unidad			61	62	63	64	65	81	82	83	83C	84	84C
Lunghezza / Length / Longueur / Länge / Longitud	L1	mm	572	572	572	572	572	572	572	572	572	572	572
Altezza / Height / Hauteur / Höhe / Altura	H1	mm	380	380	380	380	380	380	380	380	380	380	380
Profondità / Depth / Profondeur / Tiefe / Profundidad	P1	mm	570	570	570	570	570	570	570	570	570	570	570
Pannello / Panel / Panneau / Paneel / Panel			61	62	63	64	65	81	82	83	83C	84	84C
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	623	623	623	623	623	623	623	623	623	623	623
Altezza / Height / Hauteur / Höhe / Altura	H	mm	43	43	43	43	43	43	43	43	43	43	43
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	623	623	623	623	623	623	623	623	623	623	623

Impianto a 2 tubi
2 pipe system
Installation à 2 tubes
2-Leiter-System
Sistema de 2 tubos

1/2" (Mod. 61-62)
3/4" (Mod. 63-64-65)

Impianto a 4 tubi
4 pipe system
Installation à 4 tubes
4-Leiter-System
Sistema de 4 tubos

1/2"
1/2"

SOFT-ECM-Hy

The new generation filtration system

SOFT-ECM-Hy

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - 600Hy

Electronic filter for 600x600 version
Models: 61,62,63,64,65 - 81,82,83,83C,84,84C

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.


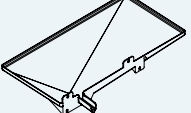
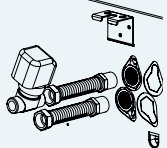
A healthy choice, responsible and aware

This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

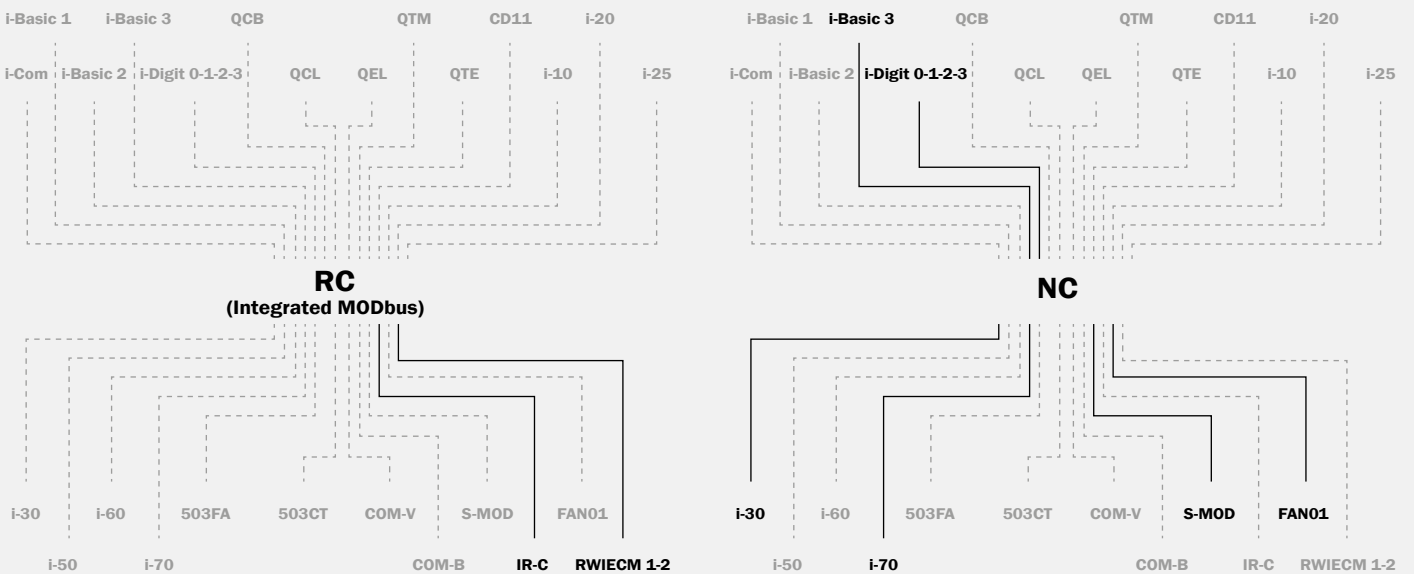
The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

Main accessories

	<p>Infrared remote control IR-C for RC cassette</p>
	<p>Auxiliary drain pan made of stainless steel.</p>
	<p>Filter: regenerable synthetic filters and polypropylene filter fabric with efficiency classes G4 or F7 or electronic filter.</p>
	<p>Differential pressure switch for with dirty filter alert.</p>
	<p>External valves on/off valves, modulating, floating, two and three ways or independent balancing valves, for two or four pipe systems. Supplied pre-assembled but loose, to be installed directly on site by the customer.</p>

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.



——— Compatible
 Compatible
 Compatible
 Kompatibel
 Compatible
 - - - - - Non compatible
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

Compatibility of controls

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b.Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeschalter Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambiant électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambiant électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) - Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

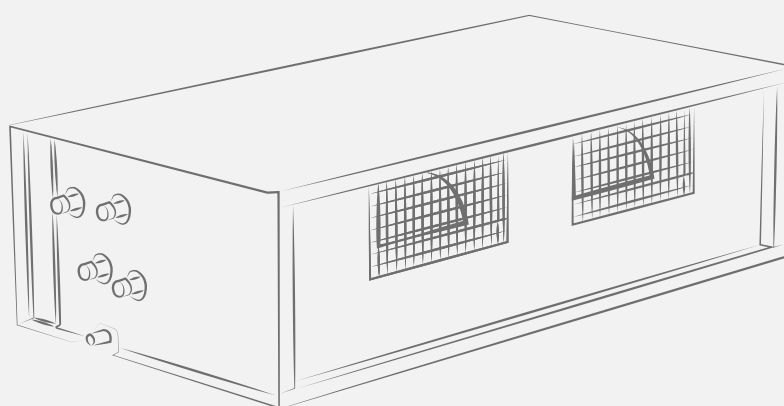
[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

EOS


EOS-ECM


Thin profile
ductable air treatment unit



A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Performance and reliability, with maximum efficiency

 2.4 ÷ 29.6 kW
cooling

 2.5 ÷ 34.2 kW
heating

 50%
energy saving up to 50%

 353 - 6232 m³/h
air flow



Structure:

single paneling version: made of hot-galvanized sheet Z200 1 mm and 1.5 mm thick (sizes 6-7) insulated with thermo-acoustic mattress class B-s2, d0 with closed cells, 6 mm thick.

double paneling version: made of Z200 hot galvanized sheet 1 mm and 1.5 mm thick (sizes 6-7) pre-painted white RAL9010 externally and internally galvanized, sandwich type panels 15 mm thick with mineral wool thermal and acoustic insulation density 35 kg/m³.



Auxiliary drain pan

made of hot galvanized sheet Z200, 1 mm thick, externally insulated with closed cell thermoacoustic mattress class B-s2, d0, 6 mm thick.



Air filter:

always supplied as standard and integrated in the unit, easily removable from the side or from the bottom, regenerable and made of synthetic filter fabric enclosed by a galvanized steel frame and efficiency class G3 * / EU3 **, 12 mm thick.

Alternatively, a wide range of filters with higher efficiencies are available including G3 * / EU3 ** 25 mm, G4 * / EU4 ** 48 mm or filter with aluminum mesh G1 * / EU1 ** 12 mm. Also available is the innovative electronic filter that allows complete air purification and at the same time ensures high efficiency thanks to minimal pressure drops.

(* according to EN779 / ** according to Eurovent)



Fan group

double-inlet centrifugal fans with statically and dynamically balanced horizontally-oriented aluminium impellers. Single-phase asynchronous electric motor with overload cutout. Multi-speed motor (3 of which are connected). The motor is directly coupled to the fans and cushioned with flexible mountings to ensure low noise.

The ECM series is instead equipped with innovative Brushless ECM motors that guarantee precise and modular control of the air flow, limiting the energy supply to the actual workload required, without unnecessary waste.



Coils:

coils are made of copper pipe expanded into aluminium fins.

Copper headers with male fittings (GAS threads) and easily accessible air vents.

The water connections are located on the left (looking at the air outlet).

On request, the water connections can be placed on the right side of the unit.

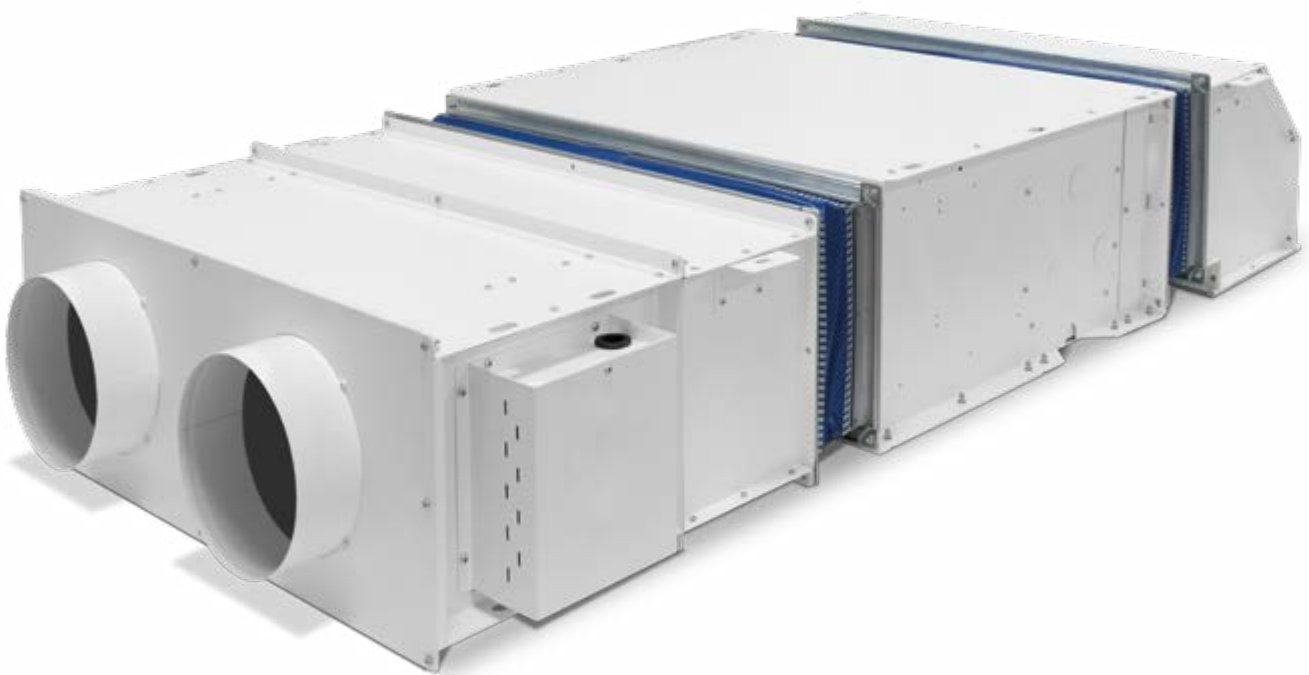
The heat exchanger coil is not suitable for use in corrosive atmospheres.

Thin profile ductable air treatment units are available in 8 versions and 7 sizes.

Units are extremely suitable for small and medium centralized conditioning systems connected by a small ducting network. The thin height of these units, make them the convenient solution for false ceiling installation, to make the best use of space available.

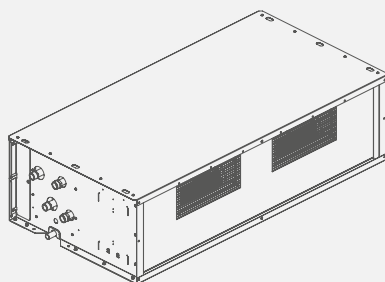
Great attention was also paid to the reduction and simplification of maintenance times, allowing the removal of the filter both from the sides and from the bottom.

Versions	
EOS-H	single skin unit, horizontal installation, asynchronous motor
EOS-H-ECM	single skin unit, horizontal installation, ECM motor
EOS-V	single skin unit, vertical installation, asynchronous motor
EOS-V-ECM	single skin unit, vertical installation, ECM motor
EOS-DS-H	double skin unit, horizontal installation, asynchronous motor
EOS-DS-H-ECM	double skin unit, horizontal installation, ECM motor
EOS-DS-V	double skin unit, vertical installation, asynchronous motor
EOS-DS-ECM	double skin unit, vertical installation, ECM motor



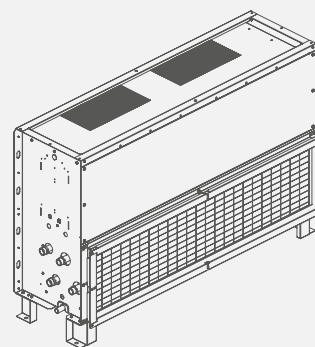
SINGLE SKIN UNIT

H



Horizontal installation
Single skin unit
galvanized steel sheet

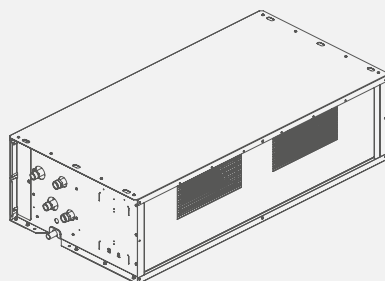
V



Vertical installation
Single skin unit
galvanized steel sheet

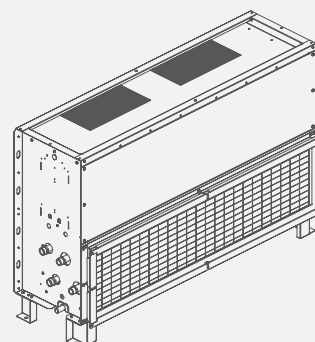
DOUBLE SKIN UNIT

DS-H



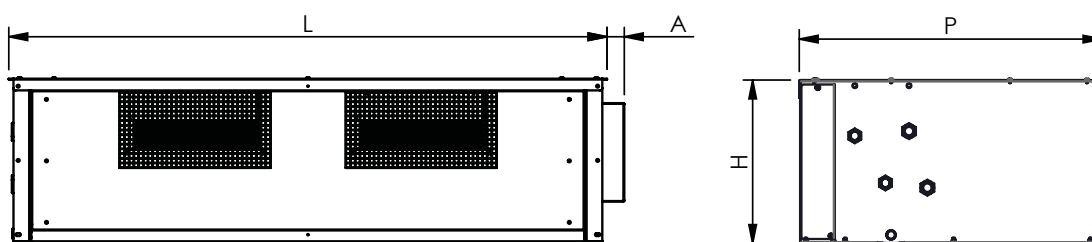
Horizontal installation
Double skin unit
in pre-painted galvanized steel outside
in galvanized steel inside

DS-V

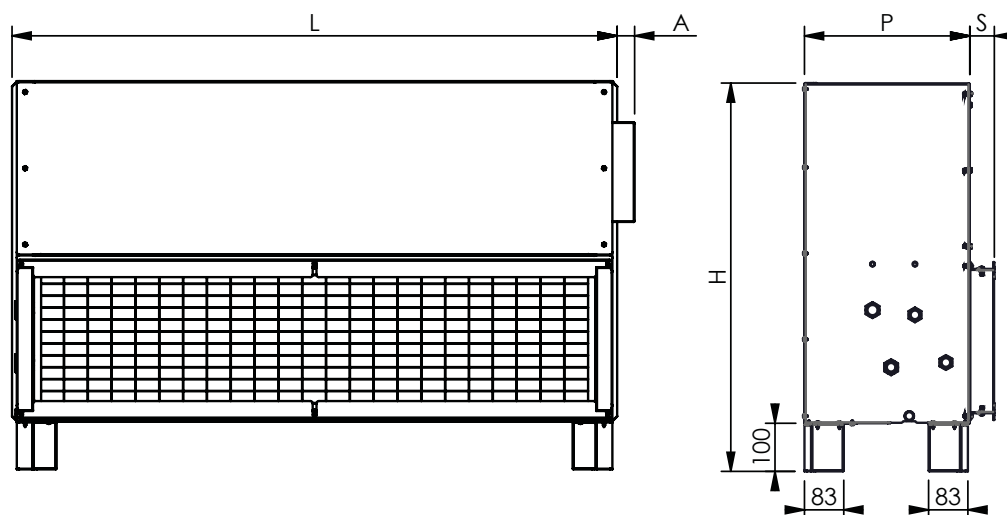






Vertical installation
Double skin unit
in pre-painted galvanized steel outside
in galvanized steel inside

			MOD. H							MOD. DS-H						
Unità orizzontale / Horizontal unit Unité horizontale / Horizontales gerät / Unidad horizontal			1	2	3	4	5	6	7	1	2	3	4	5	6	7
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	770	1070	1270	1420	1520	2190	2190	793	1093	1293	1443	1543	2213	2213
Altezza / Height / Hauteur / Höhe / Altura	H	mm	297	297	347	372	397	373	398	325	325	375	400	425	401	426
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	643	643	643	770	770	770	770	643	643	643	770	770	770	770
	A		38	38	38	38	38	38	38	38	38	38	38	38	38	38
Motori-Ventilatori / Motors-Fans / Moteurs-Ventilateur Motoren-Ventilatoren / Motores-Ventiladores	n°		1-1	1-2	1-2	1-2	1-2	2-4	2-4	1-1	1-2	1-2	1-2	1-2	2-4	2-4



			MOD. V							MOD. DS-V						
Unità verticale / Vertical unit Unité verticale / Vertikales gerät / Unidad vertical			1	2	3	4	5	6	7	1	2	3	4	5	6	7
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	770	1070	1270	1420	1520	2190	2190	793	1093	1293	1443	1543	2213	2213
Altezza / Height / Hauteur / Höhe / Altura	H	mm	740	740	815	890	915	891	916	754	754	829	904	929	905	930
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	297	297	347	372	397	373	398	325	325	375	400	425	401	426
	A		38	38	38	38	38	38	38	38	38	38	38	38	38	38
Motori-Ventilatori / Motors-Fans / Moteurs-Ventilateur Motoren-Ventilatoren / Motores-Ventiladores	n°		1-1	1-2	1-2	1-2	1-2	2-4	2-4	1-1	1-2	1-2	1-2	1-2	2-4	2-4
Filtro / Filter / Filtre / Filter / Filtro	S	mm	52	52	52	52	52	86	86	52	52	52	52	52	86	86



2 tubi - pipes - tubes Leiter - tubos		4R scambiatore - coil - batterie Wärmetauscher - batería		1	2	3	4	5	6 (*)	7 (*)	
 <p>7/12 °C</p>	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W 6	3058	-	-	-	-	-	-	-
			W 5	2987	6358	9708	12565	-	26062	-	
			W 4	2856	6058	9016	12010	16014	24480	29589	
			W 3	2785	5924	7825	11274	15131	22568	27851	
			W 2	2581	5618	6966	9140	13329	17979	24818	
			W 1	2433	5193	5689	6630	11810	13261	22020	
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W 6	2312	-	-	-	-	-	-	-
			W 5	2256	4618	7048	9145	-	19562	-	
			W 4	2147	4388	6506	8720	11784	18260	22249	
			W 3	2092	4284	5585	8144	11081	16688	20801	
			W 2	1926	4048	4926	6490	9649	13039	18308	
			W 1	1819	3723	3999	4640	8470	9411	16050	
	 <p>27 °C d.b. 19 °C w.b.</p>	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 6	545	-	-	-	-	-	-
				l/h 5	530	1122	1714	2236	-	4646	-
				l/h 4	506	1065	1590	2127	2859	4348	5298
				l/h 3	493	1041	1380	1994	2695	4003	4976
				l/h 2	457	988	1229	1614	2373	3182	4430
				l/h 1	431	914	1003	1171	2103	2344	3931
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E)	kPa 6	11,4	-	-	-	-	-	-	-	
		kPa 5	10,8	16,0	20,8	22,0	-	23,7	-		
		kPa 4	9,9	14,6	18,6	20,2	22,8	21,1	32,0		
		kPa 3	9,2	14,1	14,5	18,0	21,0	18,2	28,9		
		kPa 2	8,3	12,8	11,8	12,4	16,8	12,1	22,8		
		kPa 1	7,8	11,2	8,4	7,0	13,6	7,1	18,1		
 <p>45/40 °C</p>	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 6	3230	-	-	-	-	-	-	
			W 5	3140	6950	10510	13880	-	30200	-	
			W 4	2980	6570	9630	13140	17980	28020	34170	
			W 3	2900	6410	8310	12240	16840	25540	31820	
			W 2	2700	6050	7350	9740	14640	19840	27930	
			W 1	2520	5570	5880	6880	12840	14310	24450	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 6	562	-	-	-	-	-	-	
			l/h 5	547	1211	1830	2419	-	5261	-	
			l/h 4	519	1144	1686	2289	3132	4881	5952	
			l/h 3	506	1116	1447	2131	2934	4449	5544	
			l/h 2	470	1054	1280	1696	2550	3454	4865	
			l/h 1	440	970	1024	1201	2236	2492	4261	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E)	kPa 6	10,1	-	-	-	-	-	-		
		kPa 5	9,9	15,2	19,8	20,8	-	24,3	-		
		kPa 4	9,0	13,8	17,0	18,9	22,6	21,3	32,4		
		kPa 3	8,4	13,2	13,1	17,0	20,2	18,1	28,6		
		kPa 2	7,0	11,9	10,5	11,1	15,8	11,6	22,7		
		kPa 1	6,5	10,3	7,1	6,1	12,5	6,5	18,0		
 <p>20 °C</p>	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 6	3860	-	-	-	-	-	-	
			W 5	3760	8280	12530	16540	-	35740	-	
			W 4	3570	7830	11560	15660	21370	33210	40470	
			W 3	3480	7640	9930	14600	20030	30310	37740	
			W 2	3240	7220	8790	11640	17440	23620	33190	
			W 1	3030	6650	7050	8260	15330	17090	29110	
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 6	545	-	-	-	-	-	-	
			l/h 5	530	1122	1714	2236	-	4646	-	
			l/h 4	506	1065	1590	2127	2859	4348	5298	
			l/h 3	493	1041	1380	1994	2695	4003	4976	
			l/h 2	457	988	1229	1614	2373	3182	4430	
			l/h 1	431	914	1003	1171	2103	2344	3931	
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E)	kPa 6	9,4	-	-	-	-	-	-		
		kPa 5	9,2	13,1	17,3	17,9	-	19,3	-		
		kPa 4	8,3	11,9	15,2	16,4	18,9	17,1	25,9		
		kPa 3	7,9	11,5	11,8	14,6	17,1	14,8	23,2		
		kPa 2	6,7	10,4	9,6	10,1	13,6	9,9	18,9		
		kPa 1	6,2	9,1	6,7	5,7	11,0	5,8	15,3		

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Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

- Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la normativa EN 16583:2015 / **Livello di pressione sonora:** considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile:** ~230V / 1ph / 50-60Hz
- The sound power level test has been performed according to EN 16583:2015 standard / **Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** ~230V / 1ph / 50-60Hz
- Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore:** considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valeurs de tension admissibles:** ~230V / 1ph / 50-60Hz
- Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel:** Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung:** ~230V / 1ph / 50-60Hz
- La prueba de nivel acústico se realizó de acuerdo con la norma EN 16583:2015 / **Nivel de presión sonora:** se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles:** ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

2 tubi - pipes - tubes Leiter - tubos		4R	scambiatore - coil - batterie Wärmetauscher - batería	1	2	3	4	5	6 (*)	7 (*)
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h	6	534	-	-	-	-	-	-
		m³/h	5	516	1114	1693	2286	-	5429	-
		m³/h	4	484	1039	1528	2128	3052	4916	6232
		m³/h	3	469	1007	1267	1946	2806	4357	5668
		m³/h	2	381	939	1092	1470	2349	3161	4776
		m³/h	1	353	848	838	976	1997	2122	4027
Pressione statica Static pressure Pression statique Statischer Druck Presión estática	(E)	Pa	6	61	-	-	-	-	-	-
		Pa	5	57	63	90	124	-	77	-
		Pa	4	50	55	73	106	86	63	86
		Pa	3	46	50	50	88	72	50	72
		Pa	2	39	44	37	50	50	26	50
		Pa	1	33	36	22	22	37	11	37
Livello di potenza sonora aspirazione + radiata / Sound power level inlet + radiated / Niveaux de puissance acoustique aspiration + rayonné / Schalleistungspegel Austritt und Abgestrahlt / Nivel de potencia acústica de admisión + resonancia	(E)	dB(A)	6	63	-	-	-	-	-	-
		dB(A)	5	62	71	65	70	-	73	-
		dB(A)	4	60	68	63	68	73	72	76
		dB(A)	3	59	67	59	64	70	69	74
		dB(A)	2	56	67	55	58	67	61	70
		dB(A)	1	54	63	51	55	63	55	66
Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schalleistungspegel Austritt Nivel de potencia sonora de salida	(E)	dB(A)	6	62	-	-	-	-	-	-
		dB(A)	5	61	67	69	74	-	76	-
		dB(A)	4	59	65	66	70	75	74	78
		dB(A)	3	58	64	60	66	71	70	75
		dB(A)	2	55	64	57	59	66	61	69
		dB(A)	1	52	60	50	56	62	55	65
Livello di pressione sonora aspirazione + radiata / Sound pressure level inlet + radiated / Niveau de pression acoustique aspiration + rayonné / Schalldruckpegel Eintritt und Abgestrahlt / Nivel de presión sonora de admisión + resonancia	(E)	dB(A)	6	54	-	-	-	-	-	-
		dB(A)	5	53	62	56	61	-	64	-
		dB(A)	4	51	59	54	59	64	63	67
		dB(A)	3	50	58	50	55	61	60	65
		dB(A)	2	47	58	46	49	58	52	61
		dB(A)	1	45	54	42	46	54	46	57
Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schallleistungspegel Austritt Nivel de presión sonora de salida	(E)	dB(A)	6	53	-	-	-	-	-	-
		dB(A)	5	52	58	60	65	-	67	-
		dB(A)	4	50	56	57	61	66	65	69
		dB(A)	3	49	55	51	57	62	61	66
		dB(A)	2	46	55	48	50	57	52	60
		dB(A)	1	43	51	41	47	53	46	56
Livello di potenza sonora aspirazione + radiata / Sound power level inlet + radiated / Niveaux de puissance acoustique aspiration + rayonné / Schalleistungspegel Austritt und Abgestrahlt / Nivel de potencia acústica de admisión + resonancia	(E)	dB(A)	6	62	-	-	-	-	-	-
		dB(A)	5	61	70	64	69	-	72	-
		dB(A)	4	59	67	62	67	72	71	75
		dB(A)	3	58	66	58	64	69	68	73
		dB(A)	2	55	66	54	57	66	60	69
		dB(A)	1	53	62	50	54	62	54	65
Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schalleistungspegel Austritt Nivel de potencia sonora de salida	(E)	dB(A)	6	61	-	-	-	-	-	-
		dB(A)	5	60	66	68	73	-	75	-
		dB(A)	4	58	64	65	69	74	73	77
		dB(A)	3	57	63	59	65	70	69	74
		dB(A)	2	54	63	56	58	65	60	68
		dB(A)	1	51	59	49	55	61	54	64
Livello di pressione sonora aspirazione + radiata / Sound pressure level inlet + radiated / Niveau de pression acoustique aspiration + rayonné / Schalldruckpegel Eintritt und Abgestrahlt / Nivel de presión sonora de admisión + resonancia	(E)	dB(A)	6	53	-	-	-	-	-	-
		dB(A)	5	52	61	55	60	-	63	-
		dB(A)	4	50	58	53	58	63	62	66
		dB(A)	3	49	57	49	55	60	59	64
		dB(A)	2	46	57	45	48	57	51	60
		dB(A)	1	44	53	41	45	53	45	56
Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schallleistungspegel Austritt Nivel de presión sonora de salida	(E)	dB(A)	6	52	-	-	-	-	-	-
		dB(A)	5	51	57	59	64	-	66	-
		dB(A)	4	49	55	56	60	65	64	68
		dB(A)	3	48	54	50	56	61	60	65
		dB(A)	2	45	54	47	49	56	51	59
		dB(A)	1	42	50	40	46	52	45	55

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- Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora**: considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile**: ~230V / 1ph / 50-60Hz
- The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level**: 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply**: ~230V / 1ph / 50-60Hz
- Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore**: considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valores de tension admisibles**: ~230V / 1ph / 50-60Hz
- Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel**: Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung**: ~230V / 1ph / 50-60Hz
- La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora**: se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admisibles**: ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

EOS | EOS-ECM

4 tubi - pipes - tubes (4+2)R scambiatore - coil - batterie Leiter - tubos Wärmetauscher - batería			1	2	3	4	5	6 (*)	7 (*)
7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E) W 6	3101	-	-	-	-	-	-
		(E) W 5	3010	5968	9338	11937	-	24582	-
		(E) W 4	2896	5728	8786	11521	15214	23350	27349
		(E) W 3	2837	5634	7725	10924	14511	21768	26171
		(E) W 2	2662	5408	6896	8970	13009	17549	23958
		(E) W 1	2516	5073	5639	6550	11620	12931	21520
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E) W 6	2182	-	-	-	-	-	-
		(E) W 5	2136	4318	6758	8647	-	18322	-
		(E) W 4	2047	4138	6326	8331	11134	17320	20369
		(E) W 3	2002	4064	5505	7864	10581	16038	19401
		(E) W 2	1876	3888	4876	6370	9389	12689	17608
		(E) W 1	1769	3633	3959	4590	8320	9151	15650
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E) l/h 6	552	-	-	-	-	-	-
		(E) l/h 5	536	1055	1651	2129	-	4406	-
		(E) l/h 4	513	1009	1551	2044	2721	4167	4912
		(E) l/h 3	502	991	1363	1934	2589	3878	4687
		(E) l/h 2	471	952	1217	1586	2318	3117	4282
		(E) l/h 1	445	893	995	1158	2071	2294	3845
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E) kPa 6	10,2	-	-	-	-	-	-	
	(E) kPa 5	9,9	14,4	20,3	20,2	-	21,3	-	
	(E) kPa 4	9,1	13,3	17,8	18,8	21,3	20,2	28,7	
	(E) kPa 3	8,7	12,9	14,2	17,0	19,5	18,4	26,4	
	(E) kPa 2	7,9	12,0	11,6	12,0	16,1	12,1	22,2	
	(E) kPa 1	7,0	10,8	8,2	6,9	13,2	7,4	18,8	
65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E) W 6	4180	-	-	-	-	-	
		(E) W 5	4080	7910	12070	15520	-	32950	-
		(E) W 4	3930	7580	11380	14930	19970	31190	35980
		(E) W 3	3860	7460	10070	14170	19040	29080	34360
		(E) W 2	3660	7180	9080	11760	17130	23600	31460
		(E) W 1	3440	6770	7490	8770	15400	17770	28360
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E) l/h 6	366	-	-	-	-	-	-
		(E) l/h 5	358	693	1058	1361	-	2888	-
		(E) l/h 4	345	665	997	1309	1751	2735	3155
		(E) l/h 3	338	654	883	1242	1669	2550	3012
		(E) l/h 2	321	630	797	1031	1502	2069	2758
		(E) l/h 1	301	594	657	769	1351	1558	2486
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E) kPa 6	13,2	-	-	-	-	-	-
		(E) kPa 5	12,7	17,9	12,7	9,2	-	36,9	-
		(E) kPa 4	11,9	16,6	11,4	8,6	16,6	33,5	24,8
		(E) kPa 3	11,5	16,1	9,2	7,9	15,2	29,6	22,8
		(E) kPa 2	10,5	15,1	7,7	5,7	12,7	20,5	19,6
		(E) kPa 1	9,4	13,6	5,5	3,4	10,5	12,4	16,3
70/60 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E) W 6	4710	-	-	-	-	-	
		(E) W 5	4610	8930	13640	17560	-	37220	-
		(E) W 4	4430	8560	12860	16900	22590	35230	40690
		(E) W 3	4350	8420	11380	16030	21520	32840	38850
		(E) W 2	4130	8110	10260	13300	19360	26640	35570
		(E) W 1	3880	7640	8450	9910	17410	20040	32050
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E) l/h 6	414	-	-	-	-	-	-
		(E) l/h 5	405	785	1199	1542	-	3269	-
		(E) l/h 4	390	752	1130	1484	1984	3095	3574
		(E) l/h 3	382	740	1000	1408	1890	2885	3413
		(E) l/h 2	362	712	901	1169	1702	2341	3124
		(E) l/h 1	341	671	742	870	1529	1760	2815
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caidas de presión lado agua	(E) kPa 6	16,1	-	-	-	-	-	-
		(E) kPa 5	15,5	21,8	15,5	11,3	-	45,0	-
		(E) kPa 4	14,5	20,3	13,9	10,6	20,3	40,8	30,3
		(E) kPa 3	14,0	19,7	11,2	9,6	18,6	36,1	27,9
		(E) kPa 2	12,7	18,4	9,4	6,9	15,5	25,0	23,9
		(E) kPa 1	11,4	16,6	6,7	4,1	12,8	15,1	19,9

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- The sound power level test has been performed according to EN 16583:2015 standard / Sound pressure level: 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / Supported power supply: ~230V / 1ph / 50-60Hz
- Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / Niveau de pression sonore: considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / Valeurs de tension admissibles: ~230V / 1ph / 50-60Hz
- Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / Schall-Druckpegel: Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / Unterstützte Stromversorgung: ~230V / 1ph / 50-60Hz
- La prueba de nivel acústico se realizó de acuerdo con la norma EN 16583:2015 / Nivel de presión sonora: se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / Valores de voltaje admisibles: ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

4 tubi - pipes - tubes Leiter - tubos		(4+2)R	scambiatore - coil - batterie Wärmetauscher - batería	1	2	3	4	5	6 (*)	7 (*)	
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h	6	499	-	-	-	-	-	-	
		m³/h	5	484	1025	1608	2129	-	4991	-	
		m³/h	4	459	966	1478	2014	2844	4598	5562	
		m³/h	3	447	944	1245	1868	2651	4144	5187	
		m³/h	2	369	894	1079	1437	2275	3062	4548	
		m³/h	1	344	824	829	963	1956	2059	3904	
Pressione statica Static pressure Pression statique Statischer Druck Presión estática	(E)	Pa	6	61	-	-	-	-	-	-	
		Pa	5	57	63	90	124	-	77	-	
		Pa	4	50	55	73	106	86	63	86	
		Pa	3	46	50	50	82	72	50	72	
		Pa	2	39	44	37	50	50	26	50	
		Pa	1	33	36	22	22	37	11	37	
UNITÀ ORIZZONTALE & VERTICALE / SINGOLA PANNELLATURA HORIZONTAL & VERTICAL UNIT / SINGLE SKIN UNITÉ HORIZONTALE & VERTICALE / SIMPLE PEAU HORIZONTAL & VERTICALES GERÄT / EINHEIT MIT EINFACHEM GEHÄUSE UNIDAD HORIZONTAL & VERTICAL / PANELES INDIVIDUALES	(E)	Livello di potenza sonora aspirazione + radiata / Sound power level inlet + radiated / Niveaux de puissance acoustique aspiration + rayonné / Schalleistungspegel Austritt und Abgestrahlt / Nivel de potencia acústica de admisión + resonancia	dB(A)	6	63	-	-	-	-	-	
			dB(A)	5	62	71	65	70	-	73	-
			dB(A)	4	60	68	63	68	72	72	76
			dB(A)	3	59	67	59	68	70	69	74
			dB(A)	2	56	67	55	62	67	61	70
			dB(A)	1	54	63	51	55	63	55	66
	(E)	Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schalleistungspegel Austritt Nivel de potencia sonora de salida	dB(A)	6	62	-	-	-	-	-	-
			dB(A)	5	61	67	69	74	-	76	-
			dB(A)	4	59	65	66	70	74	74	78
			dB(A)	3	58	64	60	68	71	70	75
			dB(A)	2	55	64	54	62	66	61	69
			dB(A)	1	52	60	50	56	62	55	65
UNITÀ ORIZZONTALE & VERTICALE / SINGOLA PANNELLATURA HORIZONTAL & VERTICAL UNIT / SINGLE SKIN UNITÉ HORIZONTALE & VERTICALE / SIMPLE PEAU HORIZONTAL & VERTICALES GERÄT / EINHEIT MIT EINFACHEM GEHÄUSE UNIDAD HORIZONTAL & VERTICAL / PANELES INDIVIDUALES	(E)	Livello di pressione sonora aspirazione + radiata / Sound pressure level inlet + radiated / Niveau de pression acoustique aspiration + rayonné / Schallleistungspegel Eintritt und Abgestrahlt / Nivel de presión sonora de admisión + resonancia	dB(A)	6	54	-	-	-	-	-	
			dB(A)	5	53	62	56	61	-	64	-
			dB(A)	4	51	59	54	59	63	63	67
			dB(A)	3	50	58	50	59	61	60	65
			dB(A)	2	47	58	46	53	58	52	61
			dB(A)	1	45	54	42	46	54	46	57
	(E)	Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schallleistungspegel Austritt Nivel de presión sonora de salida	dB(A)	6	53	-	-	-	-	-	-
			dB(A)	5	52	58	60	65	-	67	-
			dB(A)	4	50	56	57	61	65	65	69
			dB(A)	3	49	55	51	59	62	61	66
			dB(A)	2	46	55	45	53	57	52	60
			dB(A)	1	43	51	41	47	53	46	56
UNITÀ ORIZZONTALE & VERTICALE / SINGOLA PANNELLATURA HORIZONTAL & VERTICAL UNIT / SINGLE SKIN UNITÉ HORIZONTALE & VERTICALE / SIMPLE PEAU HORIZONTAL & VERTICALES GERÄT / EINHEIT MIT EINFACHEM GEHÄUSE UNIDAD HORIZONTAL & VERTICAL / PANELES INDIVIDUALES	(E)	Livello di potenza sonora aspirazione + radiata / Sound power level inlet + radiated / Niveaux de puissance acoustique aspiration + rayonné / Schalleistungspegel Austritt und Abgestrahlt / Nivel de potencia acústica de admisión + resonancia	dB(A)	6	62	-	-	-	-	-	
			dB(A)	5	61	70	64	69	-	72	-
			dB(A)	4	59	67	62	67	71	71	75
			dB(A)	3	58	66	58	65	69	68	73
			dB(A)	2	55	66	54	57	66	60	69
			dB(A)	1	53	62	50	54	62	54	65
	(E)	Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schalleistungspegel Austritt Nivel de potencia sonora de salida	dB(A)	6	61	-	-	-	-	-	-
			dB(A)	5	60	66	68	73	-	75	-
			dB(A)	4	58	64	65	69	73	73	77
			dB(A)	3	57	63	59	66	70	69	74
			dB(A)	2	54	63	53	58	65	60	68
			dB(A)	1	51	59	49	55	61	54	64
UNITÀ ORIZZONTALE & VERTICALE / SINGOLA PANNELLATURA HORIZONTAL & VERTICAL UNIT / SINGLE SKIN UNITÉ HORIZONTALE & VERTICALE / SIMPLE PEAU HORIZONTAL & VERTICALES GERÄT / EINHEIT MIT EINFACHEM GEHÄUSE UNIDAD HORIZONTAL & VERTICAL / PANELES INDIVIDUALES	(E)	Livello di pressione sonora aspirazione + radiata / Sound pressure level inlet + radiated / Niveau de pression acoustique aspiration + rayonné / Schallleistungspegel Eintritt und Abgestrahlt / Nivel de presión sonora de admisión + resonancia	dB(A)	6	53	-	-	-	-	-	
			dB(A)	5	52	61	55	60	-	63	-
			dB(A)	4	50	58	53	58	62	62	66
			dB(A)	3	49	57	49	56	60	59	64
			dB(A)	2	46	57	45	48	57	51	60
			dB(A)	1	44	53	41	45	53	45	56
	(E)	Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schallleistungspegel Austritt Nivel de presión sonora de salida	dB(A)	6	52	-	-	-	-	-	-
			dB(A)	5	51	57	59	64	-	66	-
			dB(A)	4	49	55	56	60	64	64	68
			dB(A)	3	48	54	50	57	61	60	65
			dB(A)	2	45	54	44	49	56	51	59
			dB(A)	1	42	50	40	46	52	45	55

* Unità non soggette a certificazione Eurovent per limiti di definizione - Units not subject to Eurovent certification due to definition limits - Unités non soumises à la certification Eurovent par limites de définition
Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

- Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la **normativa EN 16583:2015 / Livello di pressione sonora**: considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / **Valori tensione ammissibile**: ~230V / 1ph / 50-60Hz
- The sound power level test has been performed according to **EN 16583:2015 standard / Sound pressure level**: 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply**: ~230V / 1ph / 50-60Hz
- Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / **Niveau de pression sonore**: considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / **Valors de tension admissibles**: ~230V / 1ph / 50-60Hz
- Der Test zur Erfassung des Schalleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / **Schall-Druckpegel**: Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / **Unterstützte Stromversorgung**: ~230V / 1ph / 50-60Hz
- La prueba de nivel acústico se realizó de acuerdo con la **norma EN 16583:2015 / Nivel de presión sonora**: se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / **Valores de voltaje admissibles**: ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asíncrono			1	2	3	4	5	6 (*)	7 (*)
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	108	-	-	-	-	-	-
		W 5	94	162	252	463	-	1018	-
		W 4	82	149	224	389	596	860	1191
		W 3	78	144	195	346	529	762	1059
		W 2	73	138	174	270	461	561	922
		W 1	71	122	141	200	410	399	820
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 6	0,52	-	-	-	-	-	-
		A 5	0,45	0,78	1,22	2,24	-	4,92	-
		A 4	0,4	0,72	1,08	1,88	2,88	4,15	5,76
		A 3	0,38	0,70	0,94	1,67	2,56	3,68	5,11
		A 2	0,35	0,67	0,84	1,29	2,23	2,71	4,46
		A 1	0,34	0,58	0,68	0,95	1,98	1,93	3,96
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz						

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Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			1	2	3	4	5	6 (*)	7 (*)
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 6	75	-	-	-	-	-	-
		W 5	69	131	207	343	-	829	-
		W 4	58	109	156	305	490	632	1043
		W 3	53	99	95	240	379	458	790
		W 2	35	82	66	115	232	203	478
		W 1	29	64	37	45	158	87	309
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 6	0,65	-	-	-	-	-	-
		A 5	0,61	1,02	1,78	2,70	-	6,60	-
		A 4	0,51	0,84	1,16	1,75	2,59	3,81	5,57
		A 3	0,43	0,77	0,67	1,14	1,93	2,24	4,04
		A 2	0,26	0,66	0,48	0,56	1,05	0,93	2,16
		A 1	0,24	0,48	0,28	0,21	0,68	0,39	1,34
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)		V 6	7,4	-	-	-	-	-	-
		V 5	6,8	9,4	8,1	9,7	-	9,0	-
		V 4	5,9	8,2	7,1	8,2	7,3	7,5	7,5
		V 3	5,4	7,6	5,5	7,1	6,5	6,4	6,6
		V 2	3,8	6,7	4,5	4,6	5,2	4,1	5,2
		V 1	2,7	5,2	2,6	2,1	4,3	1,5	4,3
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz						

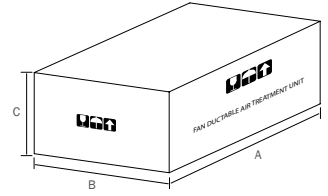
* Unità non soggette a certificazione Eurovent per limiti di definizione - Units not subject to Eurovent certification due to definition limits - Unités non soumises à la certification Eurovent par liôtes de définition
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velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Weights and packaging

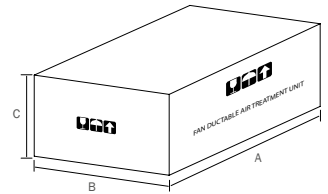
SINGLE SKIN UNIT

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	L x P [mm]	[n.] unità - units	[kg] tot.
	[mm] (AxBxC)	[kg]	[kg]			
MOD. H 1	840 x 673 x 307	29	31	1200 x 800	5	170
MOD. H 2	1140 x 673 x 307	40	42	1200 x 800	5	225
MOD. H 3	1340 x 673 x 357	51	53	1550 x 800	5	280
MOD. H 4	1490 x 800 x 382	65	67	1550 x 800	5	350
MOD. H 5	1590 x 800 x 407	76	78	1800 x 900	4	327
MOD. H 6	2260 x 800 x 390	133	133	2400 x 800	4	547
MOD. H 7	2260 x 800 x 410	141	141	2400 x 800	4	579

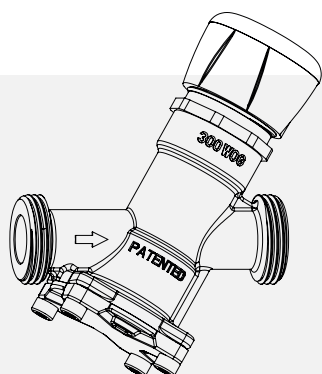


DOUBLE SKIN UNIT

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	L x P [mm]	[n.] unità - units	[kg] tot.
	[mm] (AxBxC)	[kg]	[kg]			
MOD. DS H 1	840 x 650 x 330	43	45	1200 x 800	5	240
MOD. DS H 2	1440 x 650 x 330	59	61	1200 x 800	5	320
MOD. DS H 3	1340 x 650 x 380	71	73	1550 x 800	5	380
MOD. DS H 4	1490 x 800 x 420	92	94	1550 x 800	5	485
MOD. DS H 5	1590 x 800 x 440	101	103	1800 x 900	4	427
MOD. DS H 6	2260 x 800 x 420	167	167	2400 x 800	4	683
MOD. DS H 7	2260 x 800 x 440	175	175	2400 x 800	4	715



Independent balancing valve



This type of valve combines two functions in a single valve, keeps the flow rate constant as the system pressure changes and at the same time regulates the flow according to the temperature, allowing perfect balancing of the hydraulic system, ensuring for each fan coil unit the desired water flow even under partial loads.

The adjustment can be performed automatically through the installation of a linear ON / OFF or modulating actuator.

Main advantages:

- Simplified selection
- Easy installation
- High valve authority which remains constant
- Constant flow rate as the differential pressure changes
- Optimized installation by measuring the set pressure
- Energy efficiency thanks to the low differential pressure required
- Maintenance of the set water flow even at partial loads
- Optimization of pump speed using pressure taps (optional)
- Preset locked by hooking

Valve performance technical data

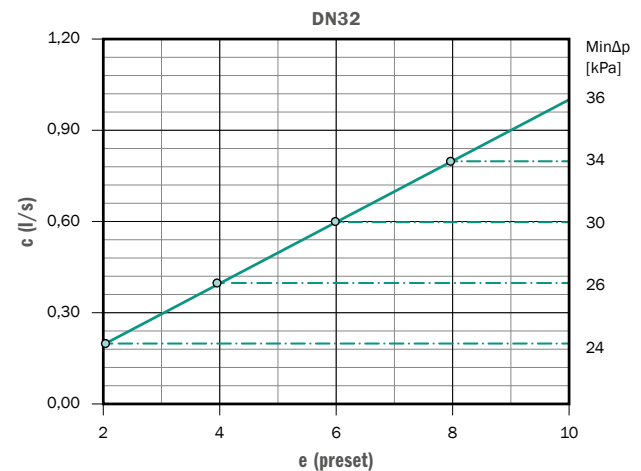
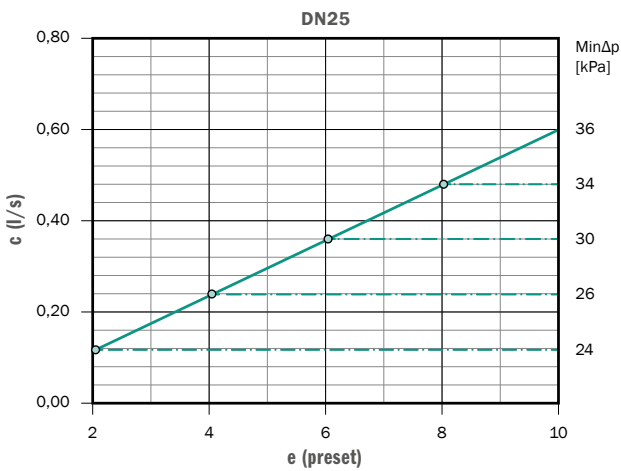
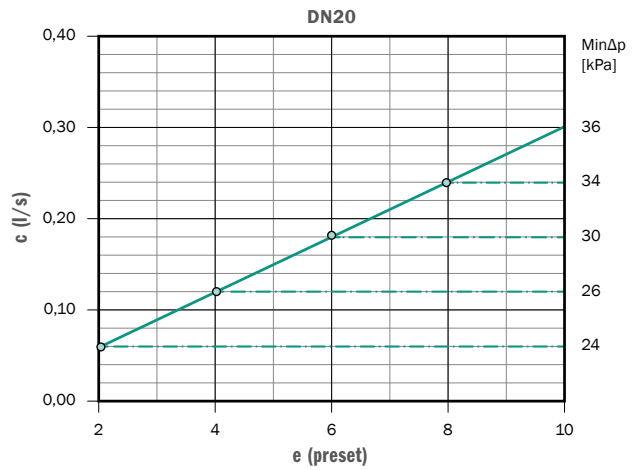
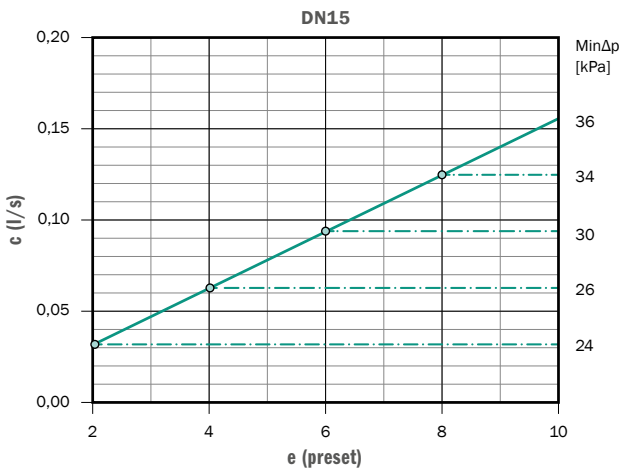
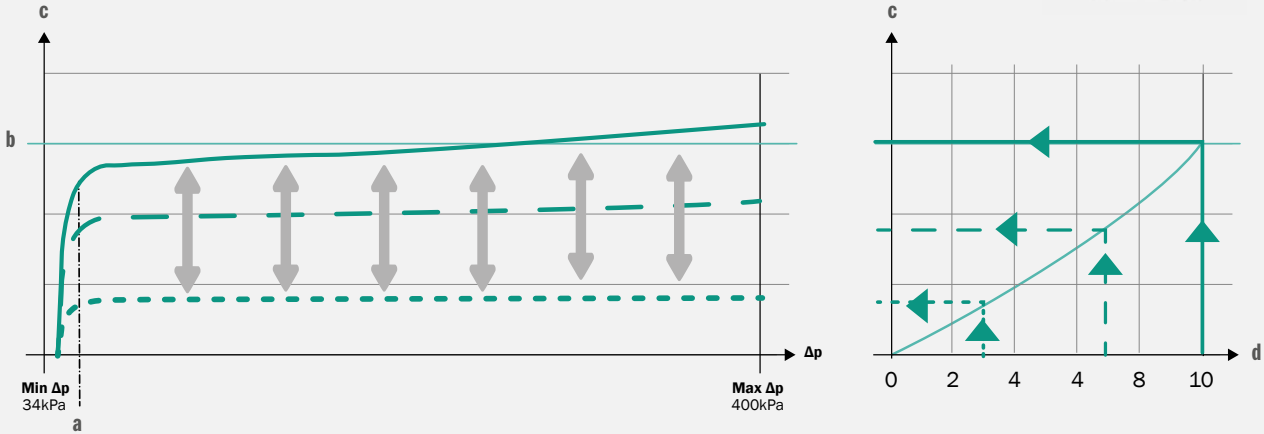
2 tubi - pipes - tubes Leiter - tubos			1	2	3	4	5	6	7
	DN		DN 15	DN 20	DN 25	DN 32	DN 32	-	-
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	1"	1"1/4	1"1/2	1"1/2	-	-
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,062-0,311	0,12-0,6	0,200-1,000	0,200-1,000	-	-
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,120	0,254	0,279	0,325	0,584	0,651	1,092
		max	0,151	0,312	0,476	0,621	0,794	1,291	1,472

For technical data related to size 6 and 7 please contact the sales department.

4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			1	2	3	4	5	6	7
	DN		DN 15	DN 20	DN 25	DN 25	DN 25	DN 32	DN 32
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	1"	1"1/4	1"1/4	1"1/4	1"1/2	1"1/2
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,062-0,311	0,12-0,6	0,12-0,6	0,12-0,6	0,200-1,000	0,200-1,000
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,084	0,165	0,183	0,214	0,375	0,433	0,691
		max	0,115	0,218	0,333	0,428	0,551	0,908	0,993

Presetting and nomograms

In accordance with the principles of dynamic balancing, presetting allows you to set the maximum flow rate of the valve, i.e. the flow rate which will be kept constant within the differential pressure range of use, with the valve fully open. The presetting affects the minimum differential pressure of use of the valve.



EOS | EOS-ECM

a	Funzione di prerogolazione / Preset function / Fonction de pré réglage / Voreingestellte Funktion / Función preestablecida
b	Portata prerogolata / Preset flow rate / Débit pré réglé / Voreingestellte Durchflussmenge / Caudal preestablecido
c (l/s)	Portata / Flow / Débit / Durchflussrate / Caudal
d	Segnale / Signal / Signal / Signal / Señal
e	Prerogolazione / Preset / Pré réglage / Voreinstellung / Preajuste

The new generation filtration system

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - EOS

Available for all 7 models.

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.

A healthy choice, responsible and aware

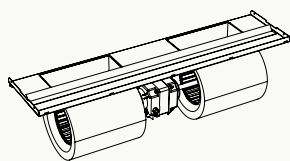
This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

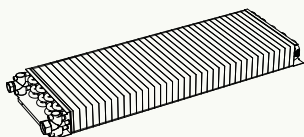
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



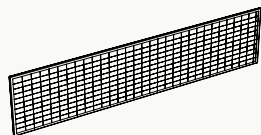
Fan section:

the version can be equipped with special motor with fail contact
On demand also motor with particular specifications.



Coils:

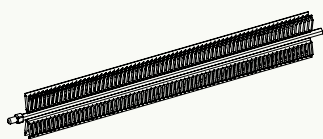
6-row coils for 2-pipe systems, or 2 rows for 4-pipe systems, R410A DX coil.
On request also special coils made with special materials or treatments for corrosive atmospheres or with technical precautions to be able to operate at special pressures.



Air filters

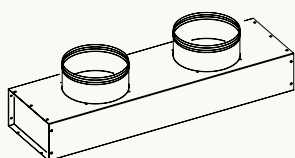
a wide range of optional filters are available with greater efficiencies including G3 * / EU3 ** 25 mm, G4 * / EU4 ** 48 mm or filter with aluminum mesh G1 * / EU1 ** 12 mm.

Also available is the innovative electronic filter that allows complete air purification and at the same time ensures high efficiency thanks to minimal pressure drops.



Section with electric heaters:

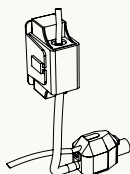
electric heater kit from 4500W a 19200W, equipped with safety thermostat, 400Vac/3Ph+N/50-60Hz.



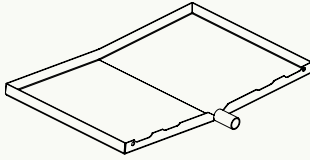
Plenum:

wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement.

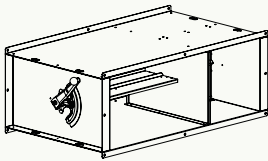
Fully customized plenums can also be made on request.



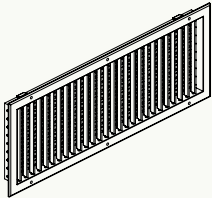
Auxiliary condensate drain pump



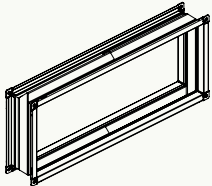
Auxiliary drain pan
hot painted galvanized steel



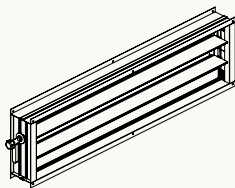
Air lower section
(primary air, max 33%), can also be equipped with servomotor for motorized opening.



Grills:
supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.
The grills can also be painted on request with the RAL color of your choice.



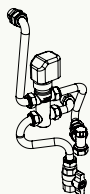
Antivibrating joint



Aluminium damper

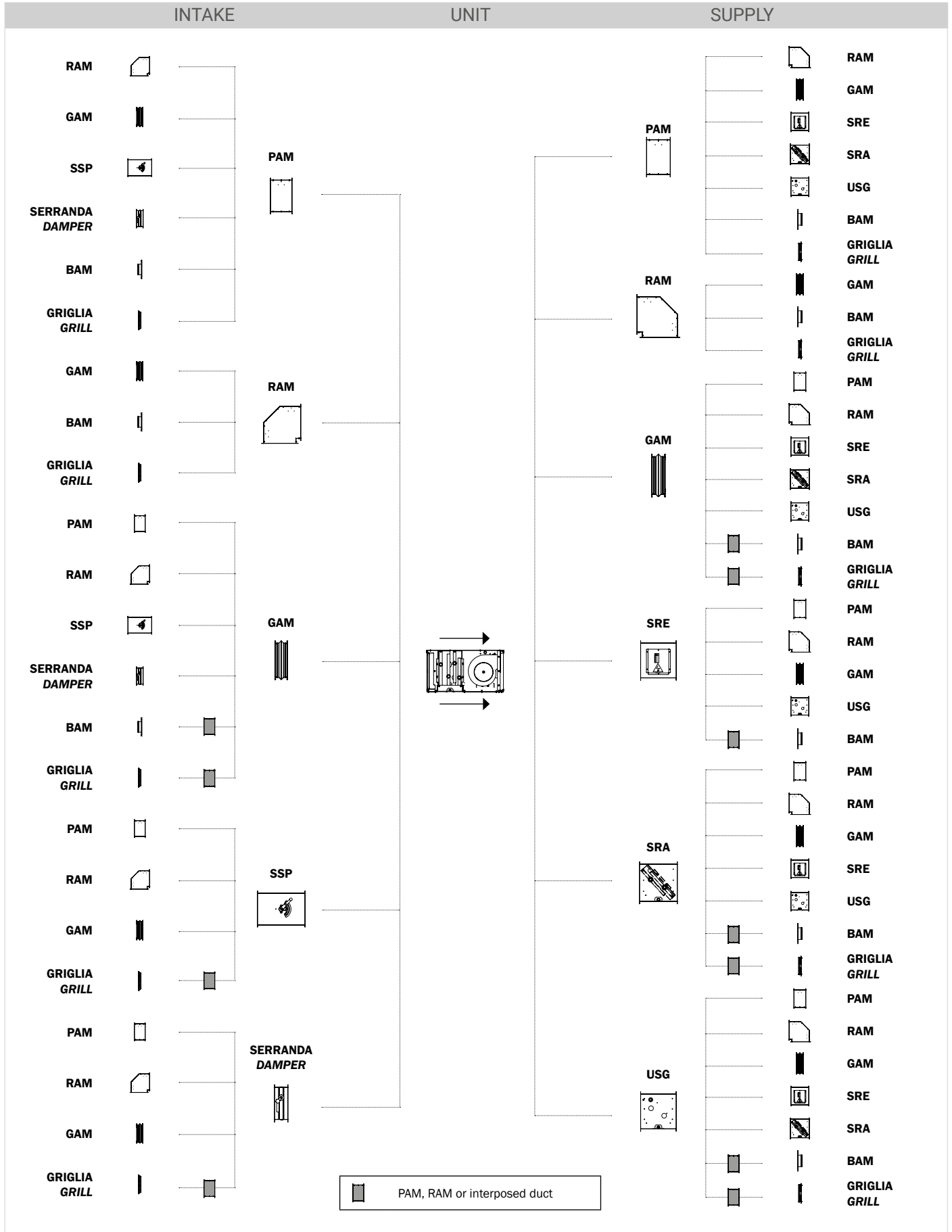


Control:
wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.

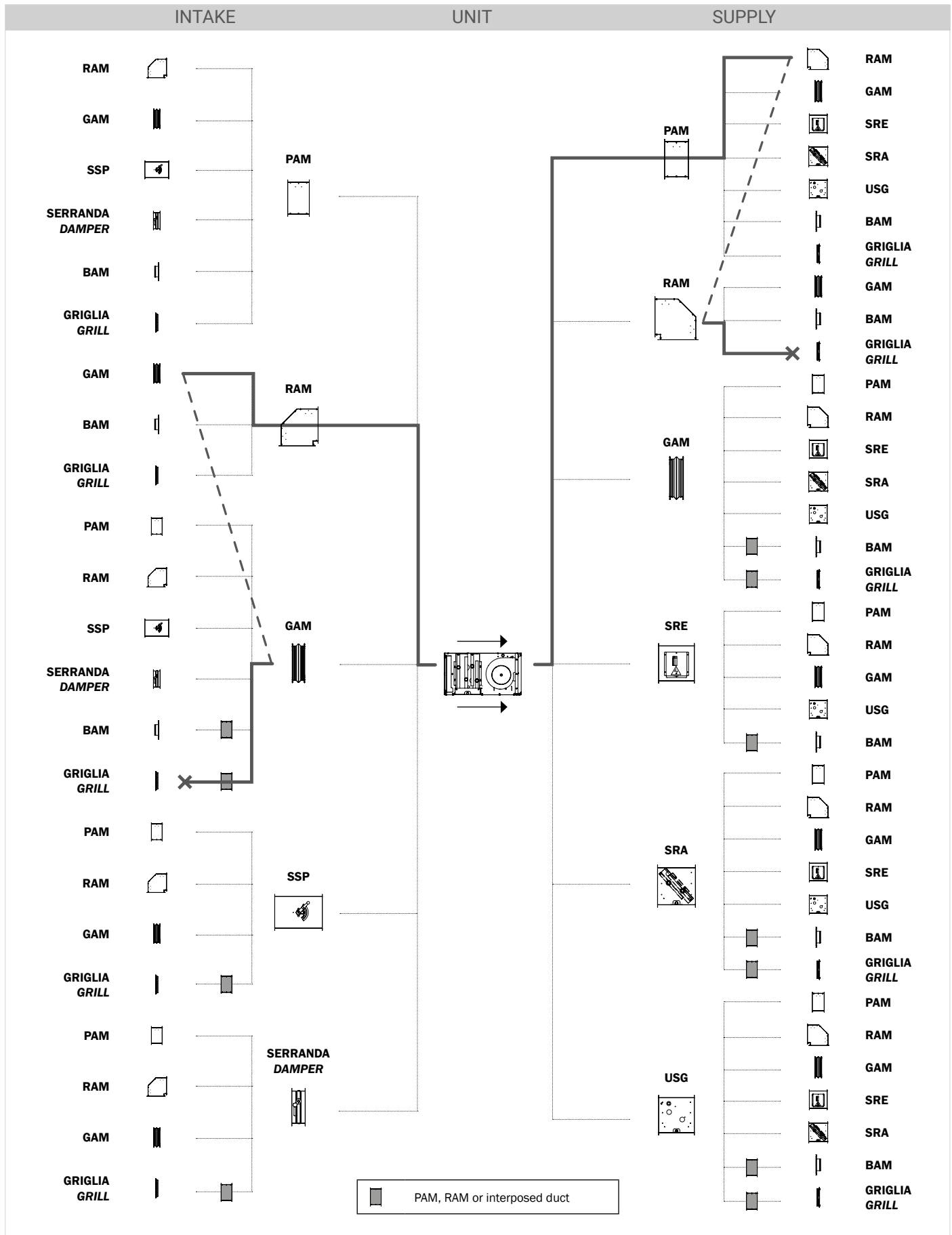


Valves:
wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.

Example of ducting accessories application



Example of ducting accessories application



EOS | EOS-ECM

Compatibility of controls

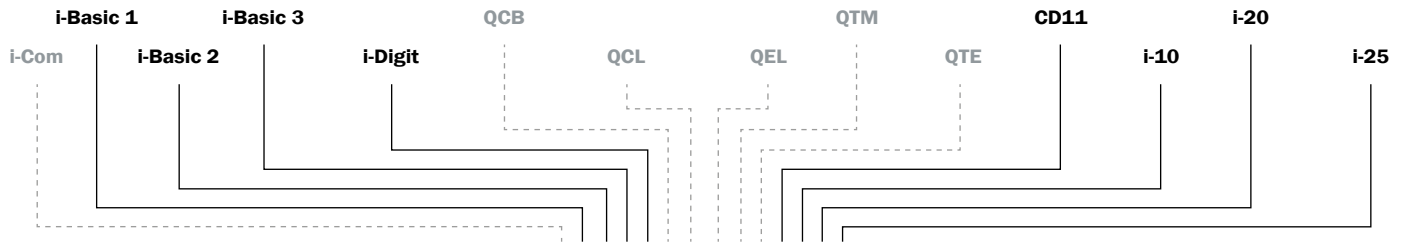
For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventiloconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

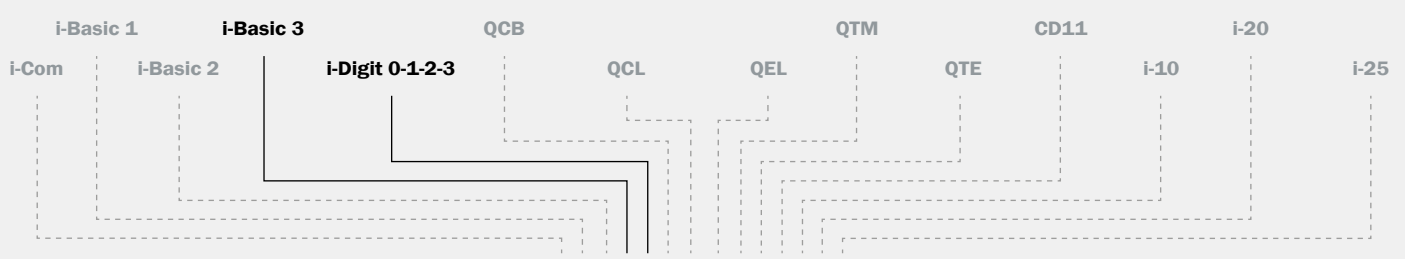
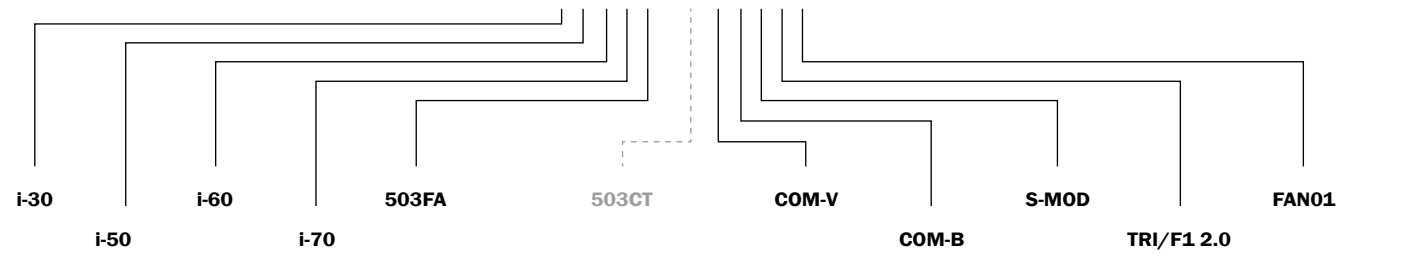
Compatibility of controls

Scheda di potenza per controllo a 3 velocità
 Power chart for 3-speed control
 Fiche de puissance pour contrôle à 3 vitesses
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten
 Tarjeta de alimentación para el control de 3 velocidades

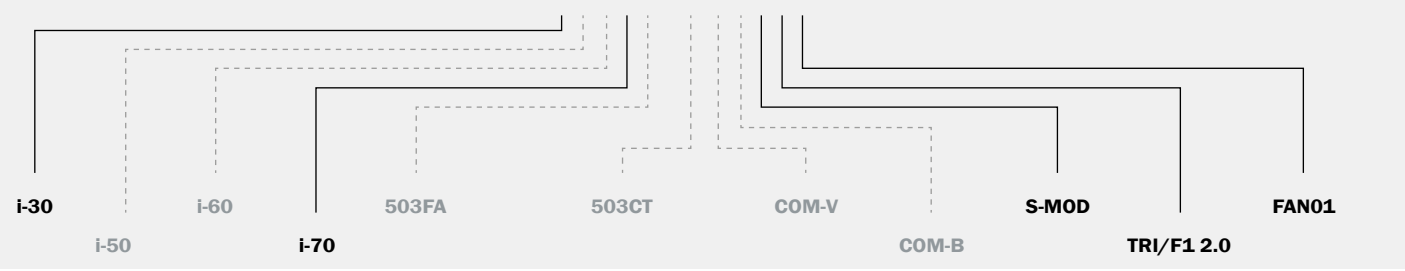
	i-Com	i-Basic 1	i-Basic 2	i-Basic 3	i-Digit 0-1-2-3	TRI/F1 2.0	CD11	i-10	i-20	i-25	i-30	i-50	i-60	i-70	503FA	503BUS+DIN5	S-MOD	FAN01
Mod. 1	-	-	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 2	-	-	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 3	-	○	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Mod. 5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Mod. 6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Mod. 7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●



EOS



EOS-ECM



- Compatible
Compatible
Compatible
Kompatibel
Compatible
- - - - - Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible
- Non necessaria
Not necessary
Non nécessaire
Nicht erforderlich
No Requerido
- Necessaria (inclusa di serie)
Necessary (included as standard)
Nécessaire (comprise de série)
Erforderlich (serienmäßig inbegriffen)
Requerido (incluido de serie)
- Necessaria (non inclusa)
Necessary (not included)
Nécessaire (non comprise)
Erforderlich (nicht inbegriffen)
Requerido (no incluido)

EOS | EOS+ECM

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

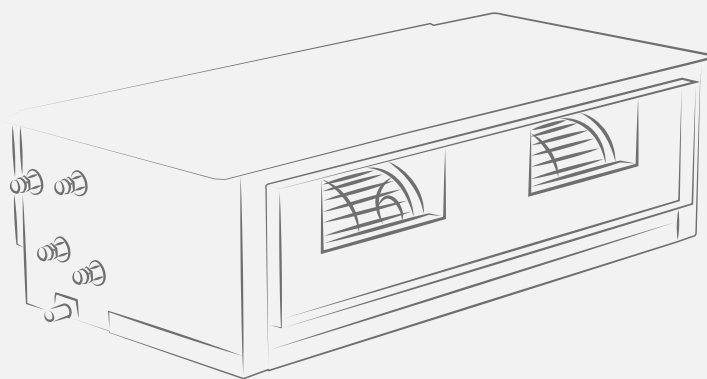
[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

FCC/FCV

FCC/FCV-ECM

Ductable air treatment unit



A GROUP S.p.A (Trademark EDEN)
participates in the ECP programme for FCU.
Check ongoing validity of certificate:
www.eurovent-certification.com

Flexibility and durability, for every type of need

 2.5 ÷ 42.0 kW
cooling

 2.9 ÷ 46.9 kW
heating

 50%
energy saving up to 50%

 491 - 7985 m³/h
air flow

FCC/FCV
FCC/FCV-ECM



Construction features



Structure:

single skin unit, made of Z200 hot-dip galvanized sheet steel 1 mm and 1.5 mm thick (size 60-70) insulated with thermo-acoustic mat class B-s2, d0 with closed cells, 6 mm thick.



Condensate drain pan

made of Z200 hot-dip galvanized steel sheet of 1 mm thickness, externally insulated with thermo-acoustic mattress with closed cell class B-s2, d0, 6 mm thick.



Air filter (optional):

air filter section kit always optional and not included, consisting of a renewable filter and metal frame for fixing to the unit.

Wide range of regenerable filters made of synthetic filtering fabric and galvanized steel frame with different efficiency classes including G3 * / EU3 **, G2 * / EU2 ** with activated carbon, G4 * / EU4 ** or filter with aluminum mesh class G1 * / EU1 **. The filters are 25 mm thick (size 10÷50) and 48 mm (size 60-70).

Also available the innovative electronic filter that allows a complete purification of the air and at the same time ensures high efficiencies thanks to minimum pressure losses. (* according to EN779 / ** according to Eurovent)



Fan section:

double inlet centrifugal fans with statically and dynamically balanced aluminum horizontal fans. Single-phase asynchronous electric motor with overload protection. Multiple rotation speeds (3 of which are connected). The motor is directly coupled to the fans and cushioned with elastic supports for the benefit of quietness. The ECM series is instead equipped with innovative Brushless ECM motors that guarantee precise and modular control of the air flow, limiting the energy supply to the actual workload required, without any waste.



Coils:

copper tube coils with continuous pack aluminum fins clamped on the tubes by mechanical expansion. Copper manifolds equipped with male gas threaded connections and easily accessible air vent valves. Hydraulic connections positioned on the left (looking at the delivery of the unit air), on request they can be supplied on the right. The exchanger is not suitable for use in corrosive atmospheres.

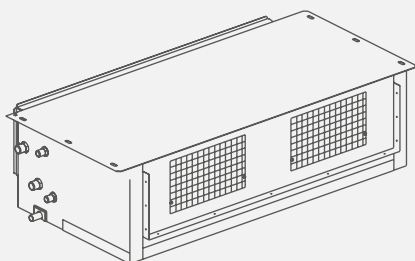
Flexibility and durability, for every type of need

The ductable air handling units are available in 4 construction versions, 7 power sizes, in the horizontal or vertical version and with air flow rates ranging from 480 to 8,000 m³ / h, thermal outputs from 2.8 to 56 kW and cooling capacities from 2.5 to 42 kW.

The units are particularly suitable for use in small and medium rooms for civil, commercial or industrial applications. The modularity of the basic components makes the units suitable for typical installation in false ceilings.

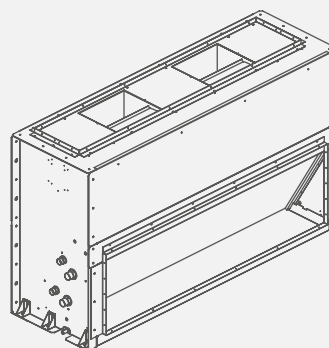
Versions	
FCC	horizontal installation, asynchronous motor
FCC-ECM	horizontal installation, ECM motor
FCV	vertical installation, asynchronous motor
FCV-ECM	vertical installation, ECM motor

FCC / FCC-ECM



Horizontal installation

FCV / FCV-ECM



Vertical installation

2 tubi - pipes - tubes Leiter - tubos			3R scambiatore - coil - batterie Wärmetauscher - batería					4R				
			10	20	30	40	50	60 (*)	70 (*)			
7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W 7	-	5063	-	-	-	-	-	-	
			W 6	-	5040	-	-	-	-	-	-	-
			W 5	-	4974	-	-	-	-	-	-	-
			W 4	2735	4711	-	-	-	-	-	-	-
			W 3	2714	4412	6936	8277	10850	23488	42068	-	-
			W 2	2683	4084	6797	8066	9764	21629	39655	-	-
	W 1	2543	3678	6536	7596	8081	19816	35610	-	-		
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W 7	-	3753	-	-	-	-	-	-	
			W 6	-	3740	-	-	-	-	-	-	
			W 5	-	3684	-	-	-	-	-	-	
			W 4	2025	3471	-	-	-	-	-	-	-
			W 3	2014	3232	5216	6187	8250	16918	30788	-	-
			W 2	1983	2964	5107	6016	7334	15469	28875	-	-
	W 1	1873	2648	4856	5626	5971	14096	25670	-	-		
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	892	-	-	-	-	-	-	
l/h 6			-	887	-	-	-	-	-	-		
l/h 5			-	875	-	-	-	-	-	-		
l/h 4			487	828	-	-	-	-	-	-	-	
l/h 3			484	777	1225	1459	1936	4200	7550	-	-	
l/h 2			479	720	1197	1418	1736	3858	7081	-	-	
l/h 1	454	650	1143	1336	1438	3517	6352	-	-			
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	25,4	-	-	-	-	-	-		
		kPa 6	-	25,1	-	-	-	-	-	-		
		kPa 5	-	24,5	-	-	-	-	-	-		
		kPa 4	13,5	22,2	-	-	-	-	-	-	-	
		kPa 3	13,4	19,9	28,3	27,7	23,9	34,4	36,4	-	-	
		kPa 2	13,1	17,4	27,2	26,3	19,7	29,6	32,5	-	-	
kPa 1	12,0	14,5	25,0	23,7	14,1	25,1	26,9	-	-			
45/40 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 7	-	5490	-	-	-	-	-	-	
			W 6	-	5450	-	-	-	-	-	-	-
			W 5	-	5370	-	-	-	-	-	-	-
			W 4	3080	5060	-	-	-	-	-	-	-
			W 3	3060	4720	7660	9040	12430	25450	46880	-	-
			W 2	3030	4350	7470	8760	11010	23210	43630	-	-
	W 1	2860	3900	7100	8210	8960	20970	38670	-	-		
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	956	-	-	-	-	-	-	
			l/h 6	-	950	-	-	-	-	-	-	
			l/h 5	-	936	-	-	-	-	-	-	
			l/h 4	537	881	-	-	-	-	-	-	-
			l/h 3	534	822	1335	1575	2165	4433	8166	-	-
			l/h 2	527	758	1301	1526	1918	4042	7604	-	-
	l/h 1	498	679	1237	1430	1562	3652	6736	-	-		
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	23,6	-	-	-	-	-	-	
kPa 6			-	23,3	-	-	-	-	-	-		
kPa 5			-	22,7	-	-	-	-	-	-		
kPa 4			13,2	20,5	-	-	-	-	-	-	-	
kPa 3			13,1	18,1	27,1	26,1	24,0	31,1	34,5	-	-	
kPa 2			12,8	15,7	25,9	24,7	19,4	26,5	30,4	-	-	
kPa 1	11,6	12,9	23,7	22,0	13,5	22,1	24,5	-	-			
Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 7	-	6540	-	-	-	-	-	-		
		W 6	-	6500	-	-	-	-	-	-		
		W 5	-	6410	-	-	-	-	-	-		
		W 4	3660	6030	-	-	-	-	-	-	-	
		W 3	3640	5640	9120	10770	14730	30440	55840	-	-	
		W 2	3600	5200	8890	10440	13070	27750	52020	-	-	
W 1	3400	4660	8450	9790	10670	25100	46190	-	-			
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	892	-	-	-	-	-	-		
		l/h 6	-	887	-	-	-	-	-	-		
		l/h 5	-	875	-	-	-	-	-	-		
		l/h 4	487	828	-	-	-	-	-	-	-	
		l/h 3	484	777	1225	1459	1936	4200	7550	-	-	
		l/h 2	479	720	1197	1418	1736	3858	7081	-	-	
l/h 1	454	650	1143	1336	1438	3517	6352	-	-			
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	20,7	-	-	-	-	-	-		
		kPa 6	-	20,4	-	-	-	-	-	-		
		kPa 5	-	20,0	-	-	-	-	-	-		
		kPa 4	11,0	18,1	-	-	-	-	-	-	-	
		kPa 3	10,9	16,2	23,1	22,5	19,4	28,0	29,7	-	-	
		kPa 2	10,7	14,2	22,1	21,4	16,0	24,1	26,5	-	-	
kPa 1	9,7	11,8	20,4	19,3	11,5	20,5	21,9	-	-			

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2 tubi - pipes - tubes Leiter - tubos			3R scambiatore - coil - batterie Wärmetauscher - batería					4R	
			10	20	30	40	50	60 (*)	70 (*)
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h 7	-	970	-	-	-	-	-
		m³/h 6	-	962	-	-	-	-	-
		m³/h 5	-	944	-	-	-	-	-
		m³/h 4	541	873	-	-	-	-	-
		m³/h 3	536	800	1419	1641	2401	4134	7985
		m³/h 2	528	721	1371	1575	2041	3676	7279
Pressione statica Static pressure Pression statique Statischer Druck Presión estática	(E)	m³/h 1	491	629	1282	1446	1560	3242	6246
		Pa 7	-	64	-	-	-	-	-
		Pa 6	-	62	-	-	-	-	-
		Pa 5	-	59	-	-	-	-	-
		Pa 4	54	50	-	-	-	-	-
		Pa 3	52	42	55	56	70	122	121
Livello di potenza sonora aspirazione + radiata Sound power level inlet + radiated Niveaux de puissance acoustique aspiration + rayonné Schallleistungspegel Austritt und Abgestrahlt Nivel de potencia acústica de admisión + resonancia	(E)	Pa 2	50	34	50	50	50	100	100
		Pa 1	44	26	44	42	29	76	77
		dB(A) 7	-	65	-	-	-	-	-
		dB(A) 6	-	64	-	-	-	-	-
		dB(A) 5	-	63	-	-	-	-	-
		dB(A) 4	58	62	-	-	-	-	-
Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schallleistungspegel Austritt Nivel de potencia sonora de salida	(E)	dB(A) 3	57	61	63	65	67	70	72
		dB(A) 2	57	59	62	64	68	66	67
		dB(A) 1	56	57	60	62	62	61	62
		dB(A) 7	-	65	-	-	-	-	-
		dB(A) 6	-	64	-	-	-	-	-
		dB(A) 5	-	64	-	-	-	-	-
Livello di pressione sonora aspirazione + radiata Sound pressure level inlet + radiated Niveau de pression acoustique aspiration + rayonné Schalldruckpegel Eintritt und Abgestrahlt Nivel de presión sonora de admisión + resonancia	(E)	dB(A) 4	61	60	-	-	-	-	
		dB(A) 3	61	58	66	66	66	74	75
		dB(A) 2	60	56	65	65	67	69	70
		dB(A) 1	58	55	62	63	63	64	65
		dB(A) 7	-	56	-	-	-	-	-
		dB(A) 6	-	55	-	-	-	-	-
Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schalldruckpegel Austritt Nivel de presión sonora de salida	(E)	dB(A) 5	-	54	-	-	-	-	
		dB(A) 4	49	53	-	-	-	-	
		dB(A) 3	48	52	54	56	58	61	63
		dB(A) 2	48	50	53	55	59	57	58
		dB(A) 1	47	48	51	53	53	52	53
		dB(A) 7	-	56	-	-	-	-	-
Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schalldruckpegel Austritt Nivel de presión sonora de salida	(E)	dB(A) 6	-	55	-	-	-	-	
		dB(A) 5	-	55	-	-	-	-	
		dB(A) 4	52	51	-	-	-	-	
		dB(A) 3	52	49	57	57	57	65	66
		dB(A) 2	51	47	56	56	58	60	61
		dB(A) 1	49	46	53	54	54	55	56

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4 tubi - pipes - tubes Leiter - tubos			(3+1)R scambiatore - coil - batterie Wärmetauscher - batería					(4+2)R			
			10	20	30	40	50	60 (*)	70 (*)		
7/12 °C 27 °C d.b. 19 °C w.b.	Potenza frigorifera totale Total cooling capacity Puissance frigorifique totale Kälteleistung gesamt Potencia frigorífica total	(E)	W 7	-	4943	-	-	-	-	-	
			W 6	-	4920	-	-	-	-	-	
			W 5	-	4854	-	-	-	-	-	
			W 4	2665	4631	-	-	-	-	-	
			W 3	2654	4362	6776	8117	10650	22958	40818	
			W 2	2623	4044	6657	7926	9644	21409	38985	
	W 1	2493	3658	6376	7506	8031	19636	35350			
	Potenza frigorifera sensibile Sensible cooling capacity Puissance frigorifique sensible Sensible Kälteleistung Potencia frigorífica total sensible	(E)	W 7	-	3653	-	-	-	-	-	
			W 6	-	3640	-	-	-	-	-	
			W 5	-	3584	-	-	-	-	-	
			W 4	1975	3411	-	-	-	-	-	
			W 3	1964	3192	5076	6047	8080	16498	29758	
			W 2	1933	2944	4987	5906	7244	15299	28335	
	W 1	1833	2638	4756	6016	5931	13956	25470			
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	871	-	-	-	-	-	
l/h 6			-	866	-	-	-	-	-		
l/h 5			-	855	-	-	-	-	-		
l/h 4			475	815	-	-	-	-	-		
l/h 3			473	768	1198	1431	1900	4109	7335		
l/h 2			468	714	1172	1394	1718	3820	6966		
l/h 1	446	647	1123	1320	1430	3487	6308				
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	24,3	-	-	-	-	-		
		kPa 6	-	24,1	-	-	-	-	-		
		kPa 5	-	23,5	-	-	-	-	-		
		kPa 4	13,0	21,6	-	-	-	-	-		
		kPa 3	12,8	19,5	27,2	26,7	23,1	33,1	34,6		
		kPa 2	12,6	17,1	26,2	25,5	19,3	29,1	31,6		
kPa 1	11,6	14,4	24,3	23,2	14,0	24,8	26,5				
65/55 °C 20 °C	Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 7	-	4440	-	-	-	-	-	
			W 6	-	4420	-	-	-	-	-	-
			W 5	-	4360	-	-	-	-	-	-
			W 4	2560	4180	-	-	-	-	-	-
			W 3	2550	3960	6130	7240	9810	29570	52860	
			W 2	2530	3710	6010	7070	8930	27580	50280	
	W 1	2420	3400	5770	6730	7560	25290	45700			
	Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	389	-	-	-	-	-	
			l/h 6	-	387	-	-	-	-	-	
			l/h 5	-	383	-	-	-	-	-	
			l/h 4	225	366	-	-	-	-	-	
			l/h 3	224	347	537	635	860	2593	4634	
			l/h 2	222	326	526	619	783	2418	4408	
	l/h 1	212	298	506	590	663	2217	4006			
	Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	10,0	-	-	-	-	-	
kPa 6			-	9,9	-	-	-	-	-		
kPa 5			-	9,7	-	-	-	-	-		
kPa 4			18,3	9,0	-	-	-	-	-		
kPa 3			18,2	8,2	21,0	10,8	21,7	20,8	22,3		
kPa 2			17,9	7,3	20,3	10,4	18,4	18,0	20,4		
kPa 1	16,6	6,3	18,9	9,5	13,7	15,5	17,3				
Potenza termica Heating capacity Puissance thermique Heizleistung Energía térmica	(E)	W 7	-	5030	-	-	-	-	-		
		W 6	-	5000	-	-	-	-	-		
		W 5	-	4940	-	-	-	-	-		
		W 4	2900	4730	-	-	-	-	-		
		W 3	2890	4490	6930	8200	11110	33410	59740		
		W 2	2860	4210	6800	8010	10110	31150	56820		
W 1	2740	3850	6530	7620	8560	28560	51630				
Portata acqua Water flow Débit d'eau Wassermenge Flujo de agua	(E)	l/h 7	-	442	-	-	-	-	-		
		l/h 6	-	439	-	-	-	-	-		
		l/h 5	-	434	-	-	-	-	-		
		l/h 4	255	416	-	-	-	-	-		
		l/h 3	253	394	609	720	976	2935	5247		
		l/h 2	251	369	597	703	888	2737	4990		
l/h 1	240	338	574	670	752	1509	4536				
Perdite di carico lato acqua Water pressure drop Pertes charge côté eau Wasserseitiger Druckverlust Caídas de presión lado agua	(E)	kPa 7	-	12,3	-	-	-	-	-		
		kPa 6	-	12,2	-	-	-	-	-		
		kPa 5	-	11,9	-	-	-	-	-		
		kPa 4	22,4	11,0	-	-	-	-	-		
		kPa 3	22,2	10,0	25,7	13,3	26,6	24,9	27,2		
		kPa 2	21,9	8,9	24,8	12,7	22,6	22,0	24,9		
kPa 1	20,2	7,7	23,2	11,7	16,8	18,9	21,1				

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			10	20	30	40	50	60 (*)	70 (*)
Portata aria Air flow Débit d'air Luftstrom Flujo de aire	(E)	m³/h 7	-	939	-	-	-	-	-
		m³/h 6	-	932	-	-	-	-	-
		m³/h 5	-	914	-	-	-	-	-
		m³/h 4	523	855	-	-	-	-	-
		m³/h 3	519	787	1372	1595	2335	4009	7657
		m³/h 2	512	713	1330	1536	2010	3627	7112
		m³/h 1	478	625	1249	1422	1547	3206	6186
Pressione statica Static pressure Pression statique Statischer Druck Presión estática	(E)	Pa 7	-	64	-	-	-	-	-
		Pa 6	-	62	-	-	-	-	-
		Pa 5	-	59	-	-	-	-	-
		Pa 4	54	50	-	-	-	-	-
		Pa 3	52	42	55	56	70	122	121
		Pa 2	50	34	50	50	50	100	100
		Pa 1	44	26	44	42	29	76	77
Livello di potenza sonora aspirazione + radiata Sound power level inlet + radiated Niveaux de puissance acoustique aspiration + rayonné Schallleistungspegel Austritt und Abgestrahlt Nivel de potencia acústica de admisión + resonancia	(E)	dB(A) 7	-	64	-	-	-	-	-
		dB(A) 6	-	63	-	-	-	-	-
		dB(A) 5	-	62	-	-	-	-	-
		dB(A) 4	58	60	-	-	-	-	-
		dB(A) 3	57	59	63	65	67	70	72
		dB(A) 2	57	57	62	64	68	66	67
		dB(A) 1	56	56	60	62	62	61	62
Livello di potenza sonora mandata Sound power level outlet Niveaux de puissance acoustique soufflage Schallleistungspegel Austritt Nivel de potencia sonora de salida	(E)	dB(A) 7	-	63	-	-	-	-	-
		dB(A) 6	-	62	-	-	-	-	-
		dB(A) 5	-	61	-	-	-	-	-
		dB(A) 4	61	60	-	-	-	-	-
		dB(A) 3	61	58	66	66	66	74	75
		dB(A) 2	60	56	65	65	67	69	70
		dB(A) 1	58	55	62	63	63	64	65
Livello di pressione sonora aspirazione + radiata Sound pressure level inlet + radiated Niveau de pression acoustique aspiration + rayonné Schalldruckpegel Eintritt und Abgestrahlt Nivel de presión sonora de admisión + resonancia	(E)	dB(A) 7	-	55	-	-	-	-	-
		dB(A) 6	-	54	-	-	-	-	-
		dB(A) 5	-	53	-	-	-	-	-
		dB(A) 4	49	51	-	-	-	-	-
		dB(A) 3	48	50	54	56	58	61	63
		dB(A) 2	48	48	53	55	59	57	58
		dB(A) 1	47	47	51	53	53	52	53
Livello di pressione sonora mandata Sound pressure level outlet Niveau de pression acoustique soufflage Schalldruckpegel Austritt Nivel de presión sonora de salida	(E)	dB(A) 7	-	54	-	-	-	-	-
		dB(A) 6	-	53	-	-	-	-	-
		dB(A) 5	-	52	-	-	-	-	-
		dB(A) 4	52	51	-	-	-	-	-
		dB(A) 3	52	49	57	57	57	65	66
		dB(A) 2	51	47	56	56	58	60	61
		dB(A) 1	49	46	53	54	54	55	56

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Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

- Il test per la rilevazione del livello di potenza sonora è stato eseguito in accordo con la normativa EN 16583:2015 / Livello di pressione sonora: considerata 8,6 dB(A) inferiore rispetto alla potenza sonora in una stanza di 90 m³ con un tempo di riverbero di 0,5 sec. / Valori tensione ammissibile: ~230V / 1ph / 50-60Hz
- The sound power level test has been performed according to EN 16583:2015 standard / Sound pressure level: 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / Supported power supply: ~230V / 1ph / 50-60Hz
- Le test de détection du niveau de puissance acoustique a été réalisé conformément à la norme EN 16583: 2015 / Niveau de pression sonore: considéré de 8,6 dB(A) plus faible que le niveau de puissance acoustique d'une pièce de 90 m³, avec un temps de réverbération de 0,5 sec. / Valeurs de tension admissibles: ~230V / 1ph / 50-60Hz
- Der Test zur Erfassung des Schallleistungspegels wurde gemäß der Norm EN 16583: 2015 durchgeführt / Schalldruckpegel: Schall-Druckpegel: 8,6 dB (A) unter dem Schalldruck in einem Raum von 90 m³ mit einer Nachhallzeit von 0,5 s. / Unterstützte Stromversorgung: ~230V / 1ph / 50-60Hz
- La prueba de nivel acústico se realizó de acuerdo con la norma EN 16583:2015 / Nivel de presión sonora: se considera 8,6 dB (A) inferior a la potencia acústica en una sala de 90 m³ con un tiempo de reverberación de 0,5 seg. / Valores de voltaje admisibles: ~230V / 1ph / 50-60Hz

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono			10	20	30	40	50	60 (*)	70 (*)
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 7	-	137	-	-	-	-	-
		W 6	-	130	-	-	-	-	-
		W 5	-	126	-	-	-	-	-
		W 4	105	119	-	-	-	-	-
		W 3	106	118	204	265	430	992	1932
		W 2	107	116	173	236	366	861	1615
		W 1	107	112	164	216	299	684	1410
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 7	-	0,64	-	-	-	-	-
		A 6	-	0,63	-	-	-	-	-
		A 5	-	0,59	-	-	-	-	-
		A 4	0,51	0,55	-	-	-	-	-
		A 3	0,51	0,54	1,12	1,36	1,90	4,52	9,00
		A 2	0,51	0,54	0,87	1,14	1,67	3,95	7,90
		A 1	0,49	0,52	0,79	1,07	1,45	3,25	6,50
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz						

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Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM			10	20	30	40	50	60 (*)	70 (*)
Potenza assorbita dal motore del ventilatore Motor fan absorbed power Puissance absorbée par le moteur de ventilateur Vom Lüftermotor aufgenommene Leistung Potencia absorbida por el motor del ventilador	(E)	W 7	-	118	-	-	-	-	-
		W 6	-	113	-	-	-	-	-
		W 5	-	112	-	-	-	-	-
		W 4	81	92	-	-	-	-	-
		W 3	78	74	161	172	345	656	1285
		W 2	75	58	145	151	224	475	990
		W 1	63	43	124	122	117	336	673
Corrente assorbita dal motore del ventilatore Motor fan absorbed current Courant absorbé par le moteur du ventilateur Vom Lüftermotor aufgenommener Strom Corriente absorbida por el motor del ventilador		A 7	-	0,99	-	-	-	-	-
		A 6	-	0,98	-	-	-	-	-
		A 5	-	0,97	-	-	-	-	-
		A 4	0,66	0,78	-	-	-	-	-
		A 3	0,61	0,60	1,26	1,22	1,92	2,81	5,52
		A 2	0,58	0,47	1,19	1,04	1,07	2,05	4,26
		A 1	0,48	0,35	1,01	0,88	0,54	1,46	2,93
Tensione di controllo velocità (Vcc) Speed control voltage (Vdc) Tension de contrôle de vitesse (Vcc) Drehzahlregelspannung (Vcc) Voltaje de control de velocidad (Vcc)		V 7	-	8,80	-	-	-	-	-
		V 6	-	8,70	-	-	-	-	-
		V 5	-	8,50	-	-	-	-	-
		V 4	8,70	7,20	-	-	-	-	-
		V 3	8,50	6,00	6,80	6,20	7,20	5,70	5,40
		V 2	8,30	4,80	6,20	5,40	5,90	4,30	4,30
		V 1	7,40	3,00	5,60	4,50	4,40	3,20	3,20
Tensione di alimentazione Power supply Tension d'alimentation Stromversorgung Tensión de alimentación			~230V / 1ph / 50-60Hz						

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Geräte, die aufgrund von Definitionsgrenzen nicht der Eurovent-Zertifizierung unterliegen - Unidades no sujetas a certificación Eurovent debido a criterios de medida

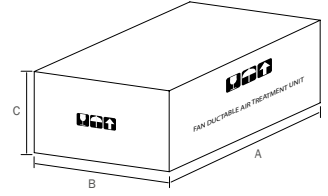
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent



Weights and packaging

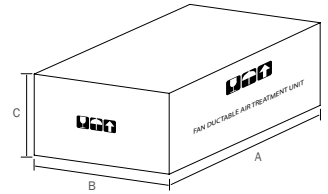
FCC

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	L x P [mm]	[n.] unità - units	[kg] tot.
	[mm] (AxBxC)	[kg]	[kg]			
MOD. 10	800 x 640 x 320	24,5	26,0	1300 x 800	10	275
MOD. 20	1210 x 640 x 320	32,5	35,5	1200 x 800	5	192,5
MOD. 30	1310 x 640 x 350	38,0	41,0	1300 x 800	5	220
MOD. 40	1530 x 640 x 350	43,5	46,5	1550 x 800	5	247,5
MOD. 50	1530 x 640 x 400	58,5	61,5	1550 x 800	5	322,5
MOD. 60	1530 x 920 x 700	118,5	118,5	1500 x 1000	2	252
MOD. 70	2200 x 920 x 700	184,0	184,0	2200 x 1000	2	383



FCV

	dimensioni	peso netto	peso lordo	bancale		
	dimension	net weight	gross weight	L x P [mm]	[n.] unità - units	[kg] tot.
	[mm] (AxBxC)	[kg]	[kg]			
MOD. 10	800 x 640 x 340	26,5	28	1300 x 800	10	295
MOD. 20	1210 x 640 x 340	35	38	1200 x 800	5	205
MOD. 30	1310 x 640 x 360	40,5	43,5	1300 x 800	5	232,5
MOD. 40	1530 x 640 x 360	46	49	1550 x 800	4	211
MOD. 50	1530 x 640 x 400	55,5	58,5	1550 x 800	4	249
MOD. 60	1530 x 920 x 750	117	117	1500 x 800	1	132
MOD. 70	2200 x 920 x 750	192	192	2200 x 1000	1	207



FCC

Unità orizzontale / Horizontal unit Unité horizontale / Horizontales gerät / Unidad horizontal			10	20	30	40	50	60	70
Ventilatori-Motori / Fans-Motors / Ventilateur-Moteurs Ventilatoren-Motoren / Ventiladores-Motores	No.		1-1	2-1	2-1	2-1	2-1	1-1	2-2
Batteria standard Standard coil	Ranghi / Rows / Rangs Rohrreihen / Rangos	No.	3	3	3	3	3	4	4
Batteria standard Standardwärmetauscher Bateria estándar	Attacchi / Fittings Raccords / Anschlüsse Conexiones	Ø	1/2"	3/4"	3/4"	3/4"	1"	1" 1/4	1" 1/2
1/4 Batteria ausiliaria 1/4 Auxiliary coil	Ranghi / Rows / Rangs Rohrreihen / Rangos	No.	1	1	1	1	1	2	2
1/4 Batteria ausiliaria 1/4 Zusatzwärmetauscher 1/4 Bateria auxiliar	Attacchi / Fittings Raccords / Anschlüsse Conexiones	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1" 1/4
Attacco scarico condensa Condensate drain fitting Raccord évaquation condensats Kondensatablaufanschluss Conexión de drenaje de condensado		Ø mm	20	20	20	20	20	20	20
Altezza / Height / Hauteur / Höhe / Altura	H	mm	300	300	325	325	375	675	675
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	740	1090	1190	1430	1430	1480	2170
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	533	533	533	533	533	853	853
	B	mm	548	898	998	1238	1238	1238	1926
	A	mm	197	197	222	222	272	572	572
	M	mm	197	197	222	222	272	392	392
	I	mm	693	1043	1143	1383	1383	1401	2088
	Q	mm	215	215	215	215	215	-	-
N. x Ø BAM			2xØ200	3xØ200	3xØ200	4xØ200	4xØ200	2xØ400	4xØ400
Peso netto / Net weight Poids net / Nettogewicht / Peso neto	kg		25	33	38	44	53	121	192

Mod. 10-50

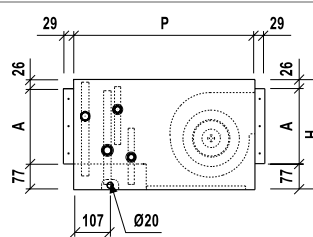
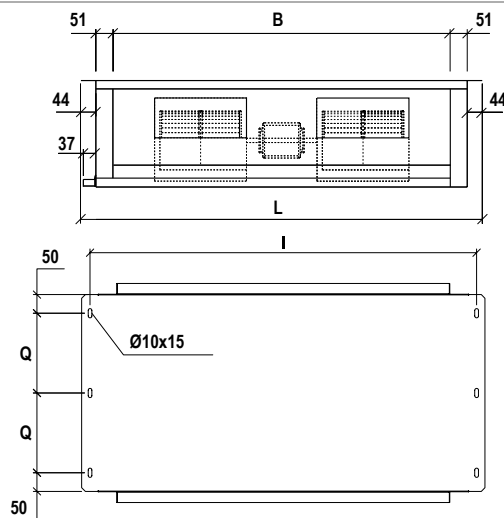


Fig./Pic.: Mod. 30

Mod. 60-70

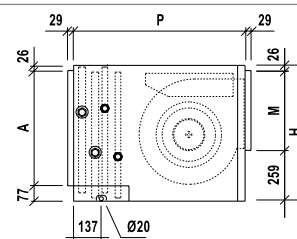
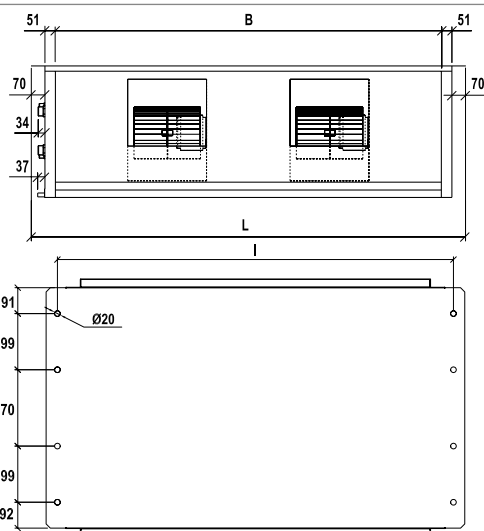
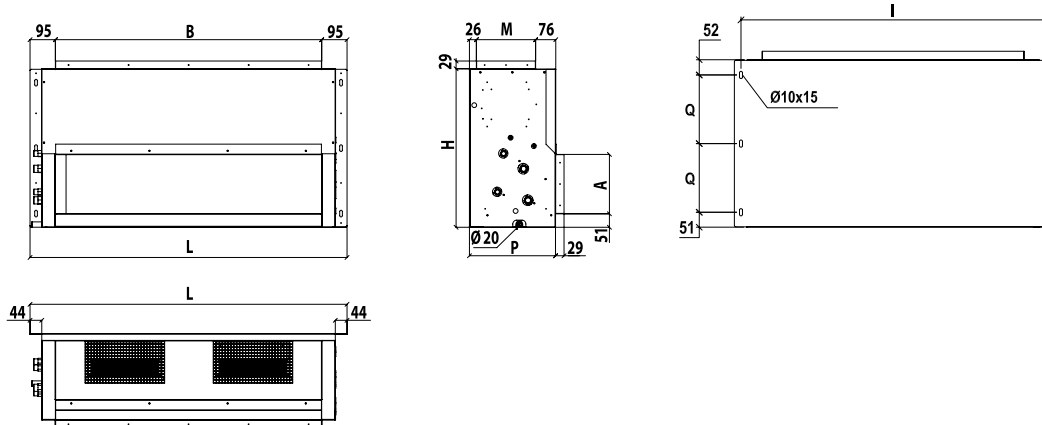


Fig./Pic.: Mod. 70

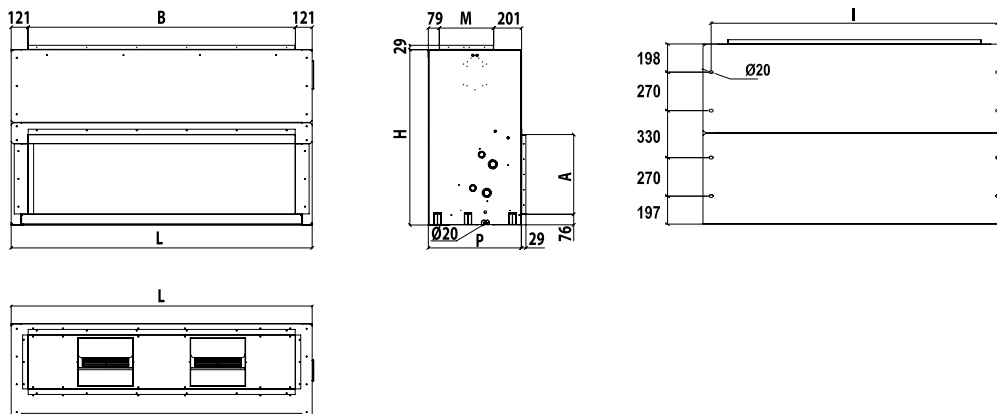
FCV

Unità verticale / Vertical unit Unité verticale / Vertikales Gerät / Unidad vertical		10	20	30	40	50	60	70
Ventilatori-Motori / Fans-Motors / Ventilateur-Moteurs Ventilatoren-Motoren / Ventiladores-Motores	No.	1-1	2-1	2-1	2-1	2-1	1-1	2-2
Batteria standard Standard coil	Ranghi / Rows / Rangs Rohrreihen / Rangos	No.	3	3	3	3	4	4
Batterie standard Standardwärmetauscher Batería estándar	Attacchi / Fittings Raccords / Anschlüsse Conexiones	Ø	1/2"	3/4"	3/4"	3/4"	1"	1" 1/4
1/4 Batteria ausiliaria 1/4 Auxiliary coil	Ranghi / Rows / Rangs Rohrreihen / Rangos	No.	1	1	1	1	2	2
1/4 Batterie auxiliaire 1/4 Zusatzwärmetauscher 1/4 Batería auxiliar	Attacchi / Fittings Raccords / Anschlüsse Conexiones	Ø	1/2"	1/2"	1/2"	1/2"	1"	1" 1/4
Attacco scarico condensa Condensate drain fitting Raccord évacuation condensats Kondensatablaufanschluss Conexión de drenaje de condensado	Ø mm	20	20	20	20	20	20	20
Altezza / Height / Hauteur / Höhe / Altura	H mm	573	573	643	643	693	1265	1265
Lunghezza / Length / Longueur / Länge / Longitud	L mm	740	1090	1190	1430	1430	1480	2170
Profondità / Depth / Profondeur / Tiefe / Profundidad	P mm	300	300	325	325	375	672	672
	B mm	548	898	998	1238	1238	1238	1926
	A mm	197	197	222	222	272	572	572
	M mm	197	197	222	222	272	392	392
	I mm	693	1043	1143	1383	1383	1401	2088
	Q mm	235	235	270	270	295	-	-
N. x Ø BAM		2xØ200	3xØ200	3xØ200	4xØ200	4xØ200	2xØ400	4xØ400
Peso netto / Net weight Poids net / Nettogewicht / Peso neto	kg	27	35	41	46	56	117	192

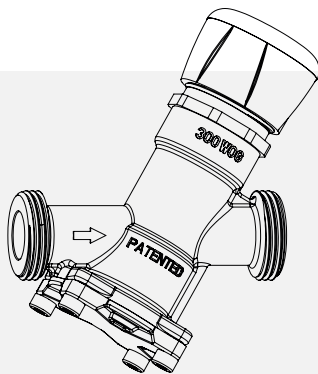
Mod. 10-50



Mod. 60-70



Independent balancing valve



This type of valve combines two functions in a single valve, keeps the flow rate constant as the system pressure changes and at the same time regulates the flow according to the temperature, allowing perfect balancing of the hydraulic system, ensuring for each fan coil unit the desired water flow even under partial loads.

The adjustment can be performed automatically through the installation of a linear ON / OFF or modulating actuator.

Main advantages:

- Simplified selection
- Easy installation
- High valve authority which remains constant
- Constant flow rate as the differential pressure changes
- Optimized installation by measuring the set pressure
- Energy efficiency thanks to the low differential pressure required
- Maintenance of the set water flow even at partial loads
- Optimization of pump speed using pressure taps (optional)
- Preset locked by hooking

Valve performance technical data

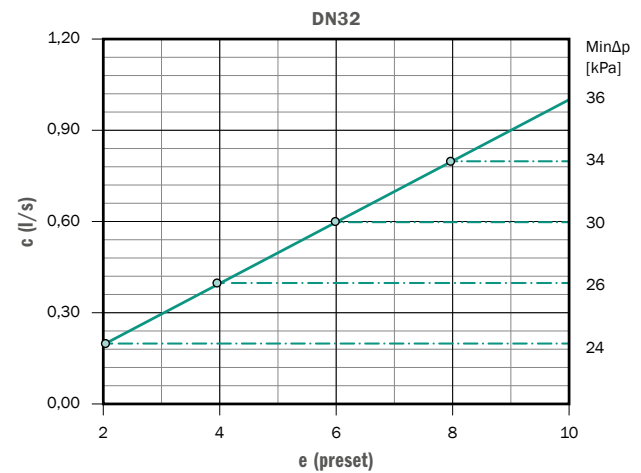
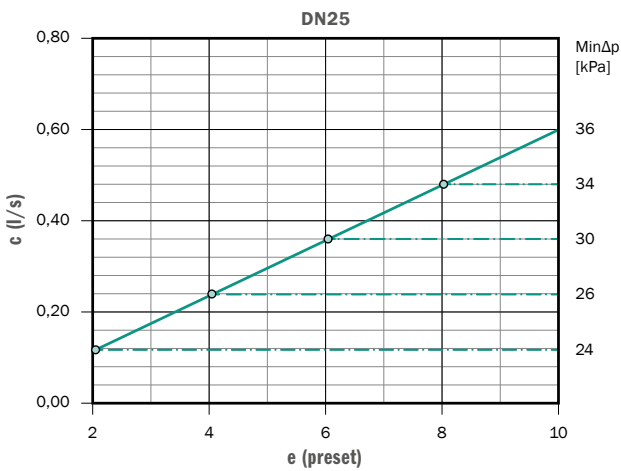
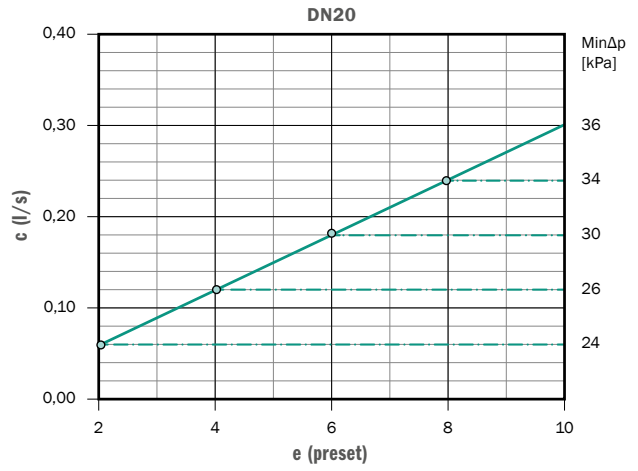
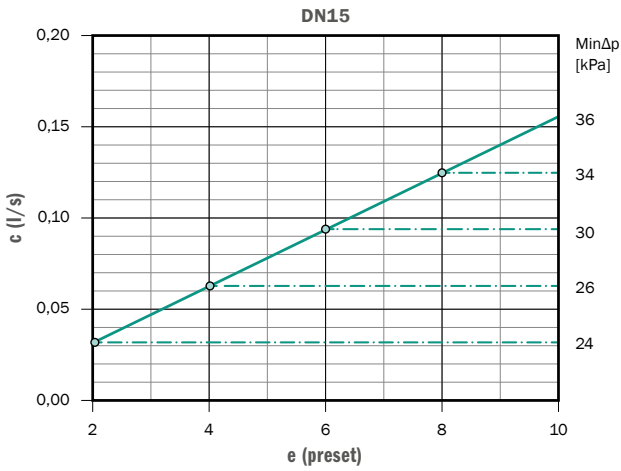
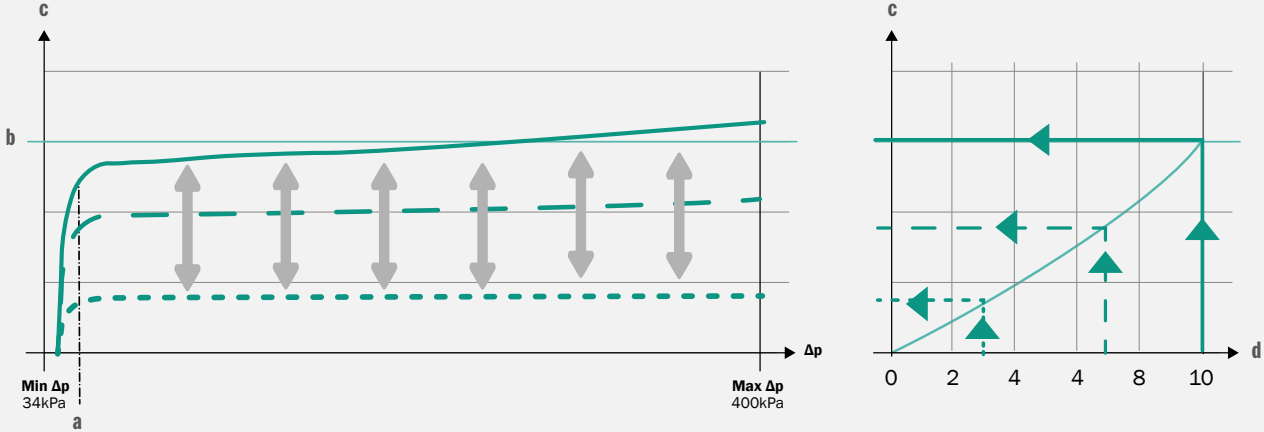
2 tubi - pipes - tubes Leiter - tubos			10	20	30	40	50	60	70
	DN		DN 15	DN 20	DN 25	DN 25	DN 25	-	-
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	1"	1"1/4	1"1/4	1"1/4	-	-
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,062-0,311	0,12-0,6	0,12-0,6	0,12-0,6	-	-
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,126	0,181	0,318	0,371	0,399	0,977	1,764
		max	0,135	0,248	0,340	0,405	0,538	1,167	2,097

For technical data related to size 6 and 7 please contact the sales department.

4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			10	20	30	40	50	60	70
	DN		DN 15	DN 15	DN 20	DN 20	DN 20	DN 32	-
Attacchi idraulici - Hydraulic connections Raccords hydrauliques - Hydraulikanschlüsse - Conexiones hidráulicas	ø		3/4"	3/4"	1"	1"	1"	1"1/2	-
Portata acqua valvola - Valve water flow Débit d'eau valve - Wassermenge am Ventil - Caudal de agua de la válvula	l/s	min-max	0,030-0,150	0,030-0,150	0,062-0,311	0,062-0,311	0,062-0,311	0,200-1,000	-
Portata acqua unità - Unit water flow Débit d'eau unité - Wasserdurchfluss des Gerätes - Caudal de agua de la unidad	l/s	min	0,059	0,083	0,141	0,164	0,184	0,616	1,113
		max	0,071	0,123	0,169	0,200	0,271	0,815	1,458

Presetting and nomograms

In accordance with the principles of dynamic balancing, presetting allows you to set the maximum flow rate of the valve, i.e. the flow rate which will be kept constant within the differential pressure range of use, with the valve fully open.
The presetting affects the minimum differential pressure of use of the valve.



FCC/FCV
FCC/FCV-ECM

a	Funzione di prerogolazione / Preset function / Fonction de pré-réglage / Voreingestellte Funktion / Función preestablecida
b	Portata prerogolata / Preset flow rate / Débit pré-réglé / Voreingestellte Durchflussmenge / Caudal preestablecido
c (l/s)	Portata / Flow / Débit / Durchflussrate / Caudal
d	Segnale / Signal / Signal / Signal / Señal
e	Prerogolazione / Preset / Pré-réglage / Voreinstellung / Preajuste

The new generation filtration system

Clean Life system

Clean Life System consists of a two-stage filtration module that can be integrated directly into the series, the fact that the solid particles contained in the air flow are precipitated by the action of an electric field that retains the polluting particles and microorganisms dispersed in the air, such as bacteria, viruses and spores conveyed by such particles.

Through a potential difference generated between the emission and collection electrodes, the pollutants are precipitated, captured and retained by special collection grilles, obtaining healthy and completely purified air.

Electronic filter version

Clean Life System - FCC/FCV

Available for all 7 models.

Electronic filter

Clean Life System ensures that the maximum particulate values, PM10 and PM2.5, remain at acceptable levels in all the internal environments and comply with the requirements of EN 16798:2018 and UNI 11254:2007 to improve **Indoor Air Quality** according to the requisites of the World Health Organization and in accordance with the European and international communities.

This innovative filtering system is managed and controlled through specially developed electronics which, in addition to controlling the operating voltages and the state of efficiency of the filter, gives warning signals of possible malfunctions and failures.

Another fundamental aspect of this system is its cleaning process, which is remarkably simple, economical and easy to implement. The filtering section is fully accessible and optimized to reduce maintenance times and related operating costs.

Once the filter has been removed, the washing cycle needed to regenerate it simply requires water and a biodegradable cleanser. Furthermore, the high-quality components used to build this filtering system guarantee its durability and high reliability over time.

Units equipped with the **Clean Life System** can be installed in diverse environments, from the most sensitive areas, such as medical and healthcare environments requiring total hygiene in the facility, and densely populated areas such as schools, offices, hotels and public places, where it is required to provide occupants with excellent comfort and environmental protection.

A healthy choice, responsible and aware

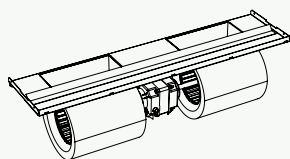
This innovative solution is characterized not only by its high filtration efficiency (comparable to a mechanical F9 class filter) but also by considering the reduction in energy consumption, provided primarily by a significant decrease in pressure drops, which distinguish this filtration system from any other.

Clean Life System is a considered choice, in reducing the impact on the environment, an impact that cannot be avoided with the use of common mechanical filters. The latter must be disposed of with significant economic costs as they are classified as toxic waste and are bound by restrictions in the disposal processes, which precludes them being returned in the recycling chain.

The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

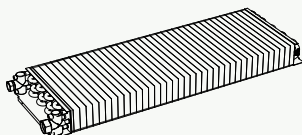
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



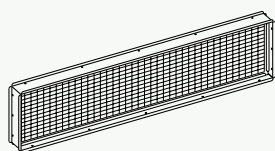
Fan section:

the version can be equipped also with high performance motor or special motor with fail contact. On demand also motor with particular specifications.



Coils:

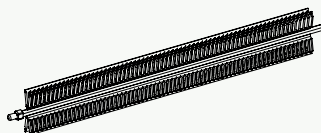
4 or 6-row coils for 2-pipe systems, 1 or 2 rows for 4-pipe systems, R410A DX coil. On request also special coils made with special materials or treatments for corrosive atmospheres or with technical precautions to be able to operate at special pressures.



Air filter section kit:

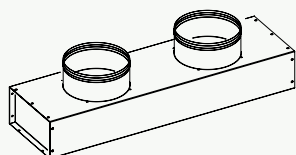
air filter section kit consisting of a regenerable filter and metal frame for fixing to the unit. Wide range of regenerable filters made of synthetic filter fabric and galvanized steel frame with different efficiency classes including G3 * / EU3 **, G2 * / EU2 ** with activated carbon, G4 * / EU4 ** or filter with aluminum mesh class G1 * / EU1 **.

The filters are 25 mm (size 10 ÷ 50) and 48 mm (size 60-70) thick. Also available is the innovative electronic filter that allows complete air purification and at the same time ensures high efficiencies thanks to minimal pressure drops. (* according to EN779 / ** according to Eurovent)



Section with electric heaters:

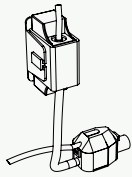
heater kit from 4500W to 18000W, equipped with safety thermostat, 400Vac/3Ph+N/50-60Hz.



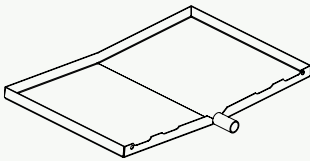
Plenum:

wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement.

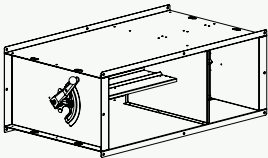
Fully customized plenums can also be made on request.



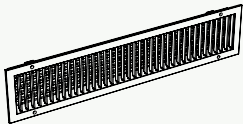
Auxiliary condensate drain pump



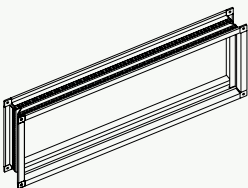
Auxiliary drain pan
hot painted galvanized steel



Air lower section
(primary air, max 33%), can also be equipped with servomotor for motorized opening.



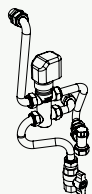
Grills:
supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.
The grills can also be painted on request with the RAL color of your choice.



Antivibrating joint

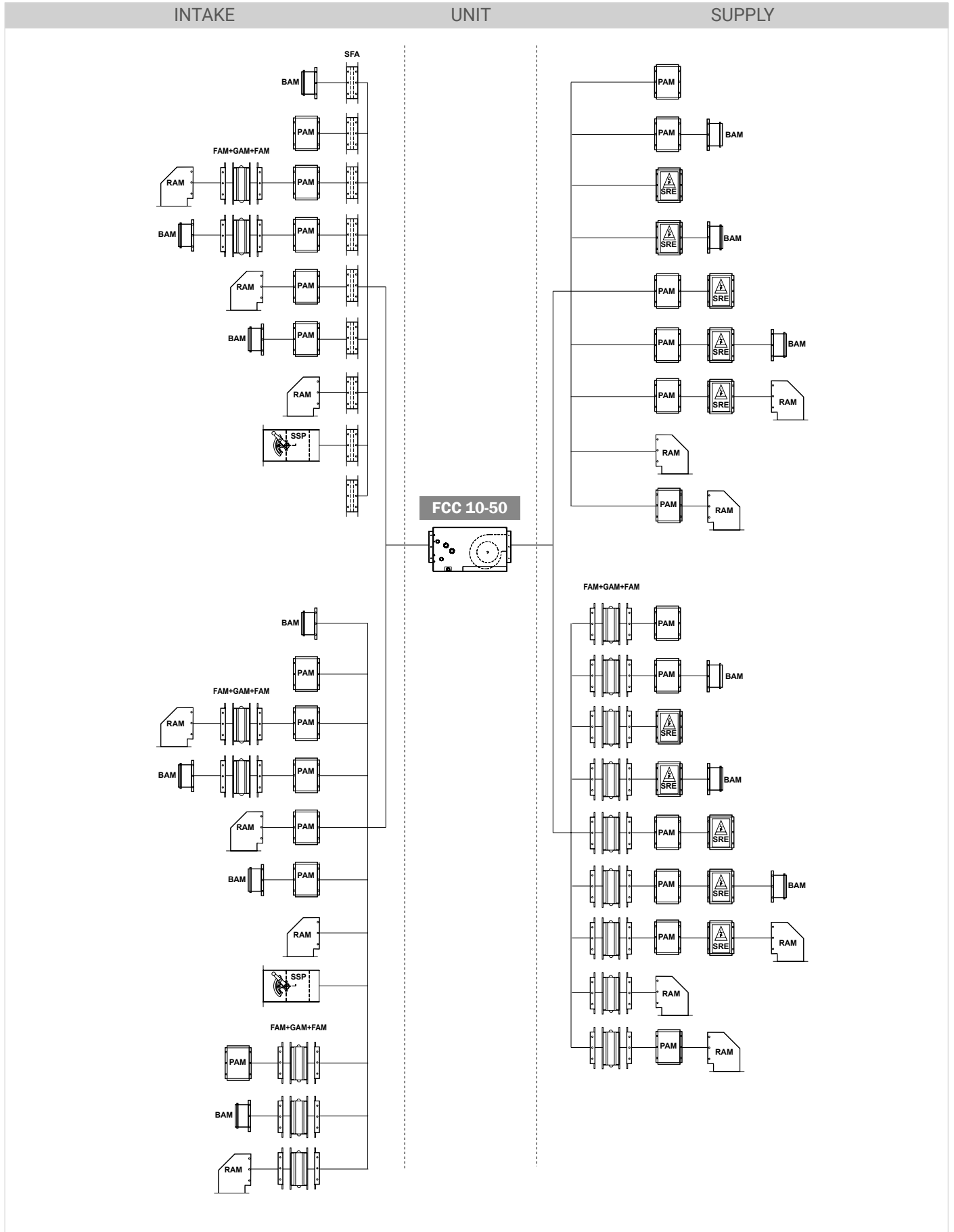


Control:
wide range of control devices and related accessories that allow you to manage the correct room temperature. Multiple solutions available based on the installation type, the required performances and the type of investment.



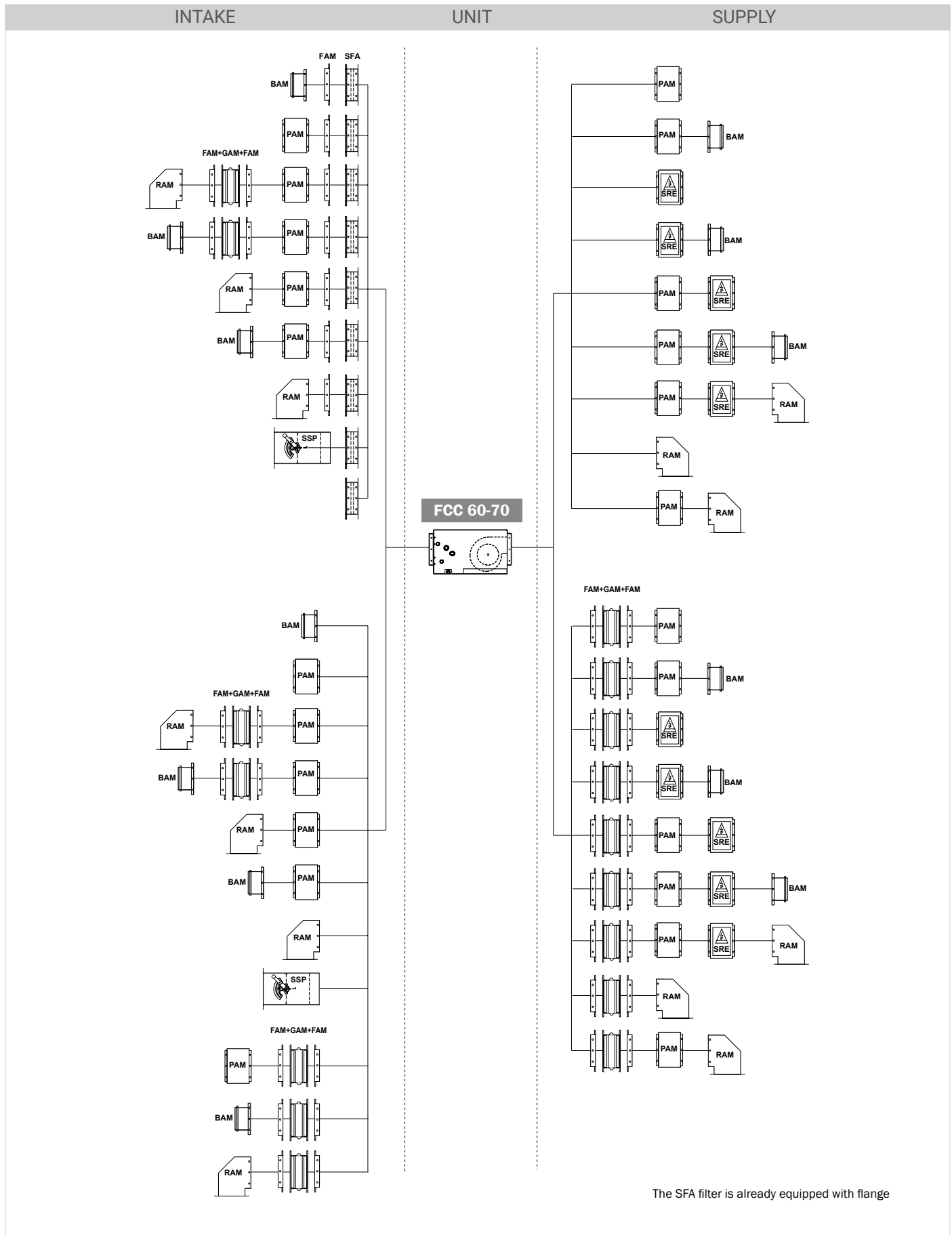
Valves:
wide range of valves, on / off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.

Example of ducting accessories application



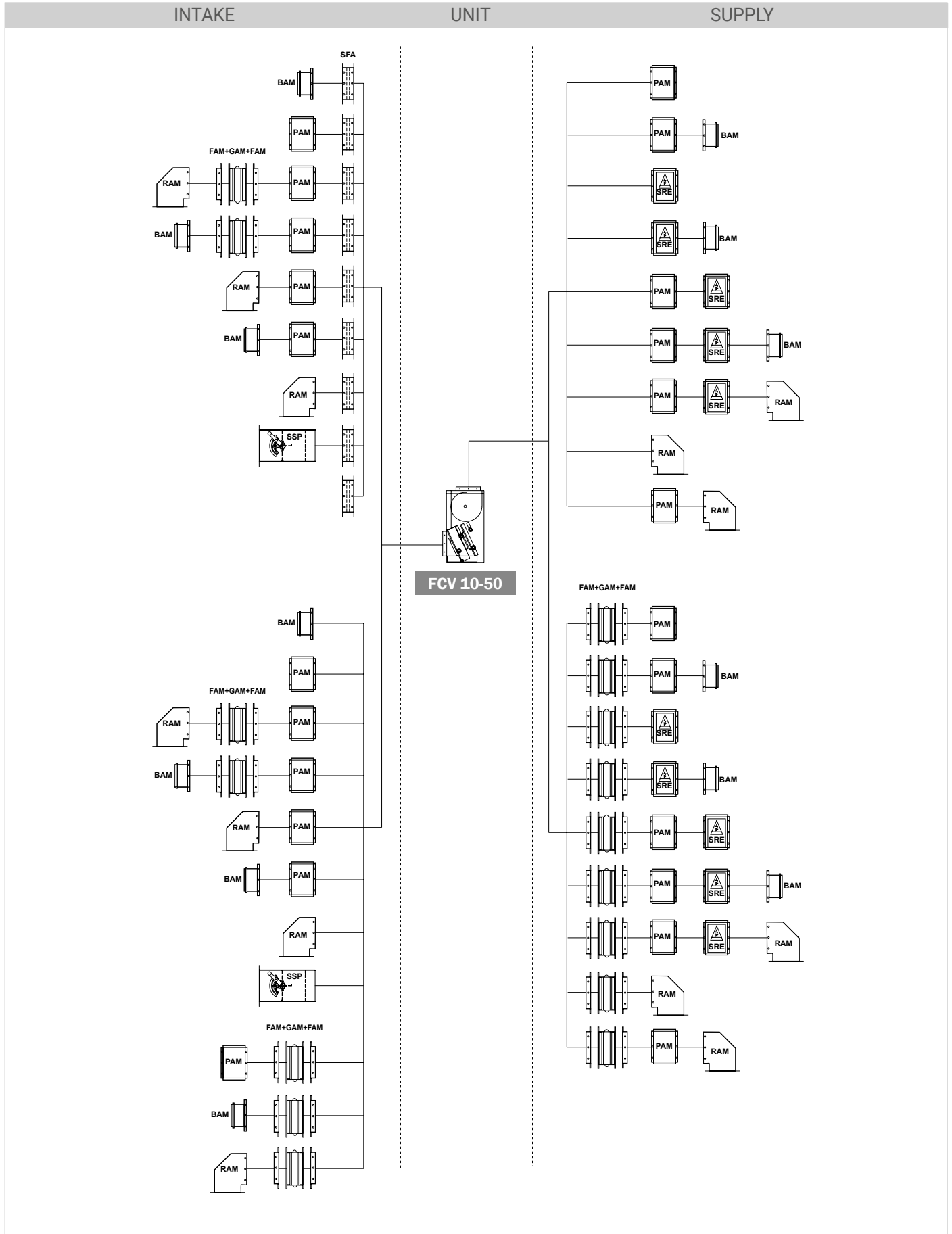
FCC/FCV
FCC/FCV-ECM

Example of ducting accessories application



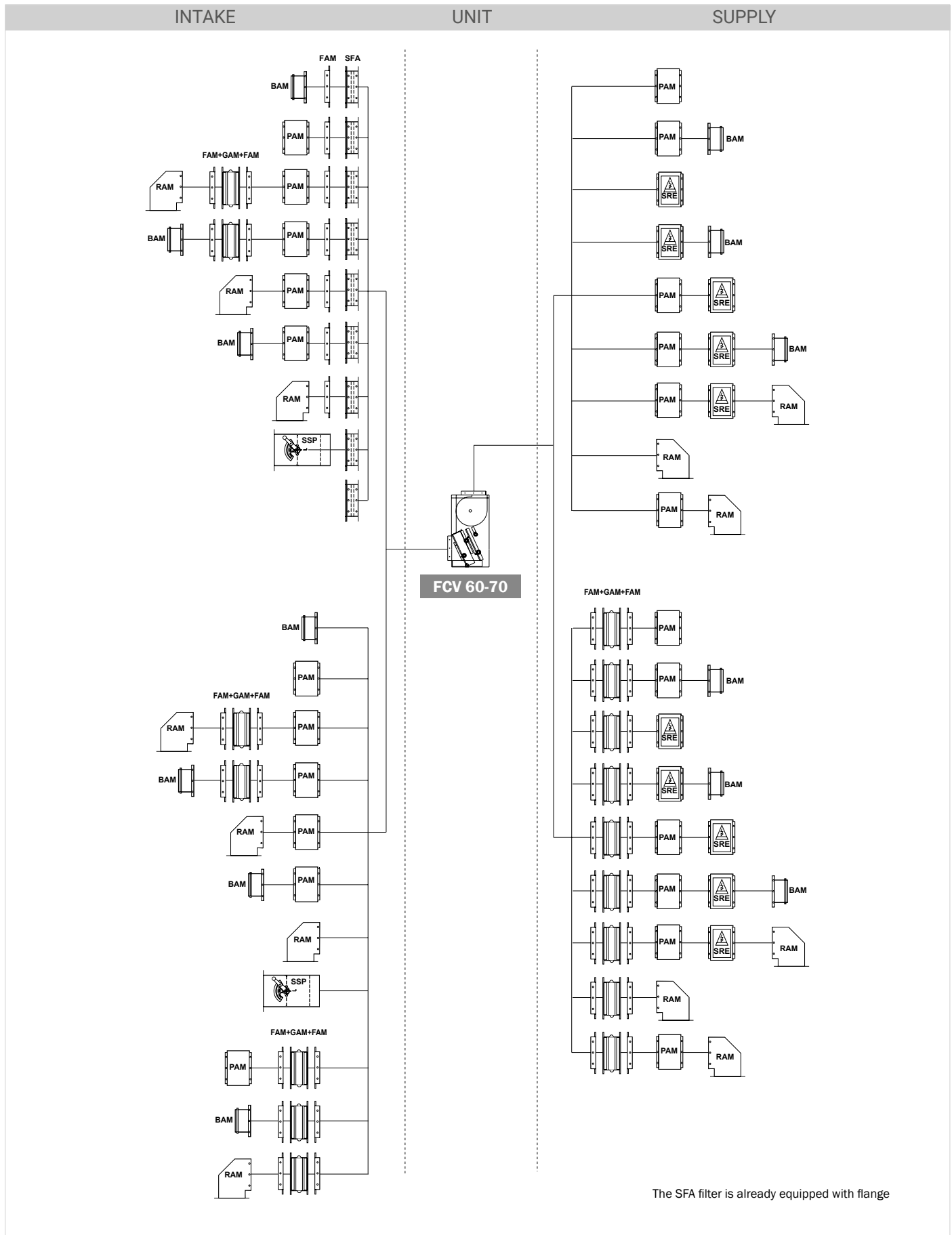
FCC/FCV
FCC/FCV-ECM

Example of ducting accessories application



FCC/FCV
FCC/FCV-ECM

Example of ducting accessories application



FCC/FCV
 FCC/FCV-ECM

Compatibility of controls

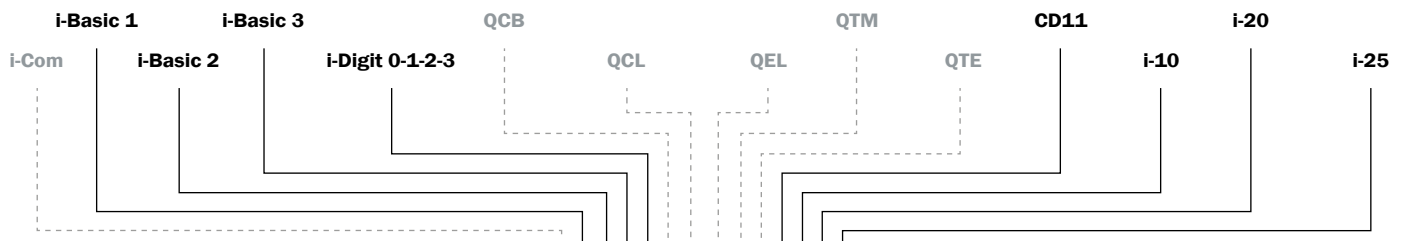
For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

503FA	<ul style="list-style-type: none"> - Termostato elettronico con display LCD - Electronic thermostat with LCD display - Thermostat électronique avec écran LCD - Elektronisches Thermostat mit LCD-Display - Termostato electrónico con pantalla LCD 	i-Basic 3	<ul style="list-style-type: none"> - Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH - Analog electronic thermostat with simplified DIP-SWITCH programming - Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH - Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung - Termostato electrónico analógico con programación simplificada DIP-SWITCH
CD11	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Control without temperature control - Commande sans réglage de température - Steuerung ohne Temperaturregelung - Control sin regulación de temperatura 	i-Com	<ul style="list-style-type: none"> - Comando senza regolazione di temperatura - Base switch without temperature control - Commande sans réglage de température - Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung - Control sin regulación de temperatura
COM-B	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore rotativo BTicino - BTicino rotary selector switch - Commutateur 3 vitesses avec sélecteur rotatif BTicino - Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino - Conmutador de 3 velocidades con selector giratorio b-Ticino 	i-Digit 0-1-2-3	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD
COM-V	<ul style="list-style-type: none"> - Commutatore 3 velocità con selettore a slitta Vimar - Vimar 3-speed slide selector - Commutateur 3 vitesses avec sélecteur à glissière Vimar - Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeselector Vimar - Conmutador de 3 velocidades con selector deslizante Vimar 	IR-C	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD) - Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems) - Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes) - Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme) - Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)
FAN01	<ul style="list-style-type: none"> - Regolatore per fan coil configurabile con protocollo di comunicazione BACnet - Configurable fan coil controller with BACnet communication protocol - Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet - Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet - Controlador fancoil configurable con protocolo de comunicación BACnet 	IR-T	<ul style="list-style-type: none"> - Telecomando a raggi infrarossi (per unità a parete) - Infrared remote control (for wall unit) - Télécommande à infrarouges (pour unité murale) - Infrarot-Fernbedienung für wandmontierte Geräte - Control remoto IR (para unidad de pared)
i-10	<ul style="list-style-type: none"> - Termostato elettronico analogico base (unità a 2 e 4 tubi) - Analog electronic thermostat (2 and 4 pipe units) - Thermostat électronique analogique base (unité à 2 et 4 tubes) - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System - Termostato electrónico analógico base (unidades de 2 y 4 tubos) 	QCB	<ul style="list-style-type: none"> - Quadro comando base - Base control panel - Panneau de contrôle base - Basisbediengerät - Panel de control base
i-20	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 2 tubi) - Analog electronic thermostat (2 pipe units) - Thermostat électronique analogique (unité à 2 tubes) - Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System - Termostato electrónico analógico (unidad de 2 tubos) 	QCL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-25	<ul style="list-style-type: none"> - Termostato elettronico analogico (unità a 4 tubi) - Analog electronic thermostat (4 pipe units) - Thermostat électronique analogique (unité à 4 tubes) - Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System - Termostato electrónico analógico (unidad de 4 tubos) 	QEL	<ul style="list-style-type: none"> - Quadro comando base in lamiera - Sheet base control panel - Panneau de contrôle base en tôle - Basisbediengerät aus Metall - Panel de control base en chapa
i-30	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTE	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettronico - Base control panel with electronic room thermostat - Panneau de contrôle base avec thermostat ambient électronique - Basisbediengerät mit elektronischem Raumthermostat - Panel de control base con termostato ambiente electrónico
i-50	<ul style="list-style-type: none"> - Termostato elettronico programmabile con display LCD - Programmable electronic thermostat with LCD display - Thermostat électronique programmable avec écran LCD - Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display - Termostato electrónico programable con pantalla LCD 	QTM	<ul style="list-style-type: none"> - Quadro comando base con termostato ambiente elettromeccanico (a bulbo) - Base control panel with room electromechanical temperature bulb thermostat - Panneau de contrôle base avec thermostat ambient électromécanique (à bulbe) - Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler) - Panel de control base con termostato ambiente electromecánico (a bulbo)
i-60	<ul style="list-style-type: none"> - Termostato elettronico touch con connessione WiFi per gestione remota - Touch fan coil thermostat with WiFi connection - Thermostat électronique tactile avec connexion WiFi pour gestion à distance - Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung - Termostato electrónico Touch con conexión WiFi para gestión remota 	RWIECM 1-2	<ul style="list-style-type: none"> - Interfaccia utente a parete - Wall user interface - Interface utilisateur mural - Wandmontiertes Bediengerät - Interfaz de usuario de pared
i-70	<ul style="list-style-type: none"> - Termostato elettronico touch configurabile, con protocollo di comunicazione MODbus/BACnet (unità a 2 e 4 tubi) - Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system) - Thermostat électronique tactile configurable, avec protocole de communication MODbus/BACnet (unité à 2 et 4 tubes) - Konfigurierbarer elektronischer Touch-Thermostat, mit MODbus/BACnet-Kommunikation mit 2/4-Leiter-System - Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos) 	S-MOD	<ul style="list-style-type: none"> - Sistema di supervisione - Supervision system - Système de supervision - Überwachungssystem - Sistema de supervisión
i-Basic 1	<ul style="list-style-type: none"> - Termostato elettronico analogico base - Analog base electronic thermostat - Thermostat électronique analogique base - Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico base 	TRI/F1 2.0	<ul style="list-style-type: none"> - Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione MODbus - Infrared remote controller or wall controller with MODbus communication protocol - Contrôle avec télécommande IR ou interface mural avec protocole de communication MODbus - Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit MODbus-Kommunikationsprotokoll - Control con mando IR o interfaz de pared con protocolo de comunicación MODbus
i-Basic 2	<ul style="list-style-type: none"> - Termostato elettronico analogico - Analog electronic thermostat - Thermostat électronique analogique - Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System - Termostato electrónico analógico 		

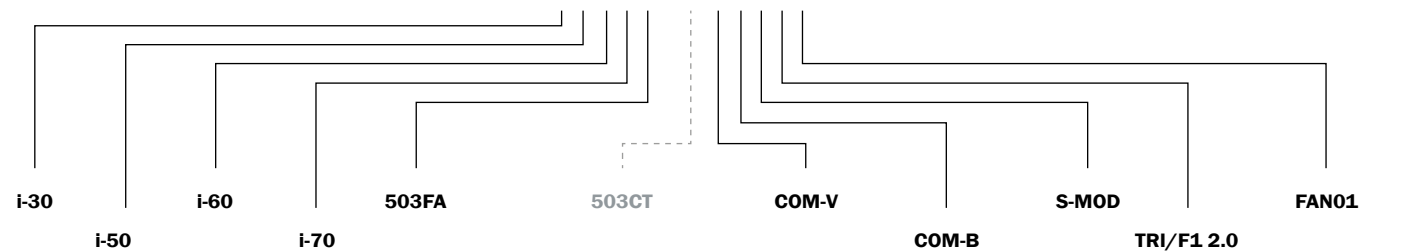
Compatibility of controls

Scheda di potenza per controllo a 3 velocità
 Power chart for 3-speed control
 Fiche de puissance pour contrôle à 3 vitesses
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten
 Tarjeta de alimentación para el control de 3 velocidades

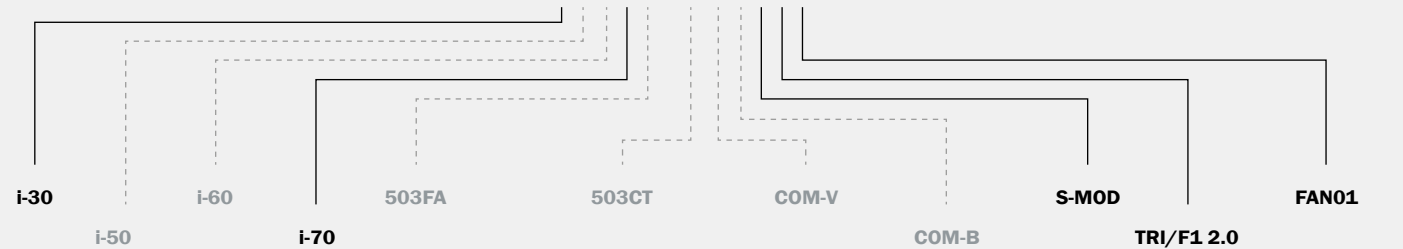
	i-Com	i-Basic 1	i-Basic 2	i-Basic 3	i-Digit 0-1-2-3	TRI/F1 2.0	CD11	i-10	i-20	i-25	i-30	i-50	i-60	i-70	503FA	503BUS+DIN5	S-MOD	FAN01
Mod. 10	-	-	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 20	-	-	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 30	-	○	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 40	-	○	○	○	○	-	-	-	-	-	○	○	○	○	○	-	○	○
Mod. 50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Mod. 60	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Mod. 70	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●



FCC/FCV



FCC/FCV-ECM



- Compatible
Compatible
Compatible
Kompatibel
Compatible
- - - - - Non compatible
Not compatible
Non compatible
Nicht kompatibel
NO compatible
- Non necessaria
Not necessary
Non nécessaire
Nicht erforderlich
No Requerido
- Necessaria (inclusa di serie)
Necessary (included as standard)
Nécessaire (comprise de série)
Erforderlich (serienmäßig inbegriffen)
Requerido (incluido de serie)
- Necessaria (non inclusa)
Necessary (not included)
Nécessaire (non comprise)
Erforderlich (nicht inbegriffen)
Requerido (no incluido)

FCC/FCV
FCC/FCV-ECM

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS & DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

COMMUTAZIONE - CHANGEOVER - COMMUTATION - UMSCHALTUNG - TRASPUESTA

Velocità automatica - Automatic speed control - Vitesse automatique - Automatische Geschwindigkeitseinstellung - Velocidad automática

Caldo/freddo centralizzata - Central season changeover - Chaud/froid centralisé - Heizen/Kühlen Umschaltung - Cambio Verano / Invierno centralizado

Caldo/freddo automatico (impianto 2 tubi) - Automatic season changeover (2 pipe system) - Chaud/froid automatique (système à 2 tubes) Heizen/Kühlen Umschaltung automatisch (Anlage mit 2 Leitersystem) - Cambio automático Verano / Invierno (sistema de 2 tubos)

Caldo/freddo automatico con zona neutra (imp. 4 tubi) - Automatic season changeover with neutral zone (4 pipe syst.) - Chaud/froid automatique avec zone neutre (syst. à 4 tubes) - Heizen/Kühlen Umschaltung automatisch mit neutralem Bereich (Anlage mit 4 Leiter-System) - Cambio automático Verano/Invierno con zona neutra (sist. de 4 tubos)

INGRESSI - INPUTS - ENTRÉES - EINGÄNGE - ENTRADAS

Sonda aria remota - Remote air intake sensor - Capteur air à distance - Lufteintrittsfühler - Sonda de aire remota

Sonda acqua - Water sensor - Capteur eau - Wassertemperaturfühler - Sonda de agua

[TC/TC-B] Termostato di consenso - Low temperature thermostat - Thermostat d'autorisation - Freigabethermostat - Termostato de mínima

Contatto finestra - Windows contact - Contact fenêtre - Fensterkontakt - Contacto de ventana

USCITE - OUTPUTS - SORTIES - AUSGÄNGE - SALIDAS

Valvole On/Off - On/Off valves - Vannes On/Off - Ein-Aus-Ventil - Válvulas On/Off

Valvole 3 punti (PWM) - Floating valves (PWM) - Vannes 3 points (PWM) - 3-Punkt-Ventil (PWM) - Válvulas de 3 puntos (PWM)

Valvole 0-10V - 0-10V proportional valves - Vannes 0-10V - Ventile 0-10 V - Válvulas 0-10V

FUNZIONI SPECIALI - SPECIAL FUNCTIONS - FONCTION SPÉCIALES - SONDERFUNKTIONEN - FUNCIONES ESPECIALES

Ventilatore termostato - Fan thermostat controlled - Ventilateur thermostaté - Thermostatgesteuerter Ventilator - Ventilador termostático

Comando resistenza elettrica - Electric heater control - Commande résistance électrique - Steuerung Elektroheizregister - Control de resistencia eléctrica

Funzione economy - Economy function - Fonction economy - Economy-Funktion - Función Economy

Funzione solo ventilazione - Fan function - Fonction uniquement ventilation - Nur Ventilatorbetrieb - Función sólo ventilador

Timer giornaliero - Daily timer - Minuterie quotidienne - Tagestimer - Temporizador diario

Funzione antistratificazione - Air recirculation function - Fonction anti-stratification - Funktion zum Schutz gegen Schichtbildung - Función anti-estratificación

Funzione Master/Slave - Master/Slave function - Fonction Master/Slave - Master/Slave Funktion - Función Master/Slave

Ventilatore modulante - Modulating fan - Ventilateur modulant - Modulierender Ventilator - Ventilador modulante

Programmazione settimanale - Weekly timetable - Programmation hebdomadaire - Wochenprogrammierung - Programación semanal

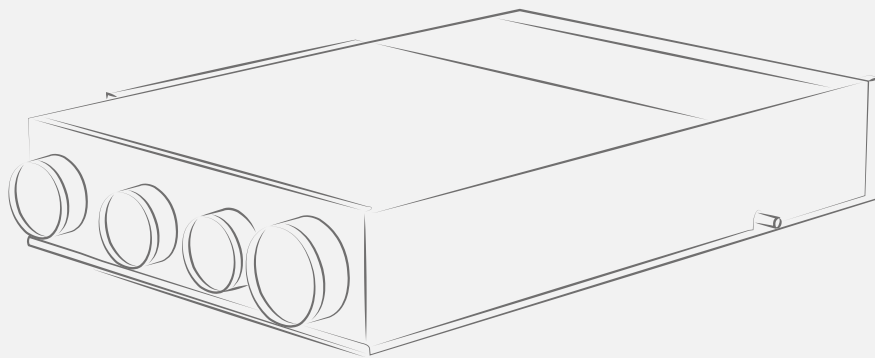
[MODbus] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

[BACnet] Protocollo di comunicazione - Communication protocol - Protocole de communication - Kommunikationsprotokoll - Protocolo de comunicación

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad


COMBI-ECM


Fan coil unit with integrated recovery unit





COMBI-ECM

New concept of comfort and efficiency

 **2.6 ÷ 4.7** kW
cooling

 **2.2 ÷ 4.6** kW
heating

 **300 - 700** m³/h
air flow

 **83 - 88** %
thermal efficiency

COMBI-ECM



Structure:

galvanized or painted sheet (optional) thickness 10/10, insulated in all parts in indirect contact with the heat transfer fluid. Condensate drain pan in galvanized insulated sheet, complete with connections for condensate drainage.

Pre-drilled sides for practical attachment of accessories.

Wall anchoring slots for easy fixing and leveling of the appliance. Wide range of accessories available as plenum with bayonet connection and circular fittings.

The unit is supplied as standard with hydraulic connections on the left and terminal block on the right.



Recovery unit:

static high-efficiency polystyrene recuperator, complete with By-pass system.



Air filter:

filtration system composed by air filters class F7*/EU7** for primary air, M5*/EU5** for the recirculation airflow, and G2 * / EU2 ** for expulsion air to safeguard the recuperator. (* according to EN779 / ** according to Eurovent)



Fan section:

double-inlet centrifugal fans type ECM brushless with statically and dynamically balanced horizontally-oriented aluminium impellers, directly coupled to the fans and cushioned with flexible mountings to ensure low noise. Thermal recovery part equipped with two ECM plug-fan type, as a guarantee of an excellent reduction of energy.



Coils:

copper tube coil with aluminum fins with continuous pack blocked on the tubes by mechanical expansion. Brass manifolds equipped with \varnothing 1/2"~ 3/4" female gas connections and easily accessible air vent valves. Hydraulic connections positioned on the left (front view) on request can be supplied on the right.

The coils are reversible, so the connection side can also be reversed on site.

The heat exchange coil is not suitable for use in corrosive atmospheres.

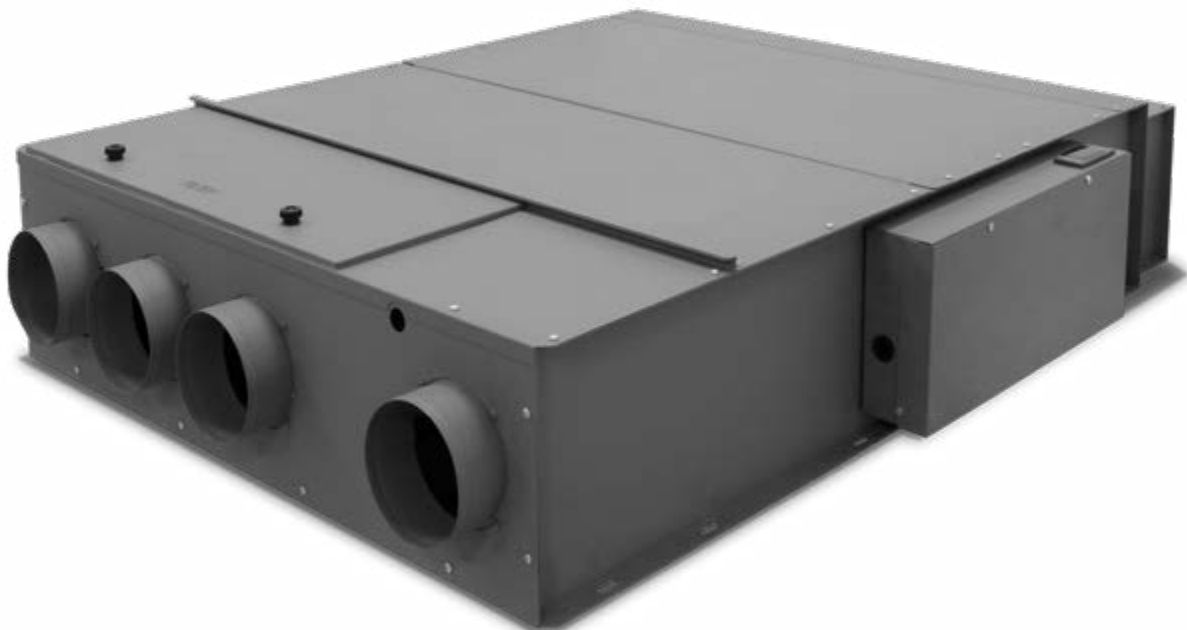
With the advent of avant-garde building technologies, the newly designed housing units are increasingly thermally insulated with direct consequence of limited thermal loads needed to achieve the desired comfort. At the same time, thanks to the absence of dispersions, constant regeneration of the air through a controlled mechanical ventilation system is essential to guarantee the appropriate air quality in the environments.

Nowadays moreover, the use of living spaces reflects new frenetic and unpredictable lifestyles. A flexible system is therefore a winning choice, allowing optimal management of environmental comfort based on real needs, with extremely rapid response times, without any waste.

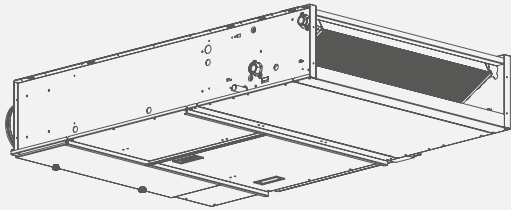
The ideal solution to meet all these needs in a simple, practical and economical way is the newly developed COMBI-ECM unit, which in just 238 mm thick encloses a high-efficiency air conditioning system that can heat, cool (with relative dehumidification), filter and renew the air with integrated recovery, also through the free-cooling and free-heating functions. All this through a single extremely compact unit, able to completely replace traditional systems in residential / commercial environments with surfaces up to about 120 square meters.

The range consists of 2 models of 300 m³/h o 700 m³/h, in 2 configurations, horizontal and vertical, with thermal outputs from 2,2 a 4,6 kW and cooling capacities from 2,6 a 4,7 kW.

Versions	
COMBI-ECM 300-H	300 m ³ /h for horizontal installation
COMBI-ECM 300-V	300 m ³ /h for vertical installation
COMBI-ECM 700-H	700 m ³ /h for horizontal installation
COMBI-ECM 700-V	700 m ³ /h for vertical installation

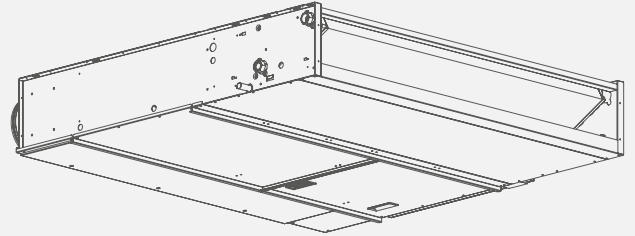


300 - H



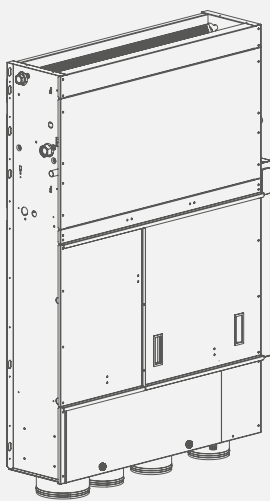
Nominal airflow 300 m³/h
Recovery airflow 80-150 m³/h
Horizontal installation

700 - H



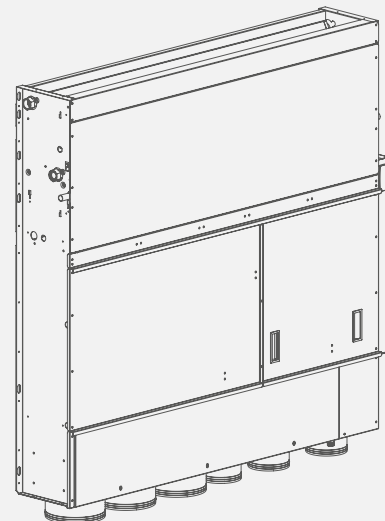
Nominal airflow 700 m³/h
Recovery airflow 80-150 m³/h
Horizontal installation

300 - V



Nominal airflow 300 m³/h
Recovery airflow 80-150 m³/h
Vertical installation

700 - V



Nominal airflow 700 m³/h
Recovery airflow 80-150 m³/h
Vertical installation

i-Plus



On-board unit interface



Interface for wall installation

The i-Plus controller has been developed specifically for controlling the COMBI unit to automate all its functionality and offer a perfect control of comfort conditions.

i-Plus manages both room temperature control and ambient air quality control.

The user sets the desired temperature value and i-Plus performs the operations automatically by processing the temperature and air quality probes (or humidity) and acting suitably on the air handling unit, renewal, free cooling/free heating damper, water intake valve.

However, if you prefer, you can manually define engine rotation speeds.

i-Plus integrates the chronothermostat function (time scheduler) and the possibility of remote on-off and remote change season.

i-Plus can be connected via MODbus protocol to a centralized system to be remotely programmed and supervised. You can connect to the i-Plus controller the remote keyboard to position it where the user prefers.

Power supply 12/24 Vac; 50/60Hz through transformer.

i-Eco



The i-Eco controller includes a programmable electronic thermostat model i-30 with LCD display able to manage the air-treatment unit (fan coil unit).

N.B. if used with 24 Vac valves, the thermostat must be powered through a 230/24 Vac transformer.

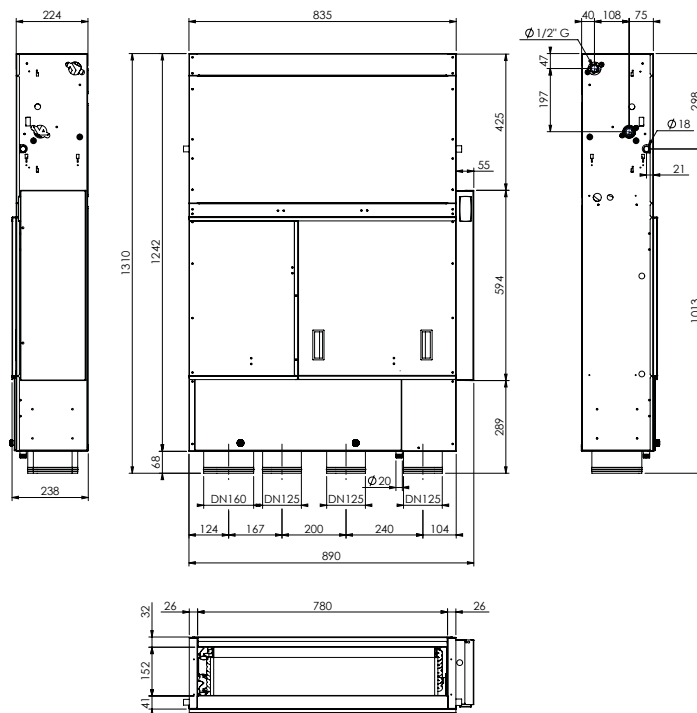
		300	700				
Portata aria nominale / Nominal airflow Débit d'air nominal / Nennluftstrom / Caudal de aire nominal	m ³ /h	300	700				
Pressione statica / Static pressure Pression statique / Statischer Druck / Presión estática	Pa	50	50				
❄️ RECUPERO TERMICO INVERNO / WINTER HEAT RECOVERY RÉCUPÉRATION THERMIQUE EN HIVER / WÄRMERÜCKGEWINNUNG IM WINTER / RECUPERACIÓN TÉRMICA INVIERNO							
Portata aria / Air flow Débit d'air / Luftstrom / Caudal de aire	(1) m ³ /h	80	120	150	80	120	150
Efficienza recupero / Recovery efficiency Efficacité de récupération / Rückgewinnungseffizienz / Eficiencia de recuperación	(1) %	88,5	85,4	83,5	88,5	85,4	83,5
Potenza termica recupero / Recovery heating capacity Puissance thermique récupération / Wärmerückgewinnungsleistung / Potencia térmica de recuperación	(1) kW	628	922	1134	628	922	1134
Temperatura uscita aria / Air outlet temperature Température de sortie d'air / Luftaustrittstemperatur / Temperatura del aire de salida	(1) °C	18,23	17,73	17,38	18,23	17,73	17,38
☀️ RECUPERO TERMICO ESTATE / SUMMER HEAT RECOVERY RÉCUPÉRATION THERMIQUE D'ÉTÉ / WÄRMERÜCKGEWINNUNG IM SOMMER / RECUPERACIÓN TÉRMICA DE VERANO							
Portata aria / Air flow Débit d'air / Luftstrom / Caudal de aire	(2) m ³ /h	80	120	150	80	120	150
Efficienza recupero / Recovery efficiency Efficacité de récupération / Rückgewinnungseffizienz / Eficiencia de recuperación	(2) %	88,7	85,6	83,5	88,7	85,6	83,5
Potenza termica recupero / Recovery heating capacity Puissance thermique récupération / Wärmerückgewinnungsleistung / Potencia térmica de recuperación	(2) kW	141	204	249	141	204	249
Temperatura uscita aria / Air outlet temperature Température de sortie d'air / Luftaustrittstemperatur / Temperatura del aire de salida	(2) °C	27,68	27,86	27,99	27,68	27,86	27,99
VENTILATORE / FAN VENTILATEUR / VENTILATOR / VENTILADOR							
Ventilatore centrifugo con motore Brushless ECM per unità di trattamento aria / Centrifugal fan with ECM Brushless motor for air treatment unit / Ventilateur centrifuge avec moteur ECM Brushless pour unités de traitement air / Radialventilator mit bürstenlosem ECM/Motor für Lüftungsgeräte / Ventilador centrífugo con motor ECM sin escobillas para unidades de tratamiento de aire							
Ventilatore radiale con motore Brushless ECM per unità di recupero calore / Radial fan with ECM Brushless motor for heat recovery unit / ventilateur radial avec moteur Brushless ECM pour les unités de récupération de chaleur / Radialventilator mit bürstenlosem ECM/Motor für Wärmerückgewinnungsgerät / Ventilador axial con motor ECM sin escobillas para recuperador de calor							
BATTERIA AD ACQUA / WATER COIL BATTERIE À EAU / WASSERWÄRMETAUSCHER / BATERÍA DE AGUA							
Ranghi / Rows Rangs / Rohrreihen / Rangos	kW	3	3				
Potenza termica totale / Total heating capacity Puissance thermique totale / Gesamtheizleistung / Potencia térmica total	(3) kW	2242	4571				
Temperatura uscita aria / Air outlet temperature Température de sortie d'air / Luftaustrittstemperatur / Temperatura del aire de salida	°C	41,2	38,9				
Perdita di carico lato acqua / Water pressure drop Pertes charge côté eau / Wasserseitiger Druckverlust / Pérdida de carga lado agua	kPa	8,4	10,3				
Portata acqua nominale / Nominal water flow Débit d'eau nominal / Nennwasserdurchfluss / Caudal nominal de agua	l/h	390	796				
Potenza frigorifera totale / Total cooling capacity Puissance frigorifique totale / Kälteleistung gesamt / Potencia frigorífica total	(4) kW	2618	4650				
Potenza frigorifera sensibile / Sensible cooling capacity Puissance frigorifique sensible / Sensible Kälteleistung / Potencia frigorífica total sensible	kW	1471	3068				
Temperatura uscita aria / Air outlet temperature Température de sortie d'air / Luftaustrittstemperatur / Temperatura del aire de salida	°C	12,6	14				
Perdita di carico lato acqua / Water pressure drop Pertes charge côté eau / Wasserseitiger Druckverlust / Pérdida de carga lado agua	kPa	13	12,6				
Portata acqua nominale / Nominal water flow Débit d'eau nominal / Nennwasserdurchfluss / Caudal nominal de agua	l/h	449	798				
ASSORBIMENTI ELETRICI / ELECTRICAL ABSORPTIONS CONSUMATION ÉLECTRIQUE / STROMVERBRAUCH / ABSORCIÓN ELÉCTRICA							
Alimentazione elettrica / Power supply Alimentation électrique / Stromversorgung / Fuente de alimentación	-	230V / 50Hz	230V / 50Hz				
Massima potenza assorbita / Max absorbed power Puissance maximale / Maximale Leistungsaufnahme / Potencia máxima absorbida	kW	260	340				
Massima corrente assorbita / Max absorbed current Courant maximal admissible / Stromaufnahme / Corriente máxima absorbida	A	1,15	1,48				
LIMITI DI FUNZIONAMENTO / OPERATING LIMITS LIMITES DE FONCTIONNEMENT / EINSATZGRENZEN / LIMITES DE FONCONAMIENTO							
Temperatura aria esterna / Outdoor air temperature Température de l'air extérieur / Außenlufttemperatur / Temperatura del aire exterior	°C	min (-) max (+) 45)					
Umidità aria esterna / Outdoor humidity Humidité air extérieur / Außenluftfeuchtigkeit / Humedad del aire exterior	%	min 10 - max 75					
Temperatura aria interna / Indoor air temperature Température de l'air intérieur / Raumlufttemperatur / Temperatura del aire interior	°C	min 15 - max 30					
Umidità aria interna / Indoor humidity Humidité air intérieur / Raumluftfeuchtigkeit / Humedad del aire interior	%	min 10 - max 75					
Massima pressione di esercizio acqua / Max water pressure Pression maximum d'utilisation d'eau / maximaler Wasserdruck / Presión de agua máxima de trabajo	Bar	8					
Massima temp. esercizio acqua / Max inlet water temperature Temp. maximum d'utilisation d'eau / maximale Wassereintrittstemperatur / Temperatura de agua máxima de trabajo	°C	70					

(1)	Temperatura aria di rinnovo / Air temperature renewal / Température de l'air neuf / Frischlufttemperatur / Temperatura del aire de renovación	-5°C
	Temperatura aria espulsione / Exhaust air temperature / Température de l'air extérieur / Ablufttemperatur / Temperatura del aire de expulsión	20°C
(2)	Temperatura aria di rinnovo / Air temperature renewal / Température de l'air neuf / Frischlufttemperatur / Temperatura del aire de renovación	33°C 50%
	Temperatura aria espulsione / Exhaust air temperature / Température de l'air extérieur / Ablufttemperatur / Temperatura del aire de expulsión	27°C 50%
(3)	Temp. aria esterna/Acqua - Outside temp. air/Temp. water - Temp. air extérieur/Eau - Temp. Aussenluft/Wasser - Temp. aire exterior/agua	-5°C / 45-40°C
(4)	Temp. aria esterna/Acqua - Outside temp. air/Temp. water - Temp. air extérieur/Eau - Temp. Aussenluft/Wasser - Temp. aire exterior/agua	33°C 50% / 7-12°C

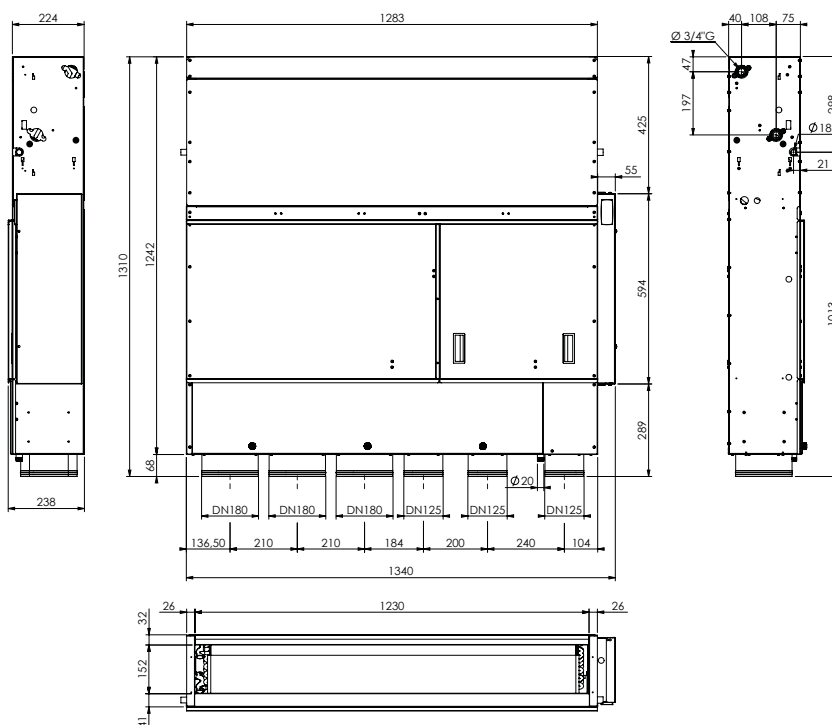
Dimensions

			300	700
Lunghezza / Length / Longueur / Lange / Longitud	L	mm	890	1340
Altezza / Height / Hauteur / Hohe / Altura	H	mm	1310	1310
Profondit / Depth / Profondeur / Tiefe / Profundidad	P	mm	238	238
Scarico recuperatore / Cross-flow recovery drain Evacuation - rcuprateur / Kreuzstromplattentauscher / Escape recuperador	R	mm	20	20
Scarico trattamento aria / Air treatment drain Evacuation - traitement de l'air / Entluftungsventil / Escape de tratamiento de aire	F	mm	18	18

Mod. 300



Mod. 700



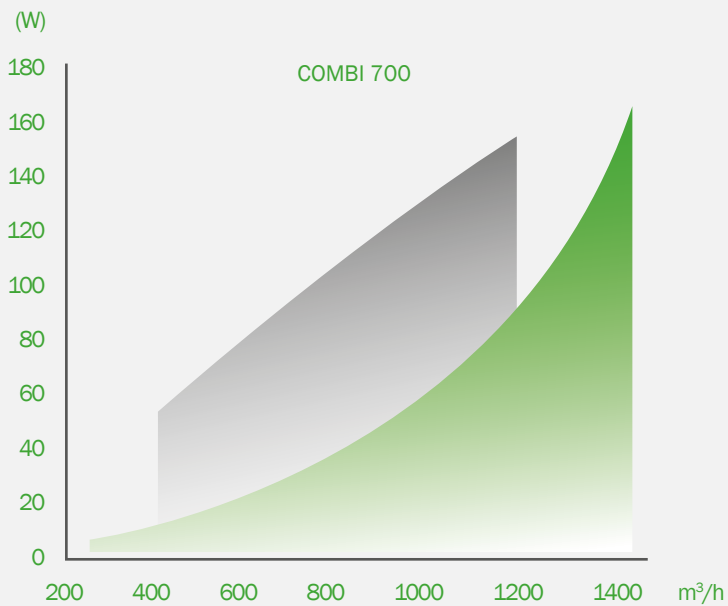
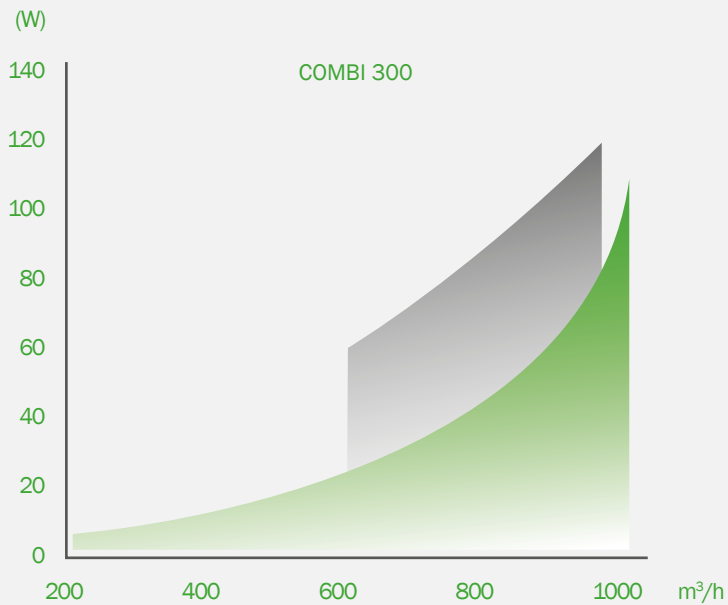


ECM motors, not only as a savings guarantee

The COMBI system is equipped with brushless ECM motors of the latest generation, as a guarantee of a perfect combination of high performance, excellent reduction of energy consumption and low ambient noise emission.

Fundamental plus of these innovative fan groups is the capacity to modulate in a precise and constant way the air flow based on actual working loads required for the benefit of a reduction of consumption, absence of unnecessary waste and greater psychological and physical comfort in an environment guaranteed by greater management sensitivity and low noise thanks to the intelligent management of air flow.

The diagram shows the comparison between the absorption of asynchronous centrifugal motor and brushless centrifugal ECM motor with the same air flow.



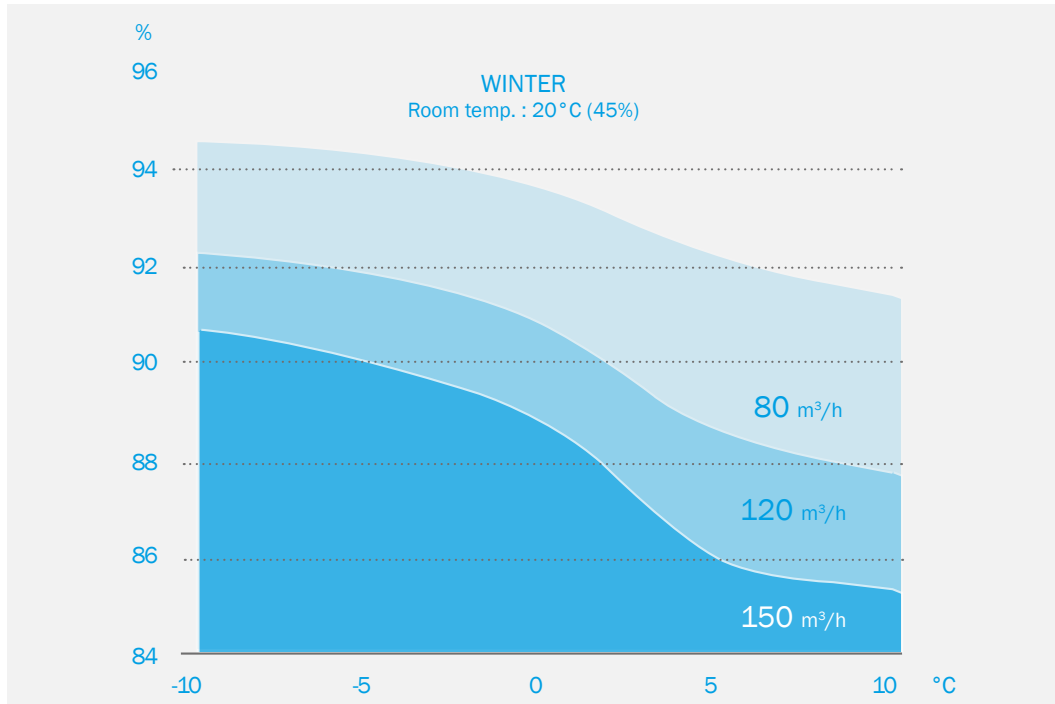
■ Asynchronous motor ■ ECM motor



Heat recovery efficiency

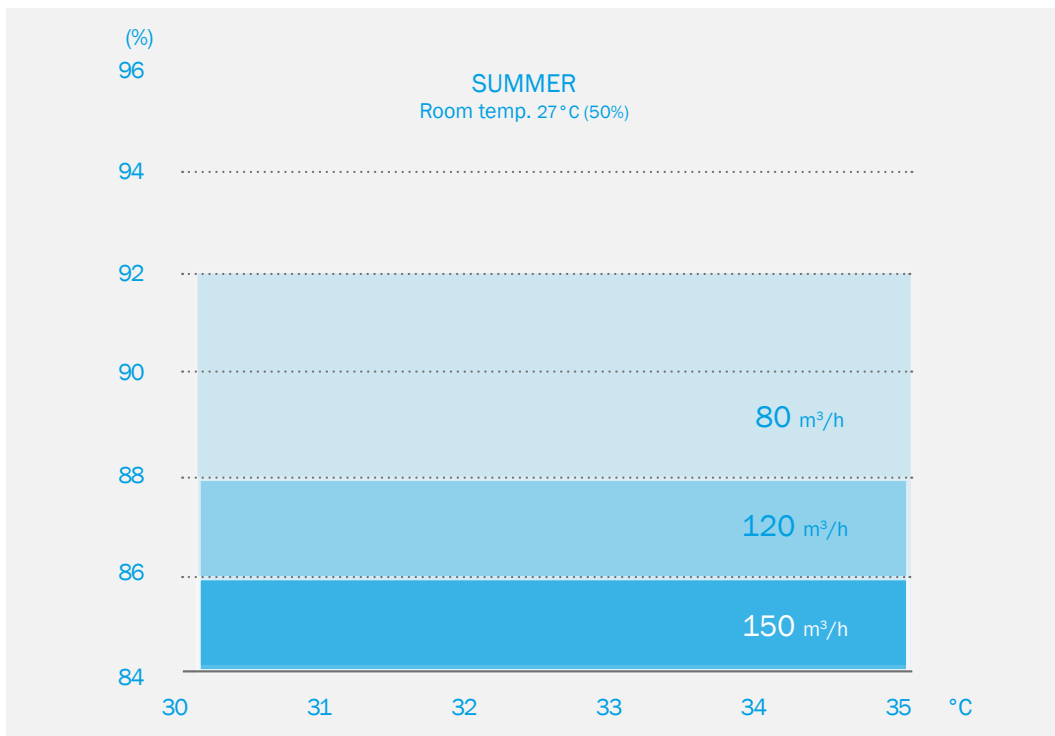
WINTER

Representation of the degree of efficiency of the plate heat exchanger, with external temperatures between -10 °C and +10 °C; relative humidity of 70%.



SUMMER

Representation of the degree of efficiency of the plate heat exchanger, with external temperatures between 30°C and 35°C; relative humidity of 50%.



Note: for temperatures below 0°C is important to use a defrosting system, managed by the control unit.

Cooling mode

1 RECIRCULATION AIR INLET

The air is drawn from rooms less predisposed to generate stale air like living room and/or bedroom and, after a suitable filtration, is allowed to flow to the part used for the treatment

2 STALE AIR INLET

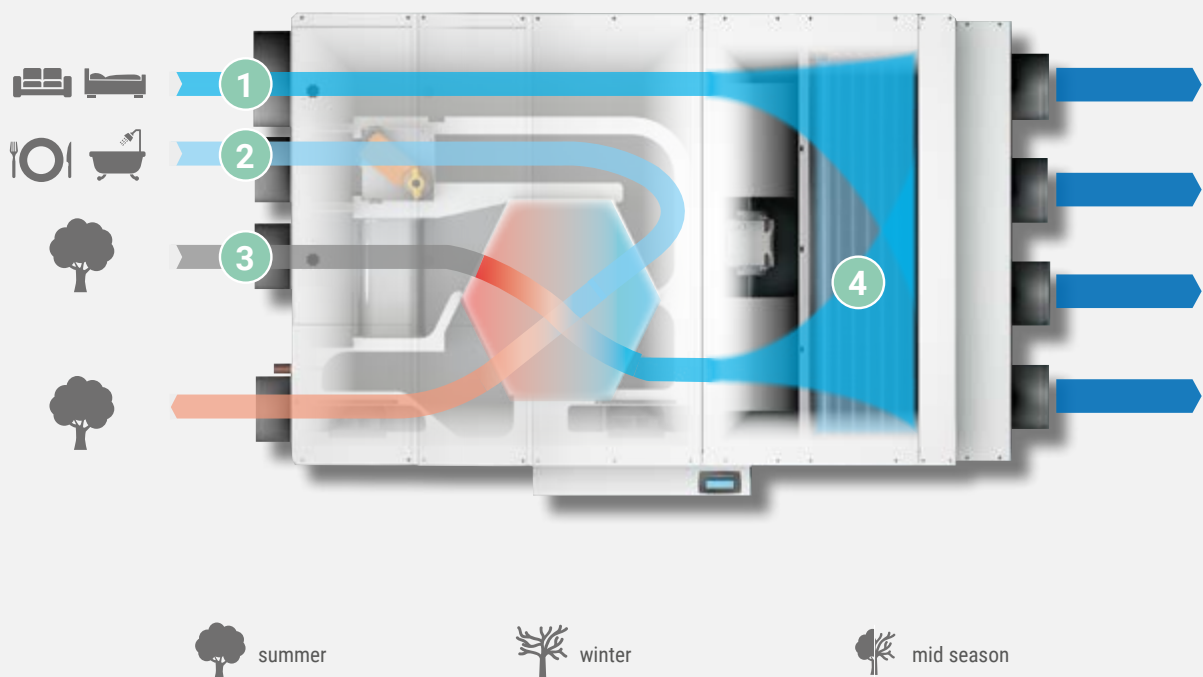
The stale air, usually taken from the kitchens and bathrooms, before being ejected is made to flow through the plate heat exchanger to recover up to 92% of the thermal energy that otherwise would be unnecessarily wasted.

3 EXTERNAL AIR INLET

The hot and moist air, taken from the outside and used for the renewal is inserted into the unit and, after a suitable filtration to remove contaminants, is conveyed through the heat recovery assimilating up to 92% of the thermal energy transferred from the outgoing cold stale air, and then flow to the part used for the treatment. If the external conditions are in line with the required internal load, the primary air through the By-pass function that is automatically activated with the dedicated control, will be entered directly into the room after a suitable filtration.

4 TREATMENT

The air mix thus obtained, composed partly of recirculated air and partly by pre-treated new fresh air, it is now cooled by the coil according to the exact requirements of comfort selected by the user, before to be re-entered in the environments through dedicated multiplexed distribution network



Heating mode

1 RECIRCULATION AIR INLET

The air is drawn from rooms less predisposed to generate stale air like living room and/or bedroom and, after a suitable filtration, is allowed to flow to the part used for the treatment.

2 STALE AIR INLET

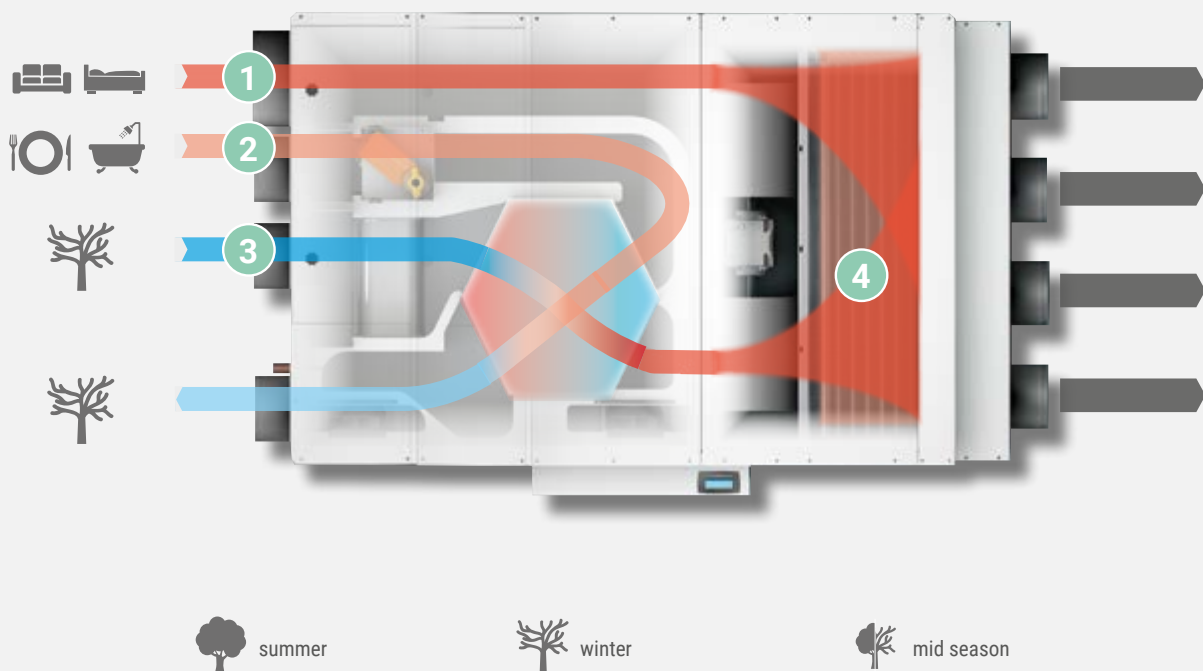
The stale air, usually taken from the kitchens and bathrooms, before being ejected is made to flow through the plate heat exchanger to recover up to 94% of the thermal energy that otherwise would be unnecessarily wasted.

3 EXTERNAL AIR INLET

The cold and moist air, taken from the outside and used for the renewal is inserted into the unit and, after a suitable filtration to remove contaminants, is conveyed through the heat recovery assimilating up to 94% of the thermal energy transferred from the outgoing warm stale air, and then flow to the part used for the treatment. If the external conditions are in line with the required internal load, the primary air through the By-pass function that is automatically activated with the dedicated control, will be entered directly into the room after a suitable filtration.

4 TREATMENT

The air mix thus obtained, composed partly of warm recirculated air and partly by pre-treated new fresh air, is now heated by the coil according to the exact requirements of comfort selected by the user, before to be re-entered in the environments through dedicated multiplexed distribution network.



FC Free cooling mode

1 RECIRCULATION AIR INLET

The air is drawn from rooms less predisposed to generate stale air like living room and/or bedroom and, after a suitable filtration, is allowed to flow to the part used for the treatment.

2 STALE AIR INLET

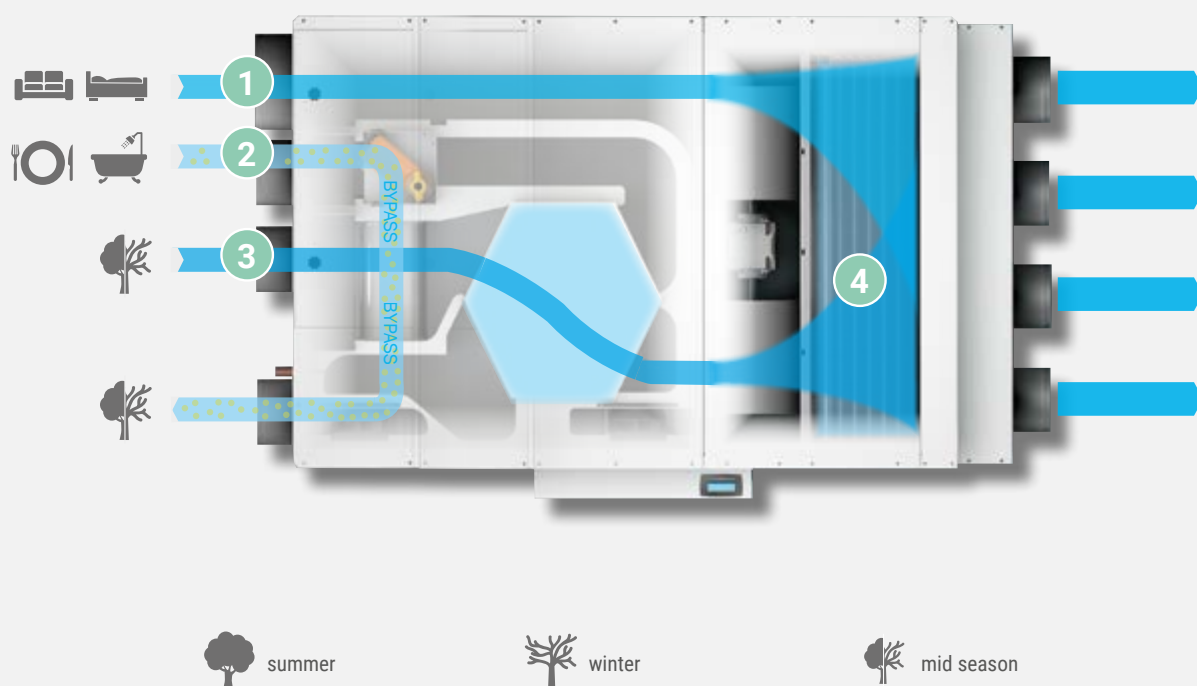
The stale air, usually taken from the kitchens and bathrooms, is directly ejected outside of the building.

3 EXTERNAL AIR INLET

If the cool external conditions are in line with the required internal load, the primary air through the By-pass function that is automatically activated with the dedicated control, will be entered directly into the room after a suitable filtration.

4 TREATMENT (IF NEEDED ONLY)

The air mix thus obtained, composed partly of recirculated air and partly by fresh air sourced in free cooling, it is now further cooled only if needed by the coil according to the exact requirements of comfort selected by the user, before to be re-entered in the environments through dedicated multiplexed distribution network.



FH Free heating mode

1 RECIRCULATION AIR INLET

The air is drawn from rooms less predisposed to generate stale air like living room and/or bedroom and, after a suitable filtration, is allowed to flow to the part used for the treatment.

2 STALE AIR INLET

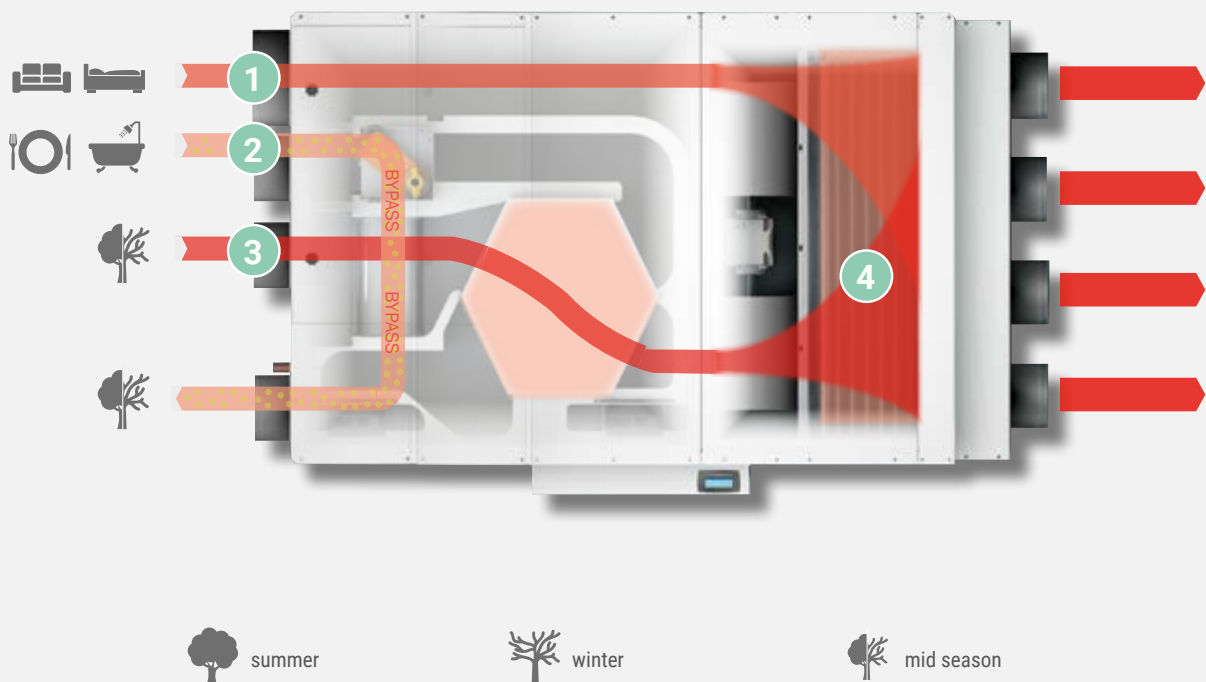
The stale air, usually taken from the kitchens and bathrooms, is directly ejected outside of the building.

3 EXTERNAL AIR INLET

If the warm external conditions are in line with the required internal load, the primary air through the By-pass function that is automatically activated with the dedicated control, will be entered directly into the room after a suitable filtration.

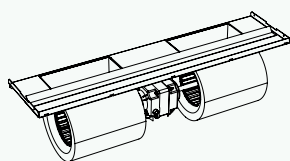
4 TREATMENT (IF NEEDED ONLY)

The air mix thus obtained, composed partly of recirculated air and partly by fresh air sourced in free heating, it is now further heated only if needed by the coil according to the exact requirements of comfort selected by the user, before to be re-entered in the environments through dedicated multiplexed distribution network.



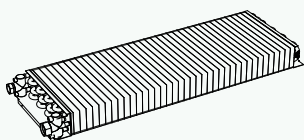
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



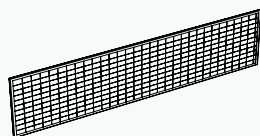
Fan section:

In addition to the asynchronous motor, the series can also be supplied with high head motors or motors equipped with thermal protection (fail contact).
On request also motors with special requirements.



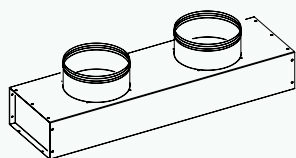
Coil:

4-row coils for 2-pipe systems, 1-row for 4-pipe systems or R410A DX coil.



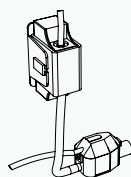
Filters:

for the air treatment part, as an alternative to the filter supplied as standard with efficiency G1 * / EU1 **, class G2 * / EU2 ** filters or specific filters can be supplied on request. (* according to EN779 / ** according to Eurovent)



Plenum:

wide range of plenums, ducts, return / supply vents and flexible connection for every installation requirement.
Fully customized plenums can also be made on request.

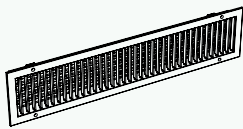


Auxiliary condensate drain pump



Auxiliary drain pan

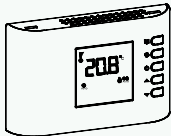
for horizontal or vertical unit



Grills:

supply or intake grills adjustable or fixed type made of anodized aluminium, also in the version already complete with integrated filter.

The grills can also be painted on request with the RAL color of your choice.



Control:

wide range of control devices also with dedicated microprocessor, and related accessories that allow you to manage the correct room temperature.

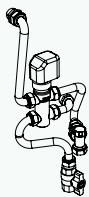
Multiple solutions available based on the installation type, the required performances and the type of investment.



Control accessories:

CO₂ sensor, VoC sensor, water low temperature sensor, antifreeze sensor, humidity sensor.

Where possible, they can also be supplied already installed and tested on the machine.



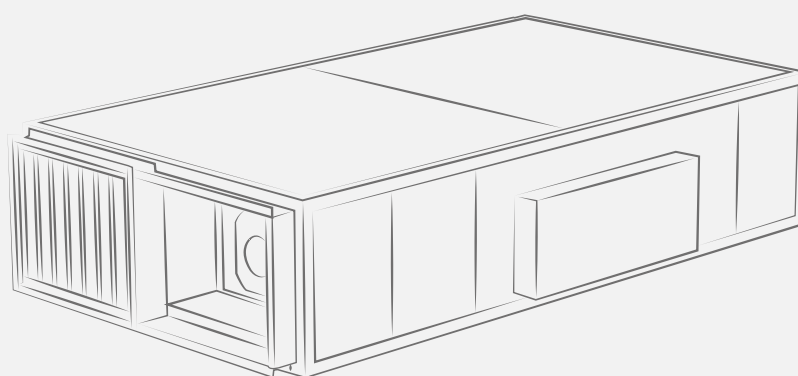
Valves:

wide range of valves, on/off, modulating, floating, two and three ways, which can be supplied already installed and tested or supplied pre-assembled but loose. Also available are the innovative dynamic balancing valves that guarantee effective flow stabilization by controlling the differential pressure, ensuring a constant flow capable of reducing operating costs and higher system efficiency.

FLOW-SHE/HHE

FLOW-SHE/HHE-ECM

High efficiency heat recovery unit



FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

High efficiency and energy savings

FLOW-SHE

 **400 - 4700** m³/h
air flow

 **75 - 86** %
thermal efficiency

FLOW-HHE

 **320 - 4300** m³/h
air flow

 **78 - 90** %
thermal efficiency

FLOW-SHE/HHE
FLOW-SHE/HHE-ECM



Structure:

structure made of pre-painted sheet metal with sandwich-type removable panels of average thickness 23mm, with thermo-acoustic insulation in injected polyurethane with a density of 45 kg/m³.



Heat exchanger:

Air-to-air heat recovery unit in aluminum, static type with countercurrent flows with a close pitch with achievable performances up to over 90%.

The recuperator is removable from below for the model size 1, and laterally for all other sizes.



Air filter:

Standard air filters with efficiency ISO 16890 and PM1 55% (F7 EN 779) in supply and PM10 55% (M5 EN 779) in recovery, laterally removable. These filters use a composite polypropylene medium designed for use in systems with high air volumes, reduced installation spaces and limited load losses.



Fan section:

Fresh air inlet and exhaust fans of centrifugal type with double intake with forward blades with directly coupled motor, designed to optimize the air flow through the internal components minimizing noise.

The ECM versions are equipped with innovative high-efficiency brushless motors.



Condensate drain pan:

Made of galvanized steel plate with water drain connection downwards.



Differential pressure switches:

Fresh air filter pressure switch with visual warning of dirty filter alarm supplied, also available on request an additional pressure switch on the expulsion side.



By-pass free cooling:

The unit is equipped with a partial by-pass of the recuperator for defrosting or free cooling, with a manual opening system (supplied with standard) or an automatic servo control (optional). The automatic version can be controlled by an external consent or even by an integrated electronic management.



Installation:

The range is suitable for horizontal installation with application in false ceilings or similar. Depending on the configuration of the distribution network and the space available, it will be possible to choose between two possible orientations named A or B.

The FLOW-SHE/HHE series of heat exchanger has been developed in order to guarantee a comfortable and healthy environment aiming for maximum efficiency, ensuring a high energy saving and relative reduction in operating costs.

The range consists of 6 sizes for the SHE / HHE series equipped with asynchronous motors and 8 sizes for the SHE / HHE-ECM series equipped with innovative brushless motors. The units are suitable for horizontal installation, with an air flow range from 320 a 4700 m³/h and recovery efficiencies up to over 90%.

The wide range of capacities and configurations allows to satisfy multiple application requirements for different areas ranging from residential to industrial area.

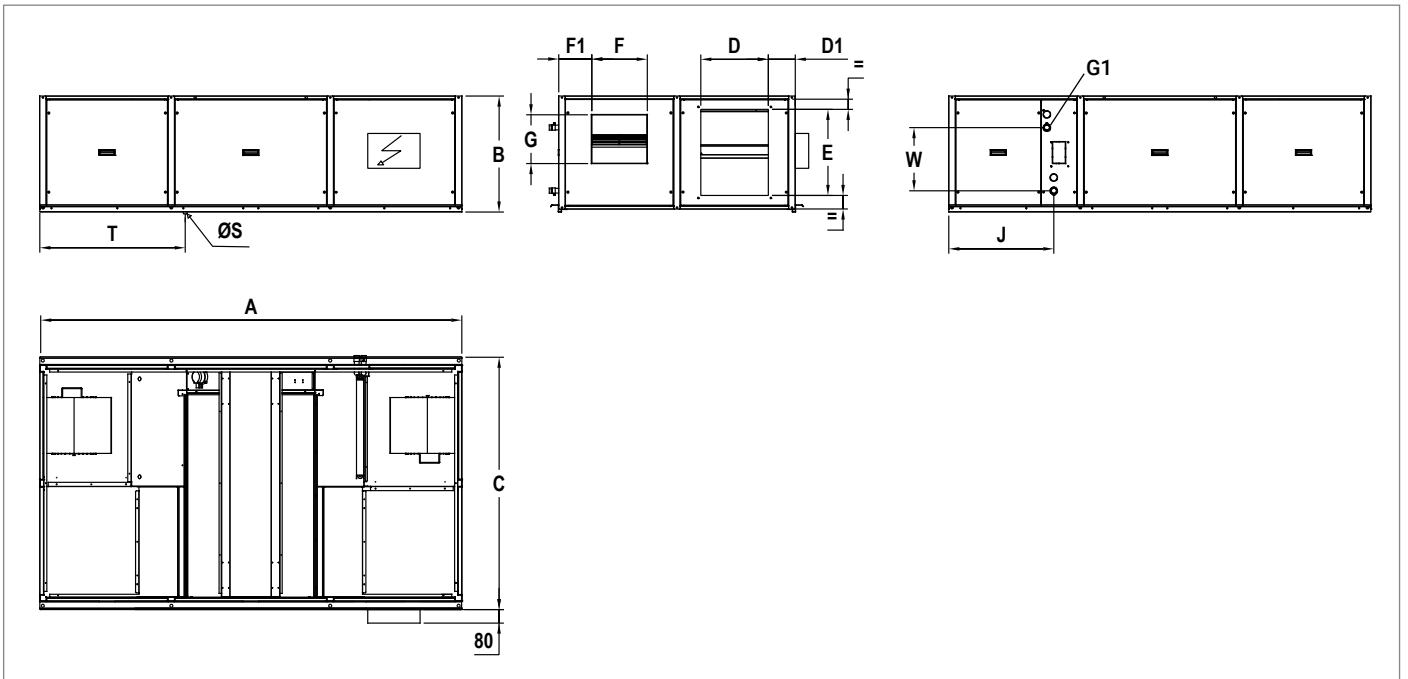
These series of heat exchanger have been suitably sized to comply with the requirements of the European Ecodesign Directive (EU Regulation 1253/14).



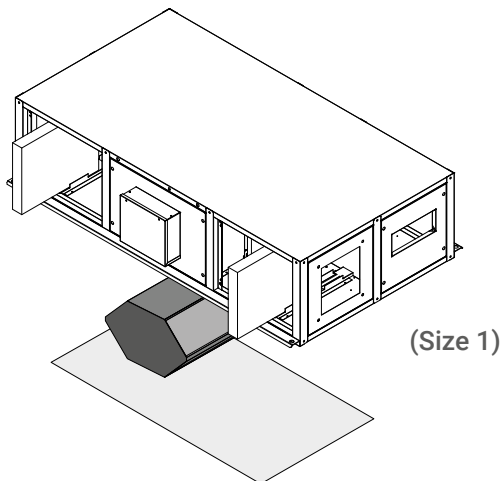
FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

Dimensions

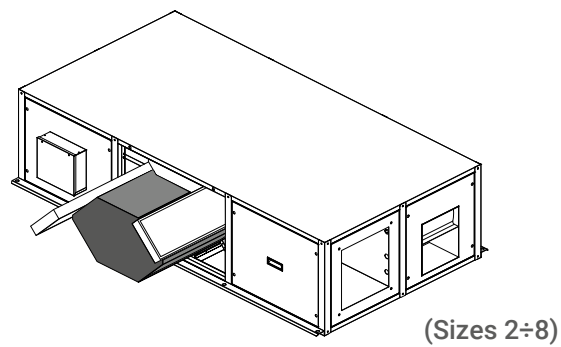
		1	2	3	4	5	6	7	8	
Lunghezza / Length / Longueur / Länge / Longitud	A	mm	1480	1940	1940	2200	2200	2500	2500	2500
Altezza / Height / Hauteur / Höhe / Altura	B	mm	380	480	480	550	550	680	680	680
Profondità / Depth / Profondeur / Tiefe / Profundidad	C	mm	800	990	990	1000	1400	1400	1400	1700
	D	mm	200	300	300	300	500	400	500	500
	D1	mm	110	100	100	100	100	150	100	185
	E	mm	210	310	310	410	410	510	510	510
	F	mm	230	230	230	230	300	330	405	405
	F1	mm	90	140	140	145	215	195	158	232
	G	mm	70	210	260	260	260	290	405	405
	G1	Ø inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"
	S	Ø inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	T	mm	355	697	697	778	779	863	863	863
	J	mm	412	550	550	550	550	620	620	620
	W	mm	177	190	190	265	350	375	375	375
Peso / Weight / Poids / Gewicht / Peso		kg	90	140	150	170	200	230	260	300



Accessibility (filters and heat recovery exchanger)



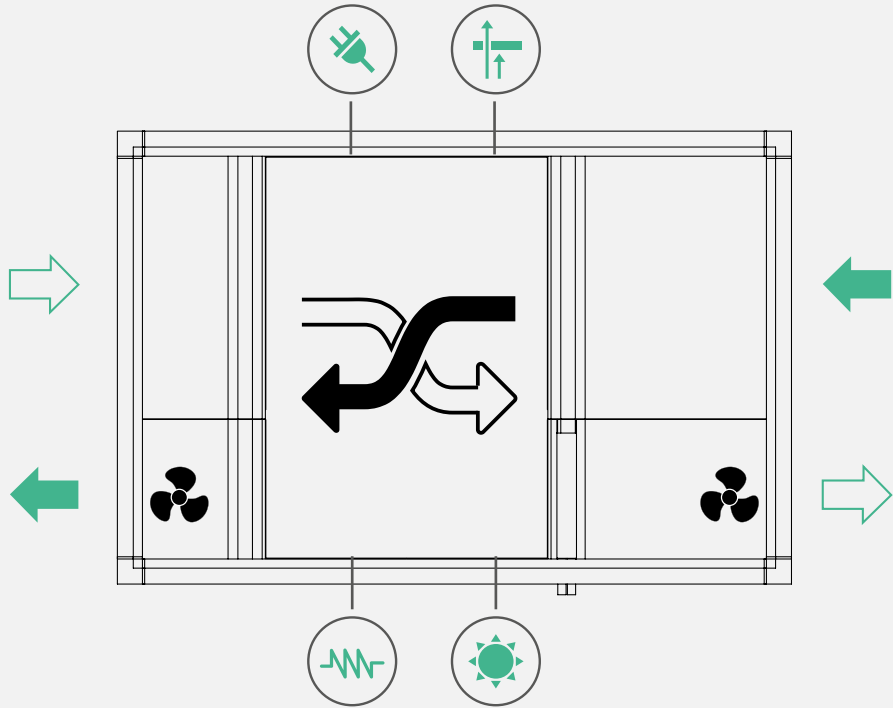
(Size 1)



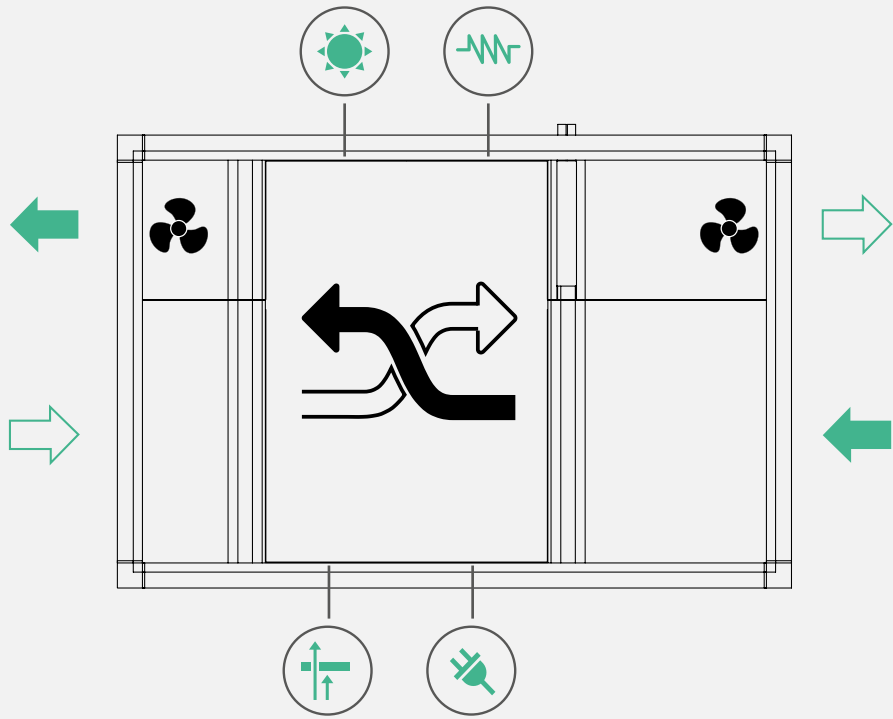
(Sizes 2÷8)

FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

Configuration type A



Configuration type B



The configurations are referred to the top view



exhaust air



fresh air



power outlet






air filter




electric heater



heating

		SHE-ECM								HHE-ECM								
 Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
Portata aria nominale Nominal airflow Débit d'air nominal Nennluftstrom Caudal de aire nominal	m³/h	400	750	1000	1500	2050	3200	3800	4700	320	600	800	1200	1600	2500	3500	4300	
Pressione statica utile nominale Nominal external static pressure Pression statique utile nominale Nominaler externer statischer Druck Presión estática útil nominal	Pa	160	120	130	160	120	180	200	200	165	150	160	160	150	250	200	200	
Pressione statica utile massima Maximum external static pressure Pression statique utile maxi Maximaler externer statischer Druck Presión estática máxima útil	Pa	340	210	520	500	540	375	330	200	380	300	600	450	600	440	350	220	
VENTILATORE / FAN VENTILATEUR / VENTILATOR / VENTILADOR																		
Tipologia motore Motor typology Typologie du moteur Motorentyp Tipología de motor		ECM																
N° velocità Speed Number Numéro de vitesse Anzahl der Geschwindigkeitsstufen No. de velocidades	(1)	Multiple																
Controllo ventilazione Fan control Contrôle de la ventilation Ventilatorsteuerung Control de ventilación	(1)	0-10V																
Potenza assorbita nominale totale Total nominal power input Puissance absorbée totale nominale Gesamtnennleistung Potencia absorbida nominal total	kW	0.16	0.30	0.49	0.76	0.84	1.77	1.78	2.19	0.16	0.24	0.32	0.53	0.61	1.32	1.87	2.27	
Corrente assorbita nominale totale Total nominal load amperage Courant absorbé nominal total Gesamtnennstrom Corriente absorbida nominal total	A	0.7	1.3	2.1	3.2	3.6	7.5	7.6	9.3	0.7	1.0	1.4	2.2	2.6	5.6	8.0	9.6	
Efficienza statica dei ventilatori secondo (UE) n.327/2011 Static efficiency of fans (UE) n.327/2011 Efficacité statique des ventilateurs selon (EU) n.327 / 2011 Statischer Wirkungsgrad von Lüftern gemäß (EU) Nr. 327/2011 Eficiencia estática de los ventiladores según (UE) n. 327/2011	%	32.7	32.7	53.2	53.2	55.9	59.8	66.9	66.9	32.73	32.73	53.2	53.2	55.9	59.8	66.9	66.9	
Potenza assorbita massima totale Total full load power input Puissance absorbée totale maximale Gesamtleistungsaufnahme bei Vollast Potencia absorbida máxima total	kW	0.56	0.56	2.12	2.12	2.12	2.35	2.07	2.07	0.56	0.56	2.12	2.12	2.12	2.35	2.07	2.07	
Corrente assorbita massima totale Total full load amperage Courant absorbé maximal total Gesamtstromaufnahme bei Vollast Corriente absorbida máxima total	A	2.4	2.4	9.0	9.0	9.0	10.0	8.8	8.8	2.4	2.4	9.0	9.0	9.0	10.0	8.8	8.8	
Alimentazione elettrica Power supply Alimentation électrique Stromversorgung Fuente de alimentación	V/ph/Hz	230/1/50			230/1/50-60					230/1/50		230/1/50-60						
RECUPERATORE DI CALORE / HEAT RECOVERY UNITS RÉCUPÉRATEURS DE CHALEUR / WÄRMERÜCKGEWINNUNG / RECUPERADOR DE CALOR																		
 Efficienza termica invernale Winter thermal efficiency Efficacité thermique hivernale Wärmewirkungsgrad im Winter Eficiencia térmica invernal	(2)	%	83.6	82.9	81.6	83.3	83.7	86.8	84.1	84.2	90.2	91.1	90.0	90.0	90.4	91.5	90.1	90.2
 Efficienza termica estiva Summer thermal efficiency Efficacité thermique d'été Wärmewirkungsgrad im Sommer Eficiencia térmica de verano	(3)	%	75.5	75.9	74.5	75.1	75.6	78.0	75.0	75.1	79.6	80.1	78.7	79.2	79.8	80.0	78.4	78.5
Efficienza termica a secco Dry thermal efficiency Efficacité thermique sèche Trockener thermischer Wirkungsgrad Eficiencia térmica seca	(4)	%	75.9	76.4	75.0	75.6	76.0	76.3	75.5	75.6	83.1	83.7	82.2	82.7	83.3	83.5	81.8	81.9
(1)	Multiple = Multivelocità > 3 / Multispeed > 3 / Multi-vitesse > 3 / Mehrfache Geschwindigkeit > 3 / Multivelocidad > 3 0-10V = Da potenziometro o tastiera / By potentiometer or control panel / Par clavier ou potentiomètre / über Potentiometer oder Bediengerät / Desde potenciómetro o teclado																	
(2)	Aria esterna, aria ambiente / Outside air, ambient air / Air extérieur, air ambiente / Aussenluft, umgebungsluft / Aire exterior, aire ambiente										-5°C 80% UR / 20°C 50% UR							
(3)	Aria esterna, aria ambiente / Outside air, ambient air / Air extérieur, air ambiente / Aussenluft, umgebungsluft / Aire exterior, aire ambiente										32°C 50% UR / 26°C 50% UR							
(4)	Secondo regolamento UE 1253/2014: alla pressione nominale; condizioni di temperatura e umidità riferite a EN 308 / Refer to EU 1253/2014 regulation: at nominal pressure; air conditions refer to EN 308 standard / Selon le règlement UE 1253/2014: à la pression nominale; conditions de température et d'humidité selon EN 308 / Gemäß EU-Verordnung 1253/2014: bei Nenndruck; Temperatur- und Feuchtigkeitsbedingungen gemäß EN 308 / Según el reglamento UE 1253/2014: a presión nominal; condiciones de temperatura y humedad referidas a EN 308.																	



Performance technical data

 Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM	SHE-ECM								HHE-ECM								
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
LIMITI DI FUNZIONAMENTO / OPERATING LIMITS																	
LIMITES DE FONCTIONNEMENT / EINSATZGRENZEN / LIMITES DE FUNCIONAMIENTO																	
Condizioni di temperatura / umidità limite esterne Outdoor temperature / humidity working limits Conditions de température / humidité limite externe Aussentemperatur / Luftfeuchtigkeitseinsatzgrenzen Condiciones ambientales : humedad límite exterior	°C/%	-5 ... +45 °C / 5 ... 95%															
Condizioni di temperatura / umidità limite esterne con accessorio sezione 3 serrande di sbrinamento o resistenza elettrica di pre-riscaldamento Outdoor temperature / humidity working limits with 3 dampers defrosting section or electric pre-heating coil option Conditions de température / humidité limite externe with 3 dampers defrosting section or electric pre-heating coil option Aussentemperatur / Luftfeuchtigkeitseinsatzgrenzen mit Sektion 3 Abtauklappen Zubehör oder Elektroheizwiderstand für integrierte Vorheizung Condiciones ambientales: humedad límite exterior con accesorio Sección 3 compuertas de descongelación o Resistencia eléctrica de precalentamiento integrada	°C/%	-15 ... +45 °C / 5 ... 95%															
Condizioni di temperatura / umidità limite interne Indoor temperature / humidity working limits Conditions de température / humidité limite interne Innentemperatur / Luftfeuchtigkeitseinsatzgrenzen Condiciones ambientales / humedad límite interior	°C/%	+10 ... +35 °C / 10 ... 90%															
DATI SPECIFICI ECODESIGN / ECODESIGN SPECIFIC DATA																	
DOMNÉES SPÉCIFIQUES À L'ÉCODESIGN / SPEZIFISCHE ECODESIGNDATEN / DATOS ESPECÍFICOS DE ECODISEÑO																	
Tipologia dichiarata Declared typology Typologie déclarée Deklarierte typ Tipología declarada		UVNR - UVB															
Potenza specifica interna dei componenti della ventilazione (SFPint) Internal specific fan power of ventilation components (SFPint) Puissance spécifique des composants internes de ventilation (SFPint) Interne spezifische Leistung von Lüftungskomponenten (SFPint) Potencia interna específica de los componentes de ventilación (SFPint)	(4) W/(m³/s)	705	742	1059	1048	898	1040	949	935	830	608	722	866	722	816	1157	1129
Potenza massima specifica interna dei componenti della ventilazione (SFPint_limit) Maximum internal specific fan power of ventilation components (SFPint_limit) Puissance spécifique maximale des composants internes de ventilation (SFPint_limit) Maximale spezifische Innenleistung der Lüftungskomponenten (SFPint_limit) Potencia específica interna mxima de componentes de ventilación (SFPint_limit)	W/(m³/s)	1170	1171	1118	1116	1105	1066	1017	982	1390	1396	1343	1341	1342	1311	1218	1188
Velocità frontale alla portata nominale Air speed at the air flow rate Vitesse frontale au débit nominal Luftgeschwindigkeit bei gewähltem Luftstrom Velocidad del aire en contraposición al caudal nominal del aire	m/s	0.93	1.36	1.81	2.00	1.83	2.06	2.44	2.42	0.74	1.08	1.45	1.60	1.42	1.61	2.25	2.21
Perdita di pressione dei componenti interni della ventilazione (Δps.int) Internal pressure drop of ventilation components (Δps.int) Perte de pression des composants internes de la ventilation (Δps.int) Druckverlust der internen Lüftungskomponenten (Δps, int) Pérdida de carga de los componentes internos de la ventilación (Δps, int)	Pa	140	119	179	202	177	194	252	248	135	105	154	184	157	183	294	287
Massimo trafileamento esterno dell'involucro Declared maximum external leakage rates of the casing of ventilation units Fuite externe maximale du boîtier Maximale externe Leckage des Gehäuses Fuga externa máxima del envolvente	%	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5
Massimo trafileamento interno o flusso residuo Declared maximum internal leakage rates for bidirectional ventilation units Fuite interne maximale ou débit résiduel Maximale Lecklufttrate des Gehäuses Fuga interna máxima o flujo residual	%	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Consumo annuo calcolato di energia dei filtri (8760 h di funzionamento) Calculated annual energy consumption of the F7 and M5 filter (8760 hours of operation) Consommation annuelle d'énergie des filtres calculée (8760 h de fonctionnement) Berechneter jährlicher Energieverbrauch der Filter (8760 Betriebsstunden) Consumo energético anual calculado de los filtros (8760 h en funcionamiento)	kWh/a	487	1448	1684	2862	3325	4036	5456	6649	297	884	1028	1747	1922	2229	4476	5368
Livello di potenza sonora irradiato dall'involucro (LWA) Sound power level (LWA) Niveaux de puissance acoustique rayonné (LWA) Schalleistungspegel, der vom Gehäuse abgestrahlt wird (LWA) Nivel de potencia acústica transmitida por el envolvente (LWA)	(5) dB (A)	57	60	59	61	59	64	66	68	56	57	60	60	60	66	68	67

FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

(4) Secondo regolamento UE 1253/2014: alla pressione nominale; condizioni di temperatura e umidità riferite a EN 308 / Refer to EU 1253/2014 regulation: at nominal pressure; air conditions refer to EN 308 standard / Selon le règlement UE 1253/2014: à la pression nominale, conditions de température et d'humidité selon EN 308 / Gemäß EU-Verordnung 1253/2014: bei Nenndruck; Temperatur- und Feuchtigkeitsbedingungen gemäß EN 308 / Según el reglamento UE 1253/2014: a presión nominal; condiciones de temperatura y humedad referidas a EN 308.

(5) Livello di potenza sonora alle condizioni di funzionamento nominali / Sound power level at nominal working conditions / Niveaux de puissance acoustique à les conditions nominales de fonctionnement / Schalleistungspegel bei Nennbetriebsbedingungen / Nivel de potencia acústica en condiciones nominales de funcionamiento

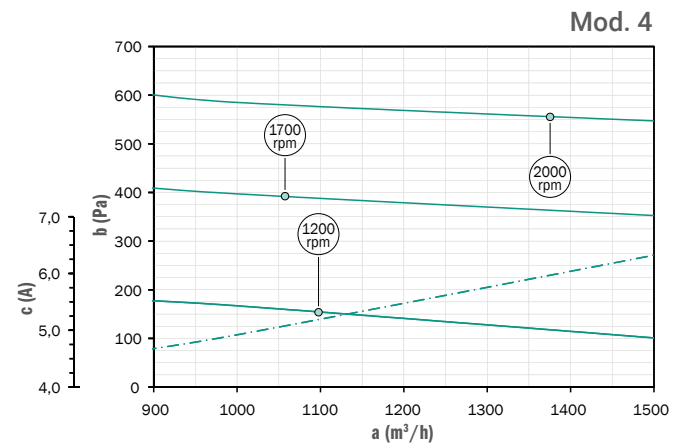
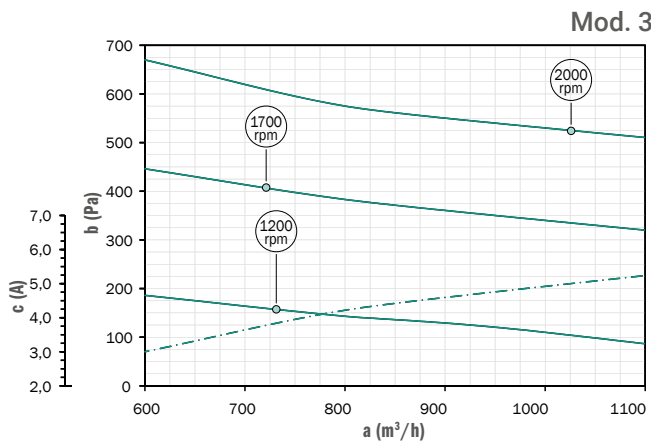
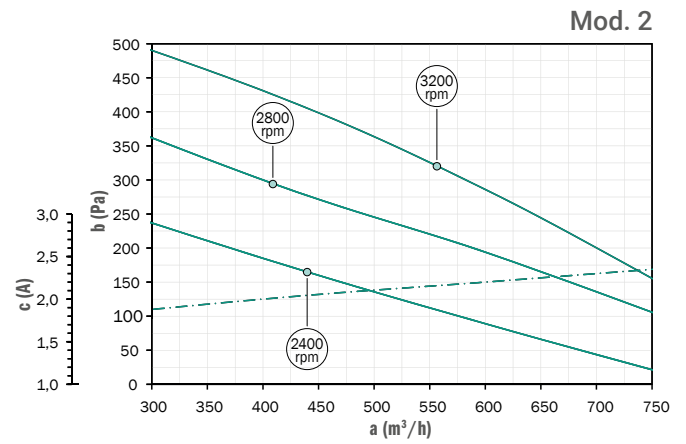
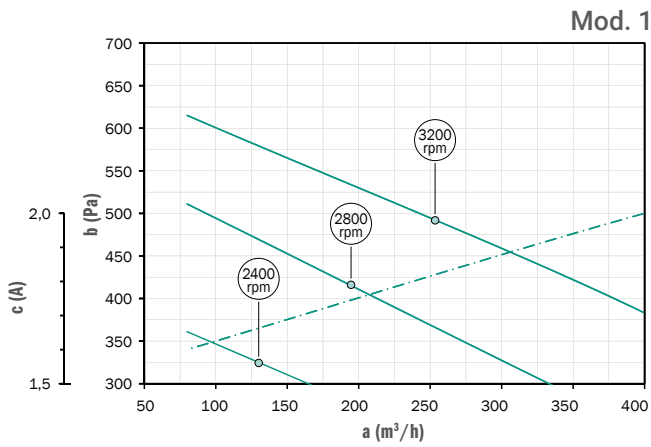
		SHE						HHE						
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono		1	2	3	4	5	6	1	2	3	4	5	6	
Portata aria nominale Nominal airflow Débit d'air nominal Nennluftstrom Caudal de aire nominal	m ³ /h	400	750	1000	1500	2050	3200	320	600	800	1200	1600	2500	
Pressione statica utile nominale Nominal external static pressure Pression statique utile nominale Nominaler externer statischer Druck Presión estática útil nominal	Pa	160	120	130	160	120	180	165	150	160	160	150	250	
Pressione statica utile massima Maximum external static pressure Pression statique utile maxi Maximaler externer statischer Druck Presión estática máxima útil	Pa	160	120	130	160	120	180	165	150	160	160	150	250	
VENTILATORE / FAN VENTILATEUR / VENTILATOR / VENTILADOR														
Tipologia motore Motor typology Typologie du moteur Motorentyp Tipología de motor		AC												
N° velocità Speed Number Numéro de vitesse Anzahl der Geschwindigkeitsstufen No. de velocidades		3												
Controllo ventilazione Fan control Contrôle de la ventilation Ventilatorsteuerung Control de ventilación	(1)	Manuale - Manual												
Potenza assorbita nominale totale Total nominal power input Puissance absorbée totale nominale Gesamtnennleistung Potencia absorbida nominal total	kW	0.17	0.38	0.52	0.80	1.00	1.79	0.22	0.32	0.35	0.59	0.70	1.60	
Corrente assorbita nominale totale Total nominal load amperage Courant absorbé nominal total Gesamtnennstrom Corriente absorbida nominal total	A	0.7	1.6	2.2	3.4	4.3	7.6	0.9	1.4	1.5	2.5	3.0	6.8	
Efficienza statica dei ventilatori secondo (UE) n.327/2011 Static efficiency of fans (UE) n.327/2011 Efficacité statique des ventilateurs selon (EU) n.327 / 2011 Statischer Wirkungsgrad von Lüftern gemäß (EU) Nr. 327/2011 Eficiencia estática de los ventiladores según (UE) n. 327/2011	%	N.A.	38.6	38.6	38.6	40.4	43.4	N.A.	38.6	38.6	38.6	40.4	43.4	
Potenza assorbita massima totale Total full load power input Puissance absorbée totale maximale Gesamtleistungsaufnahme bei Vollast Potencia absorbida máxima total	kW	0.35	0.68	1.41	1.41	1.41	3.29	0.35	0.68	1.41	1.41	1.41	3.29	
Corrente assorbita massima totale Total full load amperage Courant absorbé maximal total Gesamtstromaufnahme bei Vollast Corriente absorbida máxima total	A	1.5	2.9	6.0	6.0	6.0	14.0	1.5	2.9	6.0	6.0	6.0	14.0	
Alimentazione elettrica Power supply Alimentation électrique Stromversorgung Fuente de alimentación	V/ph/Hz	230/1/50			230/1/50-60			230/1/50			230/1/50-60			
RECUPERATORE DI CALORE / HEAT RECOVERY UNITS RÉCUPÉRATEURS DE CHALEUR / WÄRMERÜCKGEWINNUNG / RECUPERADOR DE CALOR														
 Efficienza termica invernale Winter thermal efficiency Efficacité thermique hivernale Wärmewirkungsgrad im Winter Eficiencia térmica invernal	(2)	%	83.6	82.9	81.6	83.3	83.7	86.8	90.2	91.1	90.0	90.0	90.4	91.5
 Efficienza termica estiva Summer thermal efficiency Efficacité thermique d'été Wärmewirkungsgrad im Sommer Eficiencia térmica de verano	(3)	%	75.5	75.9	74.5	75.1	75.6	78.0	79.6	80.1	78.7	79.2	79.8	80.0
Efficienza termica a secco Dry thermal efficiency Efficacité thermique sèche Trockener thermischer Wirkungsgrad Eficiencia térmica seca	(4)	%	75.9	76.4	75.0	75.6	76.0	76.3	83.1	83.7	82.2	82.7	83.3	83.5

(1)	Manuale da selettore o tastiera / Manual by selector switch or control panel / Manuel par le sélecteur ou le clavier / Manuell über Drehschalter oder Bediengerät / Manual desde selector o teclado												
(2)	Aria esterna, aria ambiente / Outside air, ambient air / Air extérieur, air ambiente / Aussenluft, umgebungsluft / Aire exterior, aire ambiente							-5°C 80% UR / 20°C 50% UR					
(3)	Aria esterna, aria ambiente / Outside air, ambient air / Air extérieur, air ambiente / Aussenluft, umgebungsluft / Aire exterior, aire ambiente							32°C 50% UR / 26°C 50% UR					
(4)	Secondo regolamento UE 1253/2014: alla pressione nominale; condizioni di temperatura e umidità riferite a EN 308 / Refer to EU 1253/2014 regulation: at nominal pressure; air conditions refer to EN 308 standard / Selon le règlement UE 1253/2014: à la pression nominale; conditions de température et d'humidité selon EN 308 / Gemäß EU-Verordnung 1253/2014: bei Nenndruck; Temperatur- und Feuchtigkeitsbedingungen gemäß EN 308 / Según el reglamento UE 1253/2014: a presión nominal; condiciones de temperatura y humedad referidas a EN 308.												

		SHE					HHE						
		1	2	3	4	5	6	1	2	3	4	5	6
Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono													
LIMITI DI FUNZIONAMENTO / OPERATING LIMITS LIMITES DE FONCTIONNEMENT / EINSATZGRENZEN / LIMITES DE FONCIONAMIENTO													
Condizioni di temperatura / umidità limite esterne Outdoor temperature / humidity working limits Conditions de température / humidité limite externe Aussentemperatur / Luftfeuchtigkeitseinsatzgrenzen Condiciones ambientales : humedad limite exterior	°C/%	-5 ... +45 °C / 5 ... 95%											
Condizioni di temperatura / umidità limite esterne con accessorio sezione 3 serrande di sbrinamento o resistenza elettrica di preriscaldamento Outdoor temperature / humidity working limits with 3 dampers defrosting section or electric pre-heating coil option Conditions de température / humidité limite externe with 3 dampers defrosting section or electric pre-heating coil option Aussentemperatur / Luftfeuchtigkeitseinsatzgrenzen mit Sektion 3 Abtauklappen Zubehör oder Elektroheizwiderstand für integrierte Vorheizung Condiciones ambientales: humedad límite exterior con accesorio Sección 3 compuertas de descongelación o Resistencia eléctrica de precalentamiento integrada	°C/%	-15 ... +45 °C / 5 ... 95%											
Condizioni di temperatura / umidità limite interne Indoor temperature / humidity working limits Conditions de température / humidité limite interne Innentemperatur / Luftfeuchtigkeitseinsatzgrenzen Condiciones ambientales / humedad limite interior	°C/%	+10 ... +35 °C / 10 ... 90%											
DATI SPECIFICI ECODESIGN / ECODESIGN SPECIFIC DATA DONNÉES SPÉCIFIQUES À L'ECODESIGN / SPEZIFISCHE ECODESIGNDATEN / DATOS ESPECÍFICOS DE ECODISEÑO													
Tipologia dichiarata Declared typology Typologie déclarée Deklarierte typ Tipologia declarada		UVNR - UVB											
Potenza specifica interna dei componenti della ventilazione (SFPint) Internal specific fan power of ventilation components (SFPint) Puissance spécifique des composants internes de ventilation (SFPint) Interne spezifische Leistung von Lüftungskomponenten (SFPint) Potencia interna específica de los componentes de ventilación (SFPint)	(4) W/(m³/s)	740	934	1105	1102	1078	1054	1153	821	793	974	830	988
Potenza massima specifica interna dei componenti della ventilazione (SFPint_limit) Maximum internal specific fan power of ventilation components (SFPint_limit) Puissance spécifique maximale des composants internes de ventilation (SFPint_limit) Maximale spezifische Innenleistung der Lüftungskomponenten (SFPint_limit) Potencia específica interna mxima de componentes de ventilación (SFPint_limit)	W/(m³/s)	1170	1171	1118	1116	1105	1066	1390	1396	1343	1341	1342	1311
Velocità frontale alla portata nominale Air speed at the air flow rate Vitesse frontale au débit nominal Luftgeschwindigkeit bei gewähltem Luftstrom Velocidad del aire en contraposición al caudal nominal del aire	m/s	0.93	1.36	1.81	2.00	1.83	2.06	0.74	1.08	1.45	1.60	1.42	1.61
Perdita di pressione dei componenti interni della ventilazione (Δps.int) Internal pressure drop of ventilation components (Δps.int) Perte de pression des composants internes de la ventilation (Δps.int) Druckverlust der internen Lüftungskomponenten (Δps, int) Pérdida de carga de los componentes internos de la ventilación (Δps, int)	Pa	140	119	179	202	177	194	135	105	154	184	157	183
Massimo trafileamento esterno dell'involucro Declared maximum external leakage rates of the casing of ventilation units Fuite externe maximale du boîtier Maximale externe Leckage des Gehäuses Fuga externa máxima del envolvente	%	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5	< 3,5
Massimo trafileamento interno o flusso residuo Declared maximum internal leakage rates for bidirectional ventilation units Fuite interne maximale ou débit résiduel Maximale Leckluffrate des Gehäuses Fuga interna máxima o flujo residual	%	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Consumo annuo calcolato di energia dei filtri (8760 h di funzionamento) Calculated annual energy consumption of the F7 and M5 filter (8760 hours of operation) Consommation annuelle d'énergie des filtres calculée (8760 h de fonctionnement) Berechneter jährlicher Energieverbrauch der Filter (8760 Betriebsstunden) Consumo energético anual calculado de los filtros (8760 h en funcionamiento)	kWh/a	613	1228	2320	3945	4601	5562	374	749	1416	2408	2659	3071
Livello di potenza sonora irradiato dall'involucro (LWA) Sound power level (LWA) Niveaux de puissance acoustique rayonné (LWA) Schalleistungspegel, der vom Gehäuse abgestrahlt wird (LWA) Nivel de potencia acústica transmitida por el envolvente (LWA)	(5) dB (A)	58	61	61	64	64	68	57	57	60	62	63	68

(4) Secondo regolamento UE 1253/2014: alla pressione nominale; condizioni di temperatura e umidità riferite a EN 308 / Refer to EU 1253/2014 regulation: at nominal pressure; air conditions refer to EN 308 standard / Selon le règlement UE 1253/2014: à la pression nominale; conditions de température et d'humidité selon EN 308 / Gemäß EU-Verordnung 1253/2014: bei Nenndruck; Temperatur- und Feuchtigkeitsbedingungen gemäß EN 308 / Según el reglamento UE 1253/2014: a presión nominal; condiciones de temperatura y humedad referidas a EN 308.

(5) Livello di potenza sonora alle condizioni di funzionamento nominali / Sound power level at nominal working conditions / Niveaux de puissance acoustique à les conditions nominales de fonctionnement / Schalleistungspegel bei Nennbetriebsbedingungen / Nivel de potencia acústica en condiciones nominales de funcionamiento

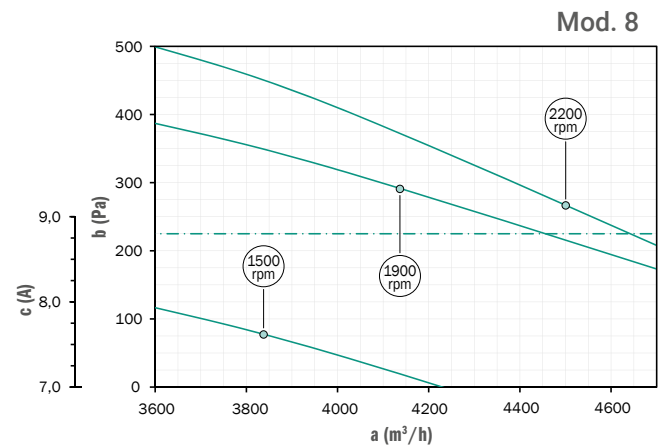
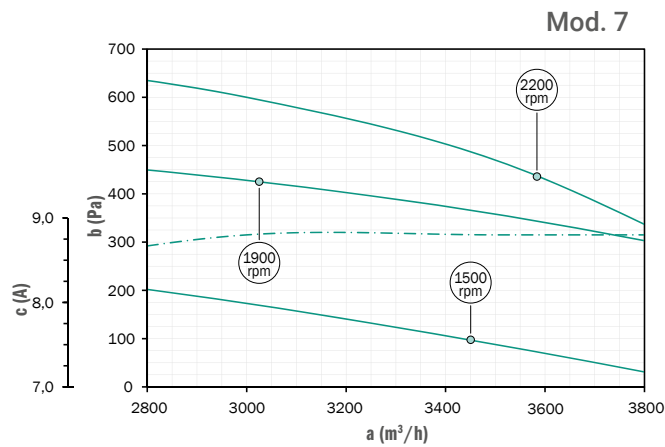
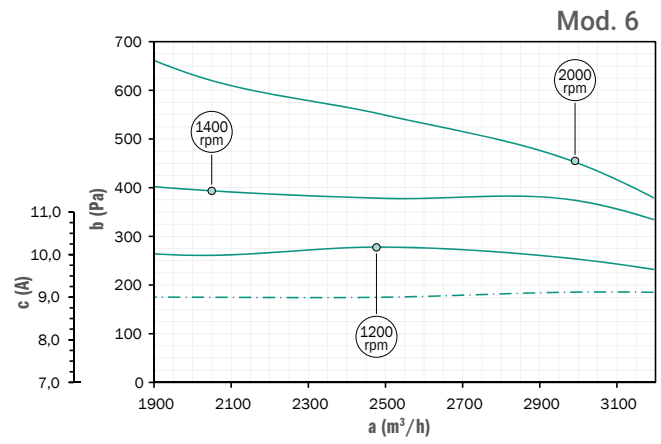
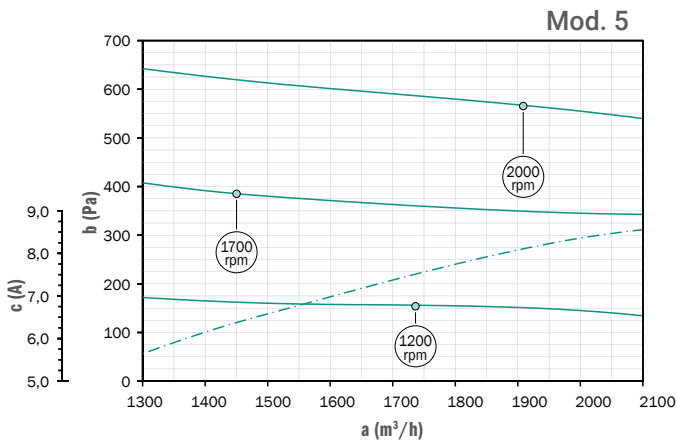


a (m³/h)	Portata aria / Air flow / Débit d'air / Luftstrom / Caudal de aire
	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
b (Pa)	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
	Corrente assorbita max / Max absorbed current / Courant absorbé max / Maximale Stromaufnahme / Corriente absorbida máx
c (A)	Corrente assorbita / Absorbed current / Courant absorbé / Stromaufnahme / Corriente absorbida

- Le curve indicano la pressione statica utile alle varie portate. Le curve tengono conto delle perdite di carico del recuperatore di calore e dei filtri standard.
 In presenza di altri accessori (es. batterie, silenziatori, ecc.), per ottenere la pressione statica utile effettiva bisogna sottrarre le perdite dovute ad altri componenti installati.
 - The curves indicate the static pressure useful for the various flow rates. The curves take into account the pressure drops of the heat recovery unit and standard filters.
 In the presence of other accessories (e.g. coils, silencers, etc.), in order to obtain the effective useful static pressure, the losses due to other installed components must be subtracted.
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 - Las curvas indican la presión estática útil a los distintos caudales. Las curvas tienen en cuenta las caídas de presión del intercambiador de calor y los filtros estándar.
 En presencia de otros accesorios (p. Ej. Baterías, silenciadores, etc.), para obtener la presión estática útil efectiva, es necesario restar las pérdidas debidas a otros componentes instalados.

Aerualic performances (ECM motor)

FLOW-SHE-ECM



a (m³/h)	Portata aria / Air flow / Débit d'air / Luftstrom / Caudal de aire
b (Pa)	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
c (A)	Corrente assorbita max / Max absorbed current / Courant absorbé max / Maximale Stromaufnahme / Corriente absorbida máx

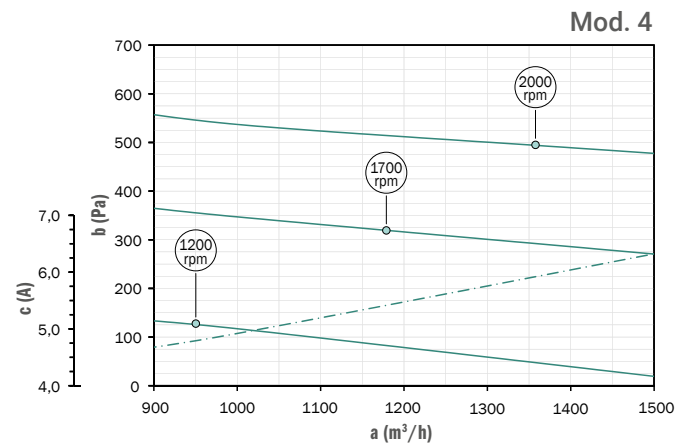
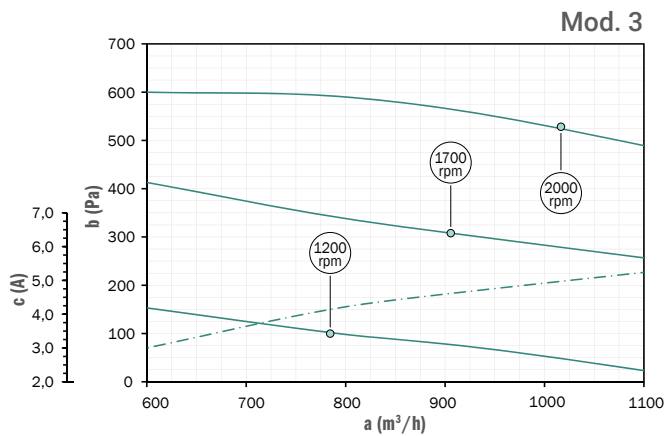
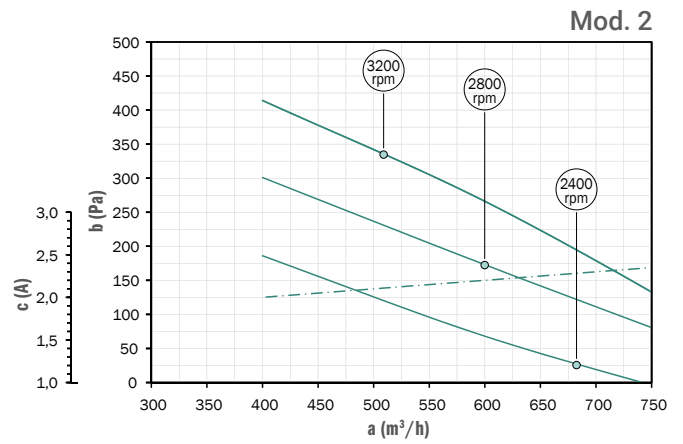
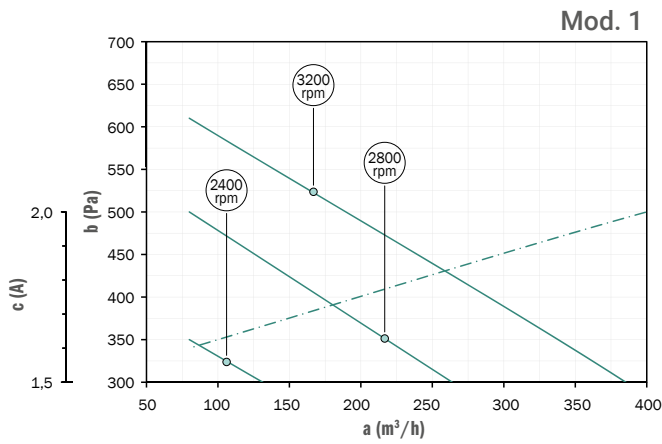
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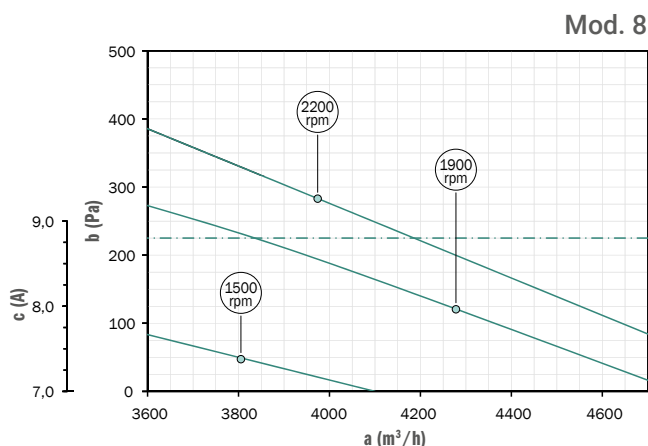
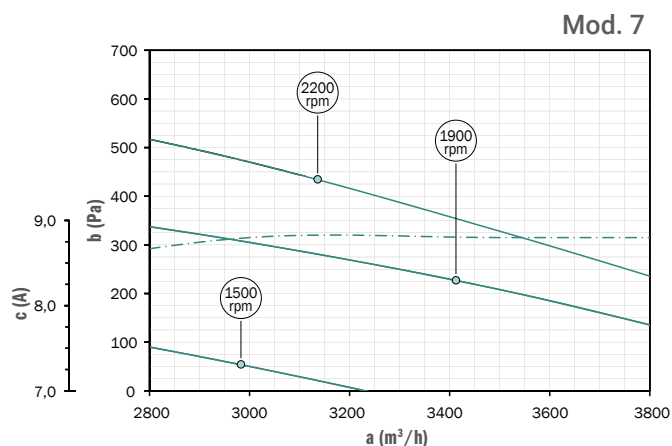
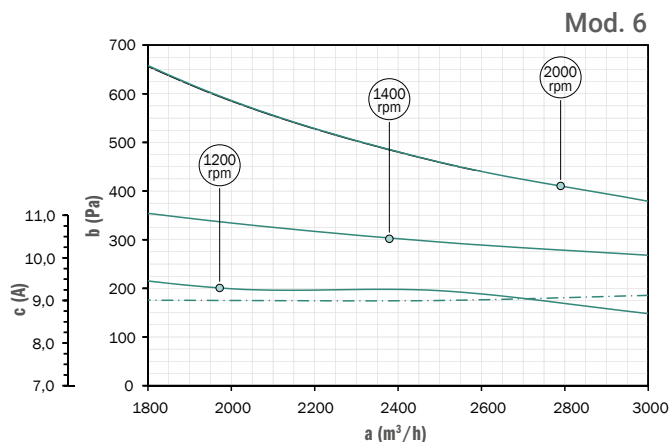
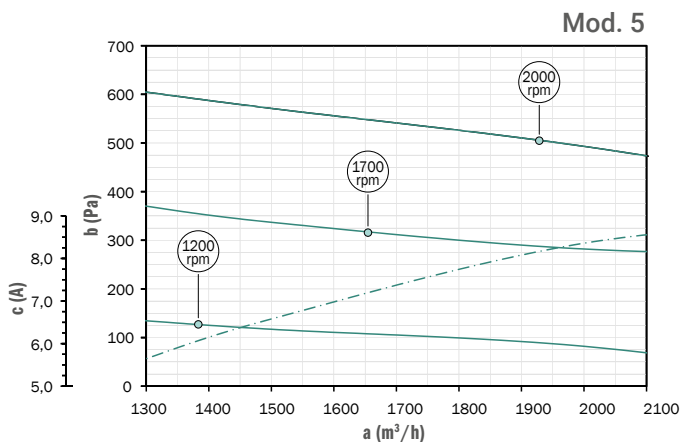
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 En presencia de otros accesorios (p. Ej. Baterías, silenciadores, etc.), para obtener la presión estática útil efectiva, es necesario restar las pérdidas debidas a otros componentes instalados.

FLOW-SHE/HHE
FLOW-SHE/HHE-ECM



a (m³/h)	Portata aria / Air flow / Débit d'air / Luftstrom / Caudal de aire
	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
b (Pa)	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
	Corrente assorbita max / Max absorbed current / Courant absorbé max / Maximale Stromaufnahme / Corriente absorbida máx
c (A)	Corrente assorbita / Absorbed current / Courant absorbé / Stromaufnahme / Corriente absorbida

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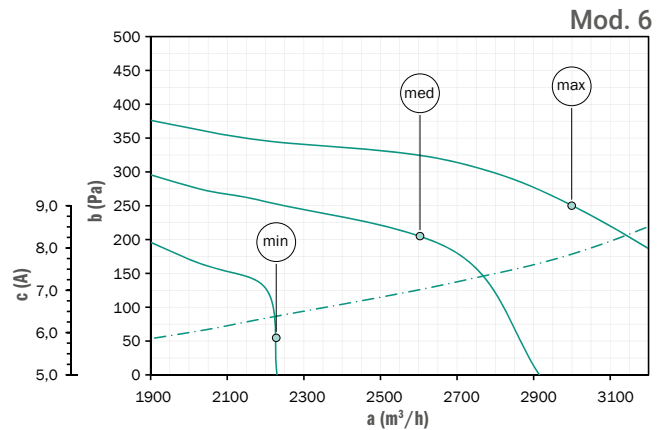
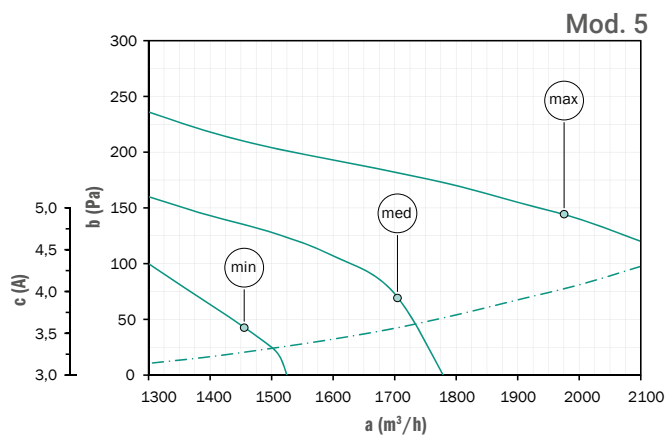
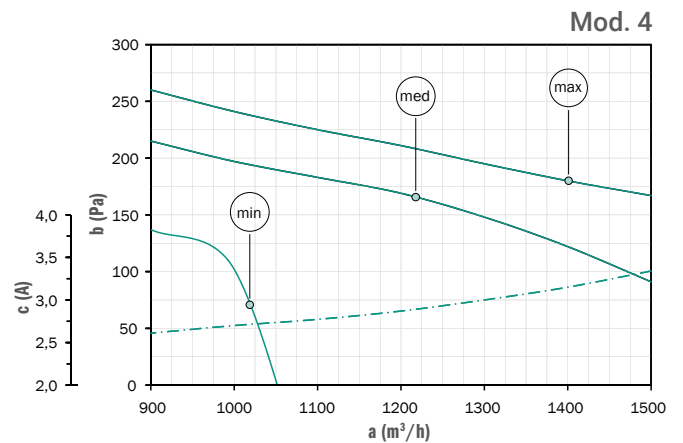
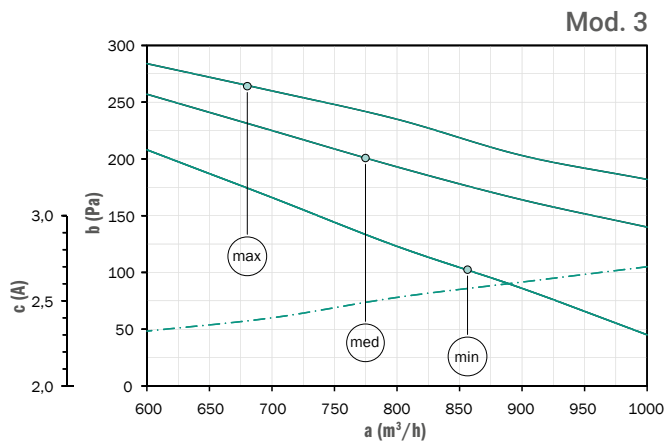
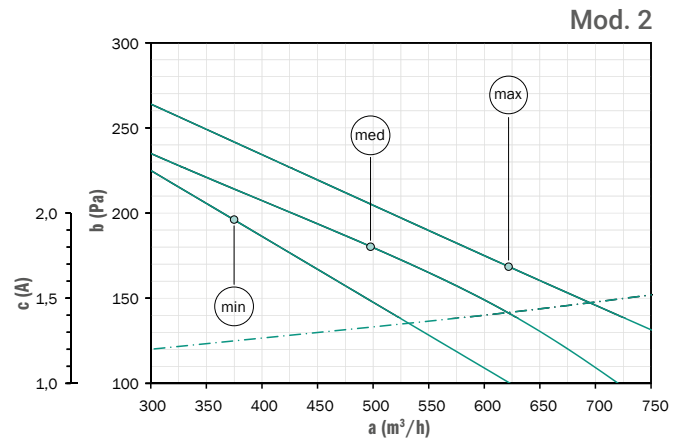
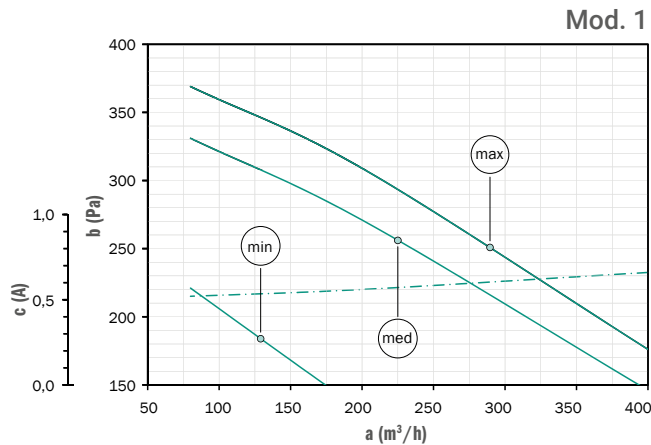
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FLOW-SHE/HHE
 FLOW-SHE/HHE-ECM



Aerualic performances (Asynchronous motor)

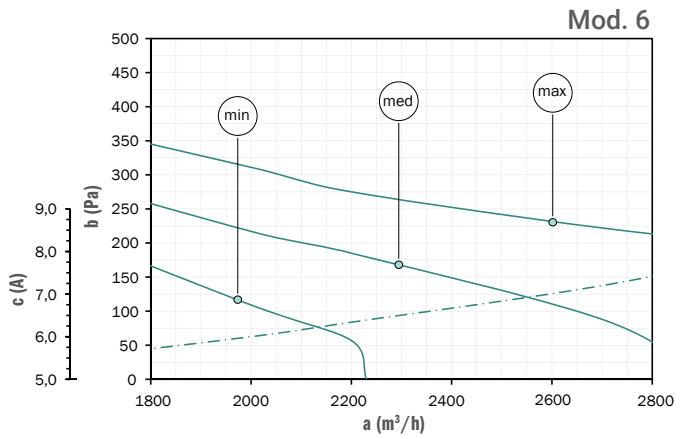
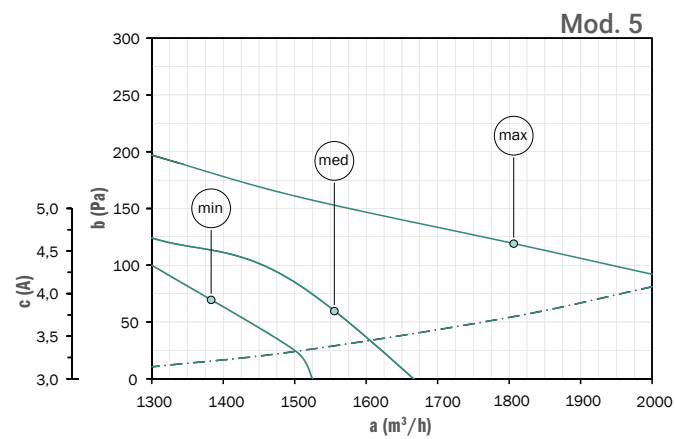
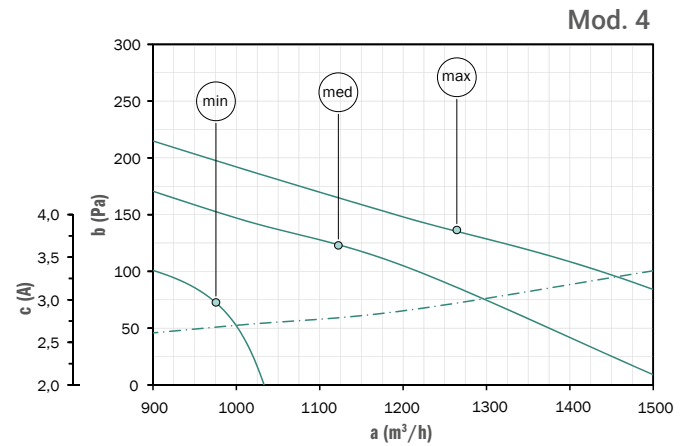
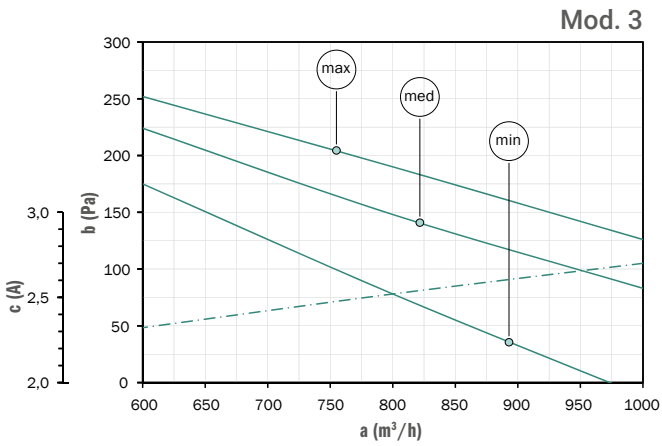
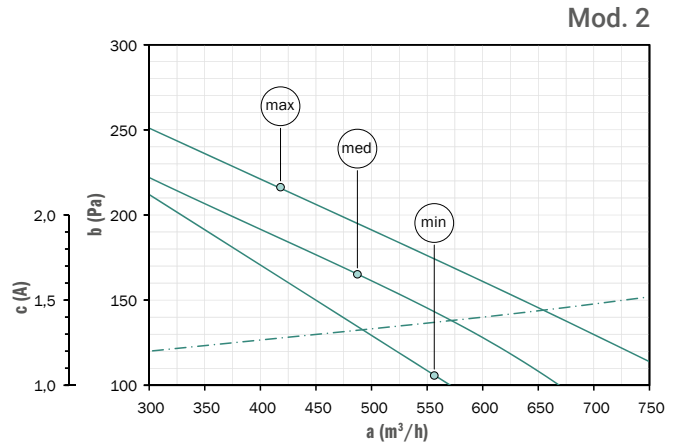
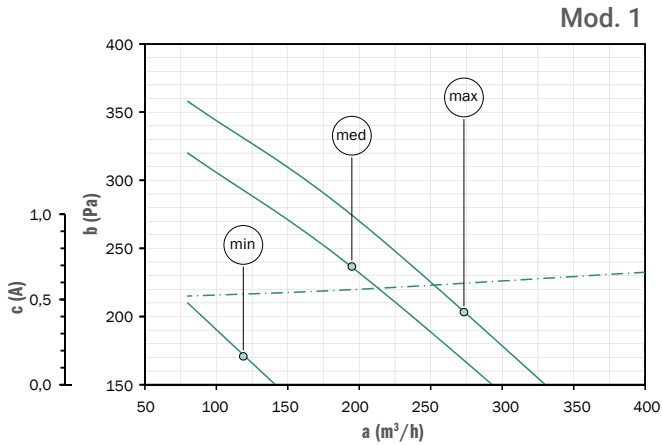
FLOW-SHE



FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

a (m³/h)	Portata aria / Air flow / Débit d'air / Luftstrom / Caudal de aire
b (Pa)	Pressione statica utile / External static pressure / Pression statique utile / Externer statischer Druck / Presión estática útil
c (A)	Corrente assorbita max / Max absorbed current / Courant absorbé max / Maximale Stromaufnahme / Corriente absorbida máx
	Corrente assorbita / Absorbed current / Courant absorbé / Stromaufnahme / Corriente absorbida

- Le curve indicano la pressione statica utile alle varie portate. Le curve tengono conto delle perdite di carico del recuperatore di calore e dei filtri standard.
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 Bei Vorhandensein von anderem Zubehör (z.B. Batterien, Schalldämpfer usw.) müssen die Verluste durch andere eingebaute Komponenten abgezogen werden, um den tatsächlichen externen statischen Druck zu erhalten.
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Main accessories

The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately.

For the complete list of available accessories, please refer to the price-list catalog.

Internal electric post-heating coil

Post-heating internal water coil

Water cooling or heating coil section

DX coil section

High efficiency filters on exhaust air

High efficiency post-filtration

Regulation damper

3 dampers defrosting section

Damper actuators

Kit bypass management

Nº 4 connections for circular ducts kit

Duct silencers

Additional pressure switch

Anti-freeze thermostat

Kit 2-Way valve with on-off actuator

Kit 3-Way valve with modulating actuator

Unit speed control panel

Integrated management system on board

Integrated management system wall mount box

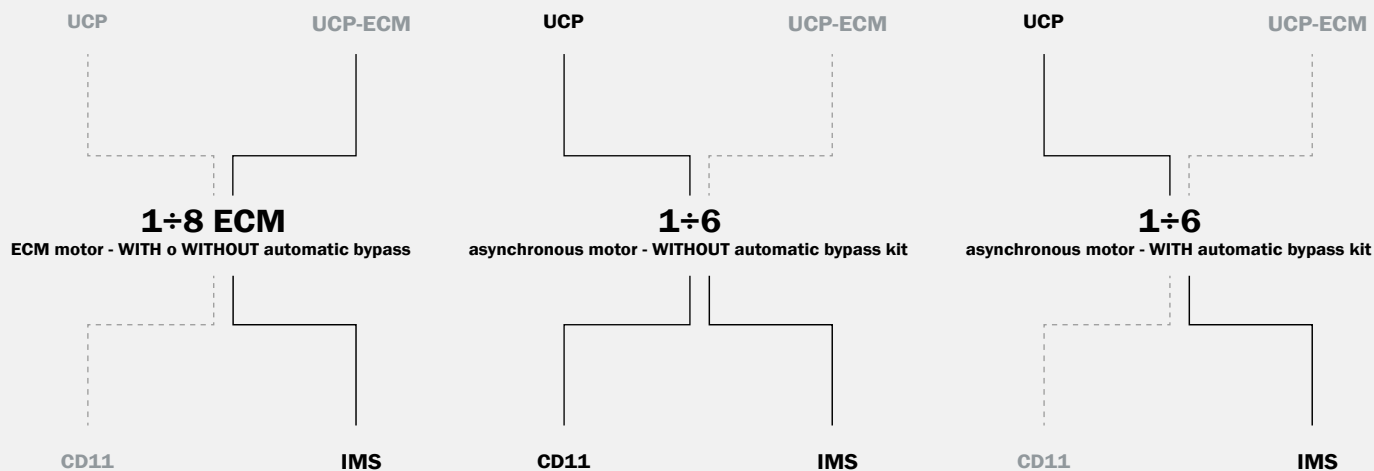
CO₂ sensor and humidity sensor

Kit for external installation

Kit weather hood for external installation

Compatibility of controls

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 314.



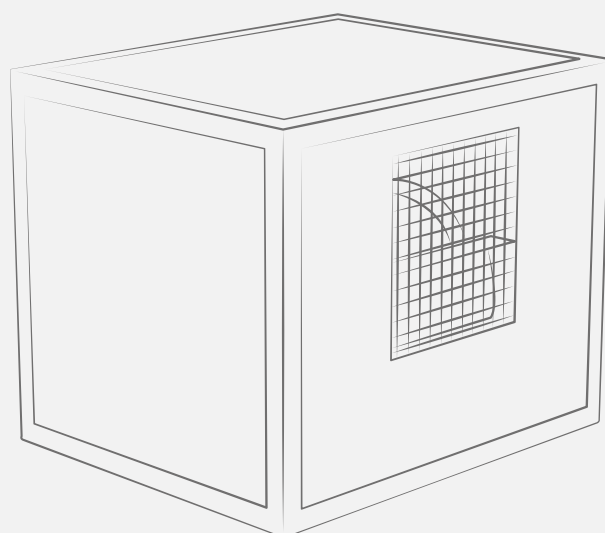
————— Compatibile
 Compatible
 Compatible
 Kompatibel
 Compatible
 - - - - - Non compatibile
 Not compatible
 Non compatible
 Nicht kompatibel
 NO compatible

CD11	Comando senza regolazione di temperatura Control without temperature control Commande sans réglage de température Steuerung ohne Temperaturregelung Funcionamiento sin regulación de temperatura
IMS	Sistema di gestione integrale Integrated management system Système de gestion intégrale Integriertes Verwaltungssystem Sistema de gestión integral
UCP	Pannello di controllo unità (motore asincrono) Unit control panel (asynchronous motor) Panneau de contrôle unité (moteur asynchrone) Steuertafel der Einheit (Asynchronmotor) Panel de control de la unidad (motor asíncrono)
UCP-ECM	Pannello di controllo unità (motore ECM) Unit control panel (ECM motor) Panneau de contrôle unité (moteur ECM) Steuertafel der Einheit (Motorsteuerung) Panel de control de la unidad (motor ECM)

FLOW-SHE/HHE
FLOW-SHE/HHE-ECM

CLEAN

Centrifugal extract fan box



CLEAN

Reliability and consistency



1372 - 3203 m³/h

air flow

CLEAN



Structure:



CLEAN-A single panel unit:

shaped galvanized steel profiles, ABS corner sections and galvanized steel panels lined with polyester, 10 mm thick.

CLEAN-B unit with double paneling:

extruded aluminum profiles, angular in ABS and panels in double paneling with interposed polyurethane foam density 45 kg/m³.

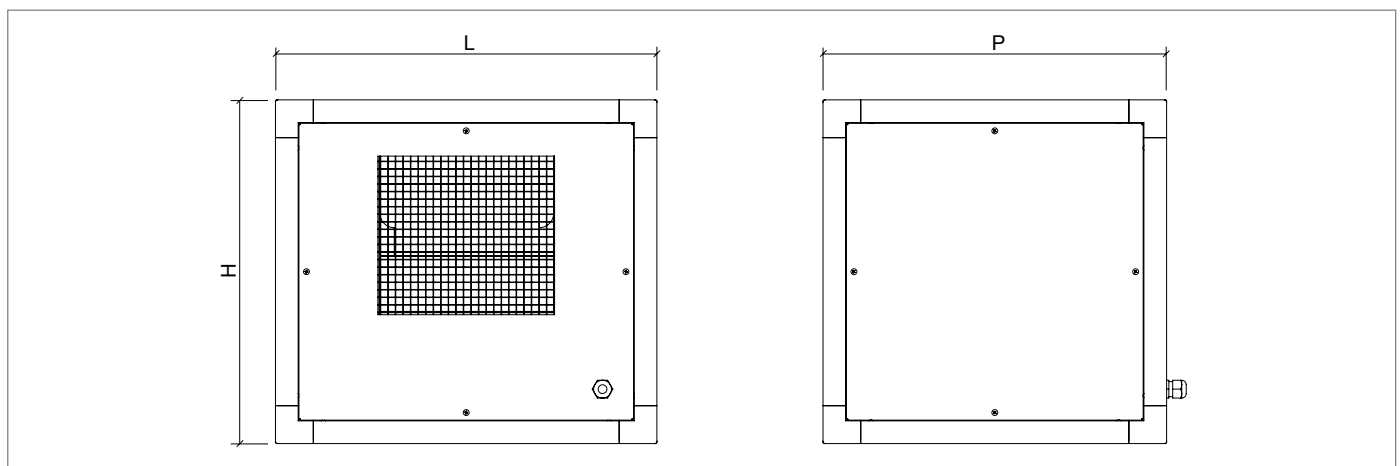


Fan section

Forward blades double suction fan, with single-phase asynchronous motor directly coupled to 3 speeds. Single speed motors are available on request.

Dimensions

			MOD. A				MOD. B			
			02	05	07	08	02	05	07	08
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	505	605	705	805	505	605	705	805
Altezza / Height / Hauteur / Höhe / Altura	H	mm	455	505	555	655	455	505	555	655
Profondità / Depth / Profondeur / Tiefe / Profundidad	P	mm	455	505	555	655	455	505	555	655



		02	05	07	08
Tipologia dichiarata Declared typology Typologie déclarée deklarierter Type Tipología declarada		UVNR-UVU NRVU-UVU	UVNR-UVU NRVU-UVU	UVNR-UVU NRVU-UVU	UVNR-UVU NRVU-UVU
Tipo di azionamento installato o prescritto Type of drive installed or intended to be installed Type de contrôle de vitesse installé ou prescrit Antriebstyp installiert oder vorgeschrieben Tipo de unidad instalada o de proyecto		Multivelocità / Multispeed / Multi-vitesse / Mehrfache Geschwindigkeit / Multivelocidad			
Tipologia sistema di recupero HRS Type of HRS Système de récupération HRS Art des Wärmerückgewinnungssysteme Tipología de sistema de recuperación HRS		Assente - Absent			
Efficienza termica del sistema Thermal efficiency of heat recovery Efficacité thermique du système Wirkungsgrad der Wärmerückgewinnung Eficiencia térmica del sistema	%	Non disponibile / Unavailable / Non disponible / Nicht verfügbar / No disponible			
Portata aria nominale UVNR-UVU Nominal flow rate NRVU-UVU Débit d'air nominal NRVU-UVU Nennluftstrom NRVU-UVU Caudal de aire nominal NRVU-UVU	m³/s	0,381	0,629	0,780	0,890
Potenza elettrica assorbita effettiva Effective electric power input Puissance électrique nominale absorbée Effektive elektrische Leistungsaufnahme Consumo efectivo de energía eléctrica	kW	0,280	0,538	0,857	0,724
Potenza specifica interna dei componenti della ventilazione (SFPint) Internal specific fan power of ventilation components (SFPint) Puissance spécifique des composants internes de ventilation (SFPint) Interne spezifische Leistung von Lüftungskomponenten (SFPint) Potencia interna específica de los componentes de ventilación (SFPint)	W/(m³/s)	229	221	197	134
Velocità frontale alla portata nominale Air speed at the air flow rate Vitesse frontale au débit nominal Luftgeschwindigkeit bei gewähltem Luftstrom Velocidad del aire en contraposición al caudal nominal del aire	m/s	7,7	8,0	8,1	6,6
Pressione esterna nominale (Δps, ext) Nominal external pressure (Dps, ext) Pression nominale externe (Δps, ext) Nennaußendruck (Δps, ext) Presión externa nominal (Δps, ext)	Pa	202	298	371	285
Perdita di pressione dei componenti interni della ventilazione (Δps,int) Internal pressure drop of ventilation components (Dps, int) Perte de pression des composants internes de la ventilation (Δps,int) Druckverlust der internen Lüftungskomponenten (Δps, int) Pérdida de carga de los componentes internos de la ventilación (Δps, int)	Pa	64	70	67	47
Efficienza statica dei ventilatori secondo (UE) n.327/2011 Static efficiency of fans according to (UE) n.327/2011 Efficacité statique des ventilateurs selon (EU) n.327 / 2011 Statischer Wirkungsgrad von Lüftern gemäß (EU) Nr. 327/2011 Eficiencia estática de los ventiladores según (UE) n. 327/2011	%	34,2	36,1	37,2	36,8
Massimo trafileamento esterno dell'involucro Declared maximum external leakage rates of the casing of ventilation units Fuite externe maximale du boîtier Maximale externe Leckage des Gehäuses Fuga externa máxima del envolvente	%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
Prestazione energetica o classificazione energetica dei filtri Energy performance or energy rating of the filters Performance énergétique ou classification énergétique des filtre Energieeffizienz oder Energieklassifizierung der Filter Rendimiento energético o clasificación energética de filtros		Assente - Absent			
Descrizione del segnale visivo dei filtri Description of the visual signal of the filters Description du signal visuel des filtres Beschreibung des visuellen Signals der Filter Descripción de la señal visual de los filtros		Assente - Absent			
Livello di potenza sonora irradiato dall'involucro Sound power level (LWA) Niveaux de puissance acoustique rayonné Schallleistungspegel, der vom Gehäuse abgestrahlt wird Nivel de potencia acústica transmitida por el envolvente	dB(A)	67	57	61	74
Tipologia di ventilatore Fan typology Type de ventilateur Ventilatorart Tipología de ventilador	-	7/7	9/9	10/10	12/12
Numero velocità Speed number Numéro de vitesse Nummer der Geschwindigkeitsstufe Número de velocidad	n.	3	3	3	3
Classe motore Motor class Classe de moteur Motorklasse Clase de motor	-	F	F	F	F
Grado protezione motore Motor protection grade Degré de protection du moteur Motorschutzklasse Grado de protección del motor	IP	IP20	IP20	IP20	IP20
Potenza nominale resa Nominal power Puissance nominale Nennleistung Potencia nominal	W	145	370	550	735



Performance technical data

		02	05	07	08
Numero poli motore Number of motor poles Nombre de pôles moteur Motorpolzahl Número de polos de ventilador	n.	4	4	4	6
Potenza massima assorbita Maximum absorbed power Max. Puissance absorbée maximale Leistungsaufnahme Potencia máxima absorbida	W	460	900	1520	1780
Corrente massima assorbita Maximum absorbed current Courant maximum absorbé maximale Stromaufnahme Corriente máxima absorbida	A	2,10	4,00	7,14	8,47
Temperatura minima aria di utilizzo Minimum air operating temperature Température mini de l'air Mindestlufttemperatur Temperatura mínima del aire de uso	°C	-10	-10	-10	-10
Temperatura massima aria di utilizzo Maximum air operating temperature Température max de l'air Maximale Betriebslufttemperatur Temperatura máxima del aire de funcionamiento	°C	40	40	40	40
Numero di giri massimo al minuto Maximum R.P.M. nombre maximum de tours par minute maximale Umdrehungen pro Minute Número máximo de revoluciones por minuto	1/min	1080	755	710	550
Alimentazione elettrica Power supply Alimentation électrique Stromversorgung Fuente de alimentación		230V/1ph/50-60Hz			

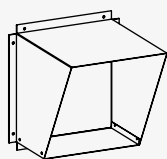


Performance technical data

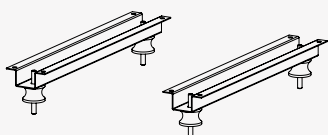
Pressione statica disponibile - Static pressure available Pression statique disponibles - Verfügbarer statischer Druck - Presion estatica disponible			02	05	07	08
Massima velocità Maximum speed Vitesse maximale Höchstgeschwindigkeit Velocidad máxima	20 Pa	m ³ /h	1862	2850	/	/
	40 Pa	m ³ /h	1840	2865	/	/
	60 Pa	m ³ /h	1803	2880	/	5307
	80 Pa	m ³ /h	1763	2882	/	5296
	100 Pa	m ³ /h	1716	2875	/	5276
	120 Pa	m ³ /h	1666	2868	/	5256
	140 Pa	m ³ /h	1615	2841	3564	5192
	160 Pa	m ³ /h	1553	2783	3551	5080
	200 Pa	m ³ /h	1398	2667	3474	4841
	250 Pa	m ³ /h	1163	2445	3356	4212
	300 Pa	m ³ /h	/	2149	3209	/
Media velocità Medium speed Vitesse moyenne Mittlere Geschwindigkeit Velocidad media	20 Pa	m ³ /h	1488	1988	/	/
	40 Pa	m ³ /h	1490	2013	/	/
	60 Pa	m ³ /h	1493	2037	2742	4247
	80 Pa	m ³ /h	1476	2037	2743	4299
	100 Pa	m ³ /h	1437	2022	2743	4305
	120 Pa	m ³ /h	1399	2008	2742	4310
	140 Pa	m ³ /h	1361	1970	2740	4315
	160 Pa	m ³ /h	1308	1907	2733	4321
	200 Pa	m ³ /h	1175	1780	2718	4118
	250 Pa	m ³ /h	/	1596	2598	3690
	300 Pa	m ³ /h	/	/	2416	/
Minima velocità Minimum speed Vitesse minimale Mindestgeschwindigkeit Velocidad mínima	20 Pa	m ³ /h	1123	1540	/	/
	40 Pa	m ³ /h	1134	1541	/	/
	60 Pa	m ³ /h	1145	1537	2232	3460
	80 Pa	m ³ /h	1142	1518	2233	3507
	100 Pa	m ³ /h	1134	1498	2226	3520
	120 Pa	m ³ /h	1126	1472	2218	3534
	140 Pa	m ³ /h	1096	1424	2211	3547
	160 Pa	m ³ /h	1048	1375	2179	3561
	200 Pa	m ³ /h	/	1270	2062	3521
	250 Pa	m ³ /h	/	/	1912	2917
	300 Pa	m ³ /h	/	/	1752	1807

The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

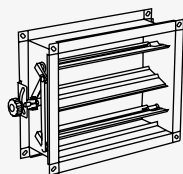
Where provided, the accessories can also be supplied already installed and tested in the company, or supplied separately. For the complete list of available accessories, please refer to the price-list catalog.



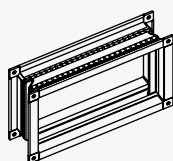
Galvanized sheet protection and galvanized pre-painted protection



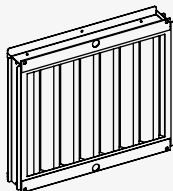
Support air lock regulation



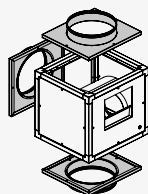
Air lock:
Intake air lock regulation or overpressure air lock



Anti-vibrating joint



Filters:
Acrylic air filter section (waved thickness 48 mm)



Circular spigot:
for supply or lateral intake, in many different configuration as rear - top - bottom - lateral intake circular spigot

Compatibility of controls / Controller functions

For the complete specifications of the controls, please refer to the part relating to the controls, available from page 300.

LEGENDA

CD11	Comando senza regolazione di temperatura Control without temperature control Commande sans réglage de température Steuerung ohne Temperaturregelung Funcionamiento sin regulación de temperatura
COM-V	Commutatore 3 velocità con selettore a slitta VIMAR Vimar 3-speed slide selector Commutateur 3 vitesses avec sélecteur à glissière VIMAR Umschalter der 3 Geschwindigkeiten mittels Schiebeschalter VIMAR Interruptor de 3 velocidades con selector deslizando VIMAR
COM-B	Commutatore 3 velocità con selettore rotativo b-Ticino B-Ticino rotary selector switch Commutateur 3 vitesses avec sélecteur rotatif b-Ticino Umschalter der 3 Geschwindigkeiten mittels Wahlschalter BTicino Interruptor de 3 velocidades con pequeño selector giratorio b-Ticino

CD11

CLEAN

COM-V

COM-B

Scheda di potenza per controllo a 3 velocità
Power chart for 3-speed control
Fiche de puissance pour contrôle à 3 vitesses
Leistungsplattine zur Steuerung mit 3 Geschwindigkeiten
Tarjeta de alimentación para el control de 3 velocidades

	CD11	COM-V	COM-B
Mod. 02 (SDP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mod. 05 (SDP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mod. 07 (SDP-HP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mod. 08 (SDP-HP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

———— Compatible
Compatible
Compatible
Kompatibel
Compatible

----- Non compatibile
Not compatible
Non compatible
Nicht kompatibel
NO compatible

COMPATIBILITÀ - COMPATIBILITY - COMPATIBILITÉ - KOMPATIBILITÄT - COMPATIBILIDAD

Installazione a parete da esterno - Wall mounting - Installation murale - Wandmontage - Instalación a pared

Installazione a bordo unità - On board unit installation - Installation embarquée - Installation auf dem Gerät - Instalación al bordo de la unidad

Installazione a parete da incasso - Wall flush-mounting - Installation à encaissement - Wandeinbau - Instalación empotrada

REGOLATORI - CONTROLLERS - RÉGULATEURS - REGLER - REGULADORES

UTILIZZO - USE - UTILISATION - VERWENDUNG - USO

Impianto a 2 tubi - 2 pipe system - Système à 2 tubes - Anlage mit 2 Leiter-System - Sistema de 2 tubos

Impianto a 4 tubi - 4 pipe system - Système à 4 tubes - Anlage mit 4 Leiter-System - Sistema de 4 tubos

CONTROLLI E DISPLAY - CONTROLS&DISPLAY - CONTRÔLES ET ÉCRAN - STEUERUNGEN UND DISPLAY - CONTROLES Y PANTALLAS

Display - Display - Écran - Display - Monitor

Acceso/Spento - On/Off - Allumé/Éteint - Eingeschaltet/Ausgeschaltet - Encendido /Apagado

Caldo/Freddo - Heat/Cool - Chaud/Froid - Heizen/Kühlen - Frío /Caliente

3 velocità ventilatore - 3 fan speed - 3 vitesses ventilateur - 3 Gebläsegeschwindigkeiten - 3 velocidades de ventilador

Regolazione temperatura - Set point range - Réglage température - Temperaturregelung - Regulación de la temperatura

Controllo umidità - Humidity control - Contrôle de l'humidité - Feuchtigkeitsregelung - Control humedad

● Funzione presente
Function available
Fonction présente
Präsenz-Funktion
Función presente

○ Solo 2 tubi
2 pipe only
Uniquement 2 tubes
Nur 2 Leitungen
Solo 2 tubos

CD11

COM-V / COM-B

CLEAN

CONTROLS

Regulation



Precision control, guarantee of comfort

Eden offers a wide and advanced range of control equipment and their related accessories that are properly developed and designed in order to manage in a dynamic and clear manner the best conditions of the indoor comfort selected by the user.

Various solutions are available based on the intended use, accuracy of desired comfort and on the type of investment.



SDP / SDP-HP

Power interface



Power interface to control a single only one unit from a single thermostat.

Installation on Din rail (6 modules) directly on board unit or inside a switchboard.

Power supply: 230 Vac 50 Hz - No. 1 motor output: 5,5 A (SDP) - No. 2 motor output: 5,5 A + 5,5 A (SDP-HP)

Applications: control of a single fan motor to avoid thermostat overload (in case the motor input current is higher than thermostat power output).

SDI-V

Interface card



Interface card to control up to 4 units from a single thermostat.

Installation on Din rail (9 modules) directly on board unit or inside a switchboard.

Power supply: 230Vac 50Hz - Motor output: 1,5 A - Valves output: 5 A

Applications: control of up to 4 fan coils with 2 or 4 pipe systems in environments where a single control/thermostat is required. Suitable for 2 pipe system, 2 pipe/4pipe system + 230Vac on/off valves and asynchronous motor.

i-COM

Base switch without temperature control (2 and 4 pipe units)



Main functions: switching the unit on and off - manual heating/off/cooling selection - manual fan low-med-high speed selector switch - input for minimum water temperature thermostat (bimetallic contact) - output for cool valve and heat valve

Installation: directly on board unit (*)

Power supply: 230 Vac 50 Hz. Contact rating: 2,5 (0,5) A

Applications: control for a single unit in environments where automatic temperature control is not required. Suitable for 2 pipe system and 4 pipe system.

i-Basic 1

Analog electronic thermostat (2 and 4 pipe units)



Main functions: switching the fan coil on and off - room temperature adjustment - manual heating/off/cooling selection - manual 3 speed setting

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.

Power supply: 230 Vac 50 Hz. Contact rating: 3 (1) A

Inputs for air intake sensor and for minimum water temperature thermostat (bimetallic contact). 2 outputs for on-off type valve 230 Vac. Outputs: 3(1) A; 230 Vac.

Applications: control of a unit: 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves.

i-Basic 2

Analog electronic thermostat (2 and 4 pipe units)



Main functions: switching the unit on and off - room temperature adjustment - manual heating/off/cooling selection or automatic (by supply water sensor) - destratification - neutral zone - manual 3 speed setting

Programmability through jumper of the functions:

Fan mode - System type (2/4 pipes) - Electric heater function mode.

Inputs for air intake sensor and minimum water temperature sensor, 2 outputs for on-off valve 230 Vac / electric heater, output for electric heater.

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.

Power supply: 230 Vac 50 Hz - Contact rating: 1A

Applications: control of a single unit: 2 pipe system, 2 pipe system + valve with automatic or manual Sum/Win changeover, 2 pipe system + electric heater, 4 pipe system + 2 valves with manual or automatic heating/cooling changeover or 1 cool valve and electric heater for heating.

(*) (ELIOS unit only)

i-Basic 3

Analog electronic thermostat with simplified DIP-SWITCH programming

Main functions: room temperature adjustment - manual or automatic heating/off/cooling selection - manual and automatic 3 speed setting - destratification - neutral zone - ECM/asynchronous motor control

Programmability through jumper of the functions:

fan mode - system type (2/4 pipes) - electric heater function mode



Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.

Power supply: 230Vac/50Hz - Contact rating: 1A

Applications:

Suitable for 2 pipe system, 2 pipe system + on/off or floating valve, 2 pipe system + on/off valve and electric heater, 4 pipe system + 2 on/off valves with neutral zone, with ECM or asynchronous motor.
- Suitable for unit with ECM or asynchronous motor.

i-Digit 0

Programmable electronic thermostat with LCD display (2 and 4 pipe fan coil units)

Main functions:

temperature and set point display on backlit LCD - real time clock



Programmable functions for 2 and 4 pipes system: temperature control - automatic speed motor control - ECM motor control - modulating (0-10Vdc) or on-off valves control - electric heating control - economy function - window contact - remote sensors inputs - antifreeze function - filter dust control - auxiliary input

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.

Power supply: 230 Vac 50 Hz - Contact rating: 1A

Applications: control of units which require automatic functions and modulation of the power of the unit to improve indoor comfort.

i-Digit 1 i-Digit 2 i-Digit 3

Programmable electronic thermostat with LCD display (2 and 4 pipe fan coil units)

Main functions:

temperature and set point display on backlit LCD - real time clock



Programmable functions for 2 and 4 pipes system

	i-Digit 0	i-Digit 1	i-Digit 2	i-Digit 3
Temperature control	✓	✓	✓	✓
Automatic fan speed control	✓	✓	✓	✓
Modulating fan control	✓	✓	✓	✓
Modulating (0-10Vdc) or on-off valves control	✓	✓	✓	✓
Electric heating control	✓	✓	✓	✓
Economy function	✓	✓	✓	✓
Window contact	✓	✓	✓	✓
Remote sensors inputs	✓	✓	✓	✓
Antifreeze function	✓	✓	✓	✓
Filter dust control	✓	✓	✓	✓
Supervising functions using Modbus protocol		✓	✓	✓
Humidity control		✓		✓
Fan alarm control - output free contact			✓	✓
Auxiliary input	✓	✓	✓	✓

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.

Power supply: 230 Vac 50 Hz. - Contact rating: 1A

Applications: control of units which require automatic functions and modulation of the power of the unit to improve indoor comfort.

(*) (ELIOS unit only)

QCB

Base control panel



Control for 2/4 pipes units without room temperature control.

Main functions: switching the unit on and off - manual heating/off/cooling selection - manual 3 speed setting

Installation: on board unit
 Power supply: 230 Vac 50 Hz
 Input for minimum water temperature thermostat (bimetallic contact).
 2 outputs for on-off type valve 230 Vac.

Applications: control for a single unit in hotel rooms, offices and dwellings where a built-in temperature controller is not required.
 Suitable for 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves with manual heating/cooling change-over (minimum water temperature thermostat TC is necessary)

QCL / QEL

Sheet base control panel



Unit controller without environment temperature control.

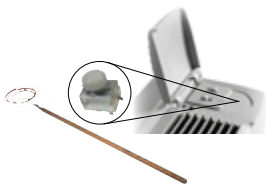
Main functions: switching the unit on and off - manual heating/cooling selection - manual 3 speed setting

Installation: on board unit
 Power supply: 230 Vac 50 Hz.

Applications: control of a single unit where manual functions are required.
 Suitable for 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves with heating/cooling manual switching.

QTE / QTM

Base control panel with electronic room thermostat / electromechanical bulb thermostat



QTE: electronic thermostat
 QTM: electromechanical electronic

Main functions: switching the unit on and off - room temperature adjustment - manual heating/off/cooling selection - manual 3 speed setting

Installation: on board unit
 Power supply: 230 Vac 50 Hz.
 Input for minimum water temperature thermostat (bimetallic contact)
 2 outputs for on-off type valve 230 Vac.

Applications: control for a single unit where manually controlled functions and precise automatic room temperature adjustment are required. Suitable for 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves with manual heating/cooling changeover.

TC

Water low temperature thermostat



Low temperature thermostat - minimum water temperature (35°C bimetallic contact).
Installation: on board unit, designed for insertion between exchanger fins.

Applications: suitable for a single 2 or 4 pipe unit connected to either heat pump or boiler.
In the 4 pipe unit the thermostat shall be installed in the heat exchanger.

TC-B

Water low temperature strap fastening thermostat



Minimum water temperature thermostat (bimetallic contact 38°C)
Installation: on board unit, designed for fixed on pipe with special spring collar.

Applications: suitable for a single 2 or 4 pipe unit connected to either heat pump or boiler.

-

Antifreeze thermostat for fan coil units



Antifreeze thermostat with automatic reset for battery safety and check for external air temperature in presence of motorized damper.

The sensitive bulb shall be inserted between two battery fins or in presence of outdoor air intake motorized gate in the intake gate.

Installation: on board unit. Power supply: 230 Vac - Output: 5 A

Applications: suitable for a single unit.
It shall ensure that the battery or external air temperature does not decrease below a preset warning value of 5°C.

37T

Automatic heating/cooling changeover



Automatic heating/cooling changeover switch to be used with basic control panel with room temperature remote bulb thermostat and thermostats with heating/cooling changeover input from mechanic changeover.

Installation: on board unit (designed for fixing to pipe with relative steel clip).

Applications: to be installed on a single unit.
Suitable for 2 pipe system, 2 pipe system + 3 way valves (it must be installed upstream of the valve on the water delivery pipe).

-

Wall humidistat



Humidistat to monitor environment relative humidity.

Installation: wall-mounted

Applications:
Dehumidification: activation of the unit in cooling mode.
N.B.:

- 1) The humidistat, being provided with a switching contact, cannot control the three fan speeds.
- 2) The output (switching contact) must be interfaced with a relay according to installation/system requirements.

TRI/F1 2.0

Remote control + Motherboard + Receiver

Infrared remote controller or wall controller with MODbus communication protocol.



Main functions: switching the unit on and off - manual and automatic heating/cooling selection - manual and automatic 3 speed setting - setting the required temperature - ECM/asynchronous motor control - automatic and manual changeover switch (2 and 4 pipe units) - on-off valves control, 2 and 3 ways - on/off electric heater control with aftercooling - stratification prevention - automatic stand-by in absence of hot/cold water - master-Slave control in the local network - control (Slave) by supervision (MODbus) - in MODbus, all functions are remotely managed - functions setting through DIP Switch - sensors and water temperature alarm

Installation: on board unit. Controls regulation manageable by remote control or wall control
Power supply: 230 Vac 50/60 Hz - Contact rating: 1 A

Applications: control of a single unit where automated functions and modulating unit flow's power are required to improve environmental comfort.

CD11

Control for unit without temperature control



Main functions: switching the unit on and off - manual heating/off/cooling selection - manual 3 speed setting

Installation: wall-mounted (surface mounting).
Power supply: 230 Vac 50 Hz - Contact rating: 5 (1,5) A

Applications: control for a single unit in environments where automatic temperature control (with thermostat) is not required. Suitable for 2 pipe system.

i-10

Analog electronic thermostat (2 and 4 pipe units)



Main functions: switching the unit on and off - room temperature adjustment - manual heating/cooling selection - manual 3 speed setting

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit. Air intake sensor is required.

Power supply: 230 Vac 50/60 Hz - Contact rating: 5 (1) A

Inputs for air intake sensor and for minimum water temperature thermostat (bimetallic contact), 2 outputs for on-off type valve 230 Vac.

Applications: control of a single unit. Suitable for 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves with manual heating/cooling changeover.

i-20

Analog electronic thermostat (2 pipe units)



Main functions: switching the unit on and off - room temperature adjustment (internal air sensor) - off/on/manual selection - manual 3 speed setting

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit. Air intake sensor is required.

Power supply: 230 Vac 50/60 Hz - Contact rating: 5 (1) A

Input for heating/cooling changeover: central control (from remote changeover switch) or automatic (with changeover switch 37T). input for air intake sensor.

Output for on-off type valve 230 Vac.

Applications: thermostat for the control of a single unit where a central or automatic heating/cooling function is required. Suitable for 2 pipe system, 2 pipe system + valve.

i-25

Analog electronic thermostat (4 pipe units)

Main functions: switching the unit on and off - room temperature adjustment - automatic heating/cooling selection with adjustable neutral zone - manual 3 speed setting



Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit. Air intake sensor is required.

Power supply: 230 Vac 50/60 Hz - Contact rating: 5 (1) A

Input for air intake sensor, 2 outputs for on-off type valves 230 Vac.

Applications: Thermostat for the control of a single unit where an automatic heating/cooling function with neutral zone is required. Suitable for 4 pipe system + 2 valves.

i-30

Programmable electronic thermostat with LCD display

Main functions: switching the unit on and off - room temperature adjustment - manual or automatic heating/cooling selection - manual or automatic 3 speed setting - display for reading/displaying room and set point temperature - control of modulating valves (0-10 Vdc) and ECM or asynchronous motor - on/off valves and modulating motor - programmability of functions - **ON/OFF VALVES AND ASYNCHRONOUS MOTOR NON COMPATIBLE**

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.



Power supply:

- 230 Vac 50/60 Hz (for use with modulating valves 230 Vac),
- 24 Vac 50/60 Hz (for use with modulating valves 24 Vac).

Inputs for air intake sensor, minimum water temperature thermostat/sensor or window contact, central heating/cooling changeover.

State of filter control; function: economy, frost protection, stratification prevention.

2 outputs for modulating valves (0-10 Vdc), 1 output for ECM motor, output for 3-speed motor.

Possibility of control for extra electric heater.

Applications: control of a single unit i where automated functions or fine modulating of the flow of water to the unit are required to improve environmental comfort.

Suitable for 2 pipe system, 2 pipe system + modulating valve + possible electric heater, 4 pipe system + 2 modulating valves with automatic or manual changeover between heating/cooling.

Important: when used with 24 Vac valves, the thermostat must be powered through a 230/24 Vac transformer.

i-50

Programmable electronic thermostat with LCD display

Main functions: switching the unit on and off - room temperature adjustment - manual or automatic heating/cooling selection - manual or automatic 3 speed setting - display for reading/displaying room and set point temperature - control of on/off and floating (3-point) valves - control of electric heater - programmability of functions

Installation:

- wall-mounted (surface mounting with centres for box 503)
- directly on board unit (*). Air intake sensor is required.



Power supply:

- 30 Vac 50/60 Hz (for use with modulating valves 230 Vac),
- 24 Vac 50/60 Hz (for use with modulating valves 24 Vac).

Inputs for air intake sensor, minimum water temperature thermostat/sensor or window contact, central heating/cooling changeover.

State of filter control; function economy, frost protection, stratification prevention.

2 outputs for on/off type or floating (3-point) valves.

Possibility of control for extra electric heater.

Applications: control of a single unit where automated functions or the possibility of modulating the flow of water to the unit are required to improve environmental comfort.

Suitable for: 2 pipe system, 2 pipe system + valve + possible electric heater, 4 pipe system + 2 valves with automatic or manual changeover between heating/cooling with neutral zone.

Important: when used with 24 Vac valves, the thermostat must be powered through a 230/24 Vac transformer.

(*) WIND unit only

i-60

Touch fan coil thermostat with WiFi connection



Main functions:

WiFi connection for remote control of the fan coil using the app - backlit touch display - approaching sensor - switching the unit on and off (manual and time-controlled) - 7 days 4 periods programmable - room temperature adjustment - manual or automatic heating/cooling selection - manual and automatic 3 speed setting - on/off 230 Vca valve unit control

Installation: wall-mounted

Mounting: flush or wall box (not included)

External thermostat dimensions: 86x86x40mm

Wall box (not included): flush or wall mounting box specific for thermostats size 86x86mm, minimum depth of 48mm. Hole pitch: 60 mm

Power supply: 85-250 Vac 50/60 Hz - Contact rating: 2 (1) A

No. 2 output for on/off valves 230 Vac

No. 3 output for speed asynchronous motor 230 Vac

Internal WiFi antenna included

Applications: temperature control in residential or commercial area, equipped with fan coil with 3-speed asynchronous motor in a 2 or 4-pipe system. In the presence of a WiFi network, remote control is possible using the App supplied and operating on Android and iOS systems. Using the App it is possible to control the room temperature, change it, switch the fan coil on/off, change the heating/cooling mode, change the rotation speed of the motor. The same App allows simultaneous control of multiple thermostats of the same type.

i-70

Touch programmable electronic thermostat with MODbus/BACnet protocol communication



Touch programmable electronic thermostat with MODbus/BACnet protocol communication (unit 2 and 4 pipe system)

Main functions: Rs485 MODbus communication port and BACnet for supervisions - CO₂ or RH% integrated sensors (options) - backlit touch display - function configuration using dip switches - ECM and asynchronous motor management - management of modulating valves 0-10 V and on-off - single and two-stage electric heater management - underfloor heating and fan coil management for cooling only - window contact / occupancy - economy function - filter status check

Installation: wall-mounted (embedded in box 503)

Power supply: 230 Vac 50/60 Hz - Contact rating: 3 (1) A

Applications: temperature control in residential or commercial area, equipped with fan coil in 2 or 4 pipe system. optional CO₂ control; optional RH% control.

503FA

Electronic thermostat with LCD display



Pic.: black external cover (optional)

Main functions: switching the unit on and off - room temperature adjustment - manual or automatic heating/cooling selection with neutral zone - manual or automatic 3 speed setting - display for reading/displaying room and set point temperature - on-off valve control

Installation: wall mounted, (embedded in box 503)

Power supply: 230 Vac 50 Hz. - Contact rating: 3 (1) A

Input for minimum temperature sensor (sensor included).

Applications: control of a single unit where a combination of precision and modern design is required. Embedded in box 503.

Suitable for 2 pipe system, 2 pipe system + valve, 4 pipe system + 2 valves with automatic heating/cooling changeover with neutral zone.

503 CT

Chronothermostat with LCD display



Pic.: black external cover (optional)

Chronothermostat for switch on/off based on time and environment temperature of single or multiple fan coils, or circulation pump or zone valve opening/closing.

Main functions: weekly 24h programming - two temperature levels - environment temperature control - manual heating/cooling selection

Display to read/display environment temperature, set point, current time, daily/weekly program.

Installation: wall mounted, embedded in box 503.

Power supply: 230Vac/50Hz - Contact rating: 5 (0,5) A

Applications: it is suitable for offices and homes where automatic switch on/off of a heating/cooling system is required for comfort and energy saving. It cannot manage the 3 fan speeds.

TA/1

Electronic regulator



Main functions: switching the circulating pump on and off or opening/closing the zone valve - room temperature adjustment - manual off/heating/cooling selection - remote air sensor input

Installation: wall-mounted (surface mounting).

Power supply: 230 Vac 50 Hz - Contact rating: 5 (1) A

Applications: control of a single zone valve or circulating pump. Suitable for 2 pipe system. It cannot manage the 3 fan speeds.

COM-V

Changeover switch with slide selector (VIMAR)



Main functions: switching the fan on and off - manual 3 speed setting

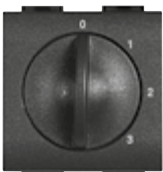
Installation: wall mounted, embedded in box 503.

Power supply: 230 Vac 50 Hz - Contact rating: 2 A

Applications: speed control of one single fan.

COM-B

Changeover switch with rotary selector (Bticino)



Main functions: switching the fan on and off - manual 3 speed setting

Installation: wall mounted, embedded in box 503.

Power supply: 230 Vac 50 Hz - Contact rating: 3 A

Applications: speed control of one single fan.

S-Mod

Supervision system



Wall user interface



Floor router



Fan coil card
(cover=accessory)



Infrared remote control

Controllers suitable for the connection to supervision systems.

These are electronic cards to be installed on the unit to control the room temperature and all unit functions. The cards are equipped with serial communication port type RS485 for connection to MODbus, BACnet or proprietary (MX) supervision systems, based on the card model.

Each card can be connected to the user interface to be installed on the wall.

The interface allow the user to turn on/off the unit, change the room temperature, change the speed, choose the heating/cooling mode, etc.

Alternatively to the user interface, it is possible to connect the IR receiver and use the IR remote control as an interface with the same functions above.

With the IR remote control is also possible to set a time to switch on and off.

If connected to supervision system, the cards can be managed remotely in all their functions based on the characteristics of the supervision software.

Main functions: temperature control of an environment/zone - on/off or modulating valves control - ECM or asynchronous motor control - manual and automatic 3-speed selection - manual or automatic heating/cooling selection - time slot setting and operation - temperature set point threshold - alarm status

Applications: local and remote control of a system composed of several fan coils distributed within a building and for which you want to set similar functions or plan start-up/turn-off at predefined times without having a physically access to each unit.

The system is suitable for 2 and 4 pipe fans with asynchronous or ECM motor and on-off or modulating valves.

FAN 01

Configurable fan coil controller with BACnet communication protocol



Main functions:

RS485 BACnet communication port for supervision - room temperature control - supply temperature control - manual / automatic change/over - occupy/unoccupy room contact - temporary occupancy input - window contact - dew point sensor input - Soft-Start coil sensor - output for ECM and asynchronous motor - outputs for modulating and on-off valves - electric heater output - 24 Vac output for supplying modulating valves - wall-mounted user interface with or without display - Webserver FAN01WEB (optional) with Ethernet converter and integrated WiFi for centralized management - dip switches for function configuration and addressing

Installation: on board unit on the DIN bar, or with screw-mounted installation.

Power supply: 230 Vac 50/60 Hz

User interface for wall-installation

7 on-off output and 3 modulating for motor and valves.

4 digital inputs for command signals

4 analog inputs for NTC probes

Applications: control of fan coil or ductable unit where automated functions are required and connection to BACnet supervisor or via Ethernet / WiFi web server (optional).

Suitable for 2-pipe and 4-pipe systems, with possible additional electric heater.

010 LCD 2T 010 LCD 4T

On board electronic control, with touch LCD interface

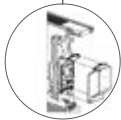


On-board electronic control complete with main board and LCD touch display.

Main functions: on-off and room temperature control touch buttons - auto and manual change-over - manual and automatic modulating speed control - set point and room temperature display - on-off valves and modulating motor - boiler and chiller enabling outputs - occupancy input contact - night silence function.

Installation: on board unit

Applications: control of the fan coil unit (*) in a residential and commercial environment (offices, shops, etc.).



Main board
2 or 4 pipes

WALL LCD1

Touch LCD interface wall-mounted



Wall-mounted control panel with touch keypad and room probe
(to be paired with 1 to max 30 MB 010 2T1 or MB 010 4T1)

Main functions: on-off and room temperature control touch buttons - auto and manual change-over - manual and automatic modulating speed control - set point and room temperature display - on-off valves and modulating motor - boiler and chiller enabling outputs - occupancy input contact - night silence function - control up to 30 fan coil unit in Master-Slave mode - it can be connected to the (**) network

Installation: on board unit

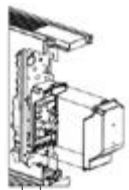
Applications: control up to 30 fan coil unit (*) in Master-Slave mode.



up to 30 units
2 or 4 pipes

MB 010 E

On board electronic PCB for external system regulator 0-10Vdc



Main on-board PCB for external 0-10Vdc command equipment.
For 2 pipes system only.

Main functions: automatic on-off of the unit - automatic fan speed modulation

Installation: on board

Applications: it controls the fan coil unit (*) starting from a 0-10V signal supplied by an external thermostat. The temperature control is submitted to the external thermostat which will provide a signal proportional to the difference between the measured and set temperature.



(*) Miniflat
(**) MiniflatNet

i-30

Programmable electronic thermostat with LCD display (wall-mounted installation only)



Main functions: switching the unit on and off - room temperature adjustment - manual or automatic heating/cooling selection - manual or automatic 3 speed setting - display for reading/displaying room and set point temperature - control of modulating valves (0-10 Vdc) and ECM or asynchronous motor - on/off valves and modulating motor - programmability of functions - **ON/OFF VALVES AND ASYNCHRONOUS MOTOR NON COMPATIBLE**

Installation:

- wall-mounted (surface mounting with centres for box 503)

Power supply:

- 230 Vac 50/60 Hz (for use with modulating valves 230 Vac),
- 24 Vac 50/60 Hz (for use with modulating valves 24 Vac).

Inputs for air intake sensor, minimum water temperature thermostat/sensor or window contact, central heating/cooling changeover.

State of filter control; function: economy, frost protection, stratification prevention.

2 outputs for modulating valves (0-10 Vdc), 1 output for ECM motor, output for 3-speed motor.

Possibility of control for extra electric heater.

Applications: control of a single unit i where automated functions or fine modulating of the flow of water to the unit are required to improve environmental comfort.

Suitable for 2 pipe system, 2 pipe system + modulating valve + possible electric heater, 4 pipe system + 2 modulating valves with automatic or manual changeover between heating/cooling.

Important: when used with 24 Vac valves, the thermostat must be powered through a 230/24 Vac transformer.

WEB S

WEB server Kit for remote centralized control up to 30 fan coils



Main functions: supervision of the fan coil unit (*) network - single and zoned programming - fan coil unit (*) keylock

Installation: wall-mounted (in technical room).

Power supply: 230 Vac 50 Hz.

Applications: WEB supervision of the fan coil unit (*) network through a PC or tablet using the building's LAN.

MB 010 WEB

Electronic board without adjustment interface



Main on-board PCB for connection to WEB S

Main functions: complete management of fan coil unit (*) based on data received from WEB S.

Installation: on board (*).

Applications: it is used when the management of the fan coil unit (*) is completely submitted to the WEB S supervision.

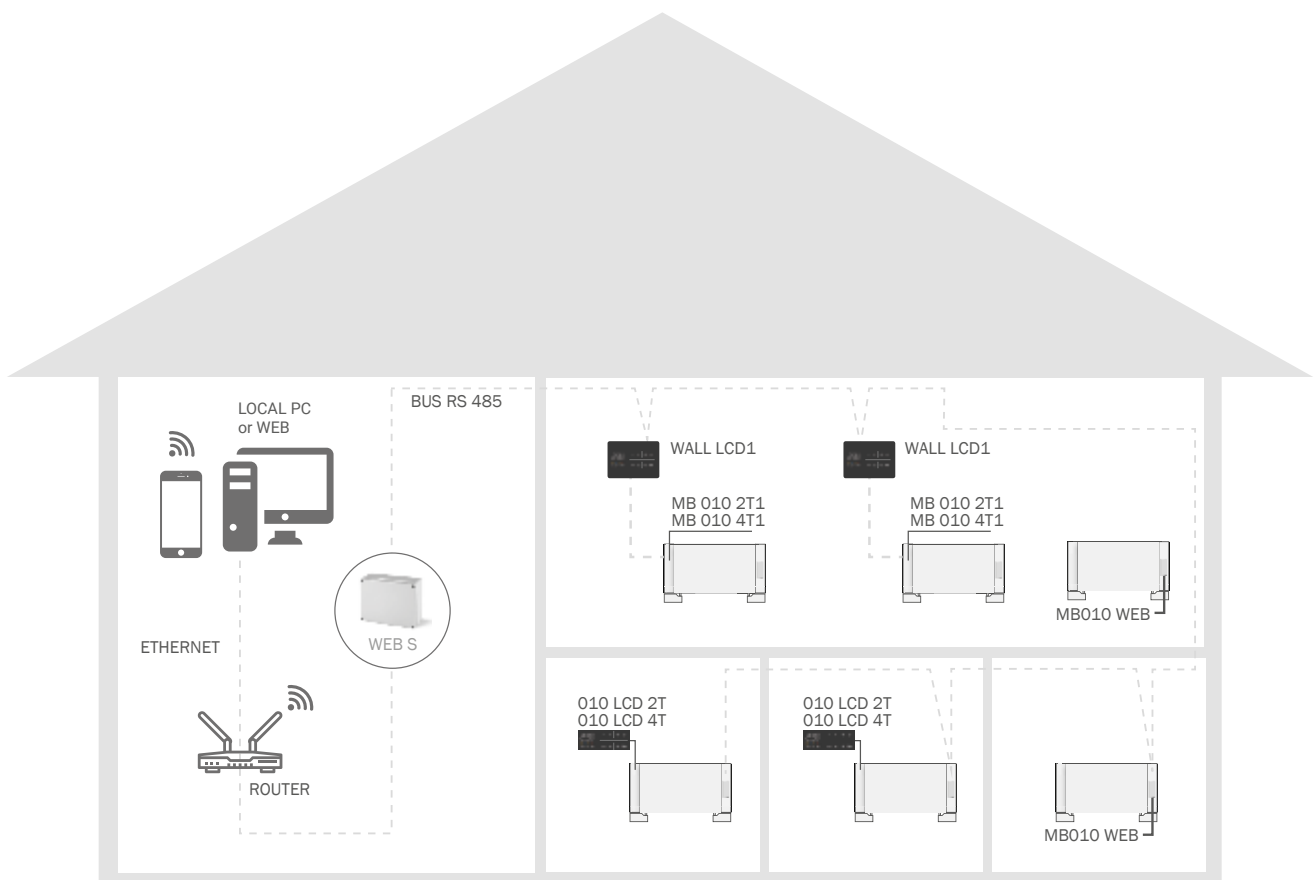
MiniflatNet: centralized management system of the Miniflat fan coil network

MiniflatNet is the centralized management system of the Miniflat fan coil network via wired LAN or Wifi connection.

It allows the end user to manage the fan coils using the internet browser installed on a PC, laptop or smartphone, avoiding the use of a dedicated supervision software.

It allows the installer to easily set up environments in areas or groups based on user requirements.

The system allows zones managing, daily schedule, command lock for public spaces, windows contacts, occupancy override in order to save energy in hotels, offices, public spaces.



UCP

Unit control panel

The UCP system consists of two parts: on-board card and unit control panel with display.

The panel allows the room temperature both in heating and cooling operation, allows to enable/disable the water coil or the electric heater, select the fan operating speed minimum, medium, maximum regulation and controls the free-cooling function by input from NTC probes.



Main functions:

- switching the unit on and off
- manual heating / cooling selection
- manual and automatic speed selection (3 speed motor)
- time schedule
- wall-mounted installation (surface mounting)

Technical characteristics:

Power supply: 230 -10/+10% Vac, 50 Hz
 Max load: 1A at 230Vac
 Type of protection: IP 21
 Working temperature: +5°C / +35°C

UCP-ECM

Unit control panel

There are different versions depending on the intended function.

The panel allows the room temperature both in heating and cooling operation, allows to enable/disable the water coil or the electric heater, selects the working speed of the fan by means of modulating regulation and manages the free-cooling function by input from NTC probes.

Ventilation control according to ambient air quality (UCPM-ECM version)



Main functions:

- switching on and off the unit;
- manual heating/cooling selection;
- manual and automatic speed selection (0-10VDC modulating motor)
- time schedule
- MODbus supervision (MODbus version)
- wall-mounted installation (surface mounting)

Technical characteristics:

Power supply: 230 -10/+10% Vac, 50 Hz
 Max load: 1A at 230Vac
 Type of protection: IP 21
 Working temperature: +5°C / +35°C

CD11

Speed controller

Control without temperature regulation.

Main functions:

- switching on and off the unit;
- manual heating/cooling selection;
- manual 3-speed selection
- wall-mounted installation (surface mounting)

Technical characteristics:

Power supply: 230 -15/+10% Vac, 50 Hz
 Max load: 5A at 250Vac
 Type of protection: IP 30
 Working temperature: 0°C / +40°C



FLOW-SHE and FLOW-HHE controllers

- Integrated management system IMS-I

The IMS system allows the integrated management of all heat recovery unit functions.

Main functions:

- air flow control, manually or by sensor
- automatic free-cooling (by turning on heat recovery by-pass device)
- antitreeze protection (without any additional antifreeze thermostat)
- heat recovery defrost
- control of water valves (both on/off and modulating type)
- on/off control of electric heater
- remote on/off input
- on/off output for contemporary auxiliary devices
- weekly program
- alarm management (sensor failure, air filter dirty)
- MODbus supervision (accessory)
- available for installation on the unit (IMS-I) or remote (IMS-R)

Technical characteristics:

Power supply: 230 -10/+10% Vac, 50 Hz

Type of protection: IP 30

Working temperature: +5°C / +35°C



- IMS remote user terminal



Accessory for IMS system

- MODbus supervision module for Integral Management System (IMS)

Accessory for IMS system

It adds the compatibility with the MODbus communication protocol to the system, for the supervision of the unit's operating parameters.

- CO₂ sensor



Suitable for ventilation controlling according to ambient air quality.
Available in version for duct installation and in the room.

- Humidity sensor



Suitable for ventilation controlling according to ambient air quality.
Available in version for duct installation and in the room.

The diagrams, the descriptions and the pictures shown herein are merely indicative and in no way binding. In order to continuously improve and in view of constant research and development, A GROUP S.p.A. reserves the right to modify, also without prior notice, technical data and all the contents included in this document.

Concept and design: Aliseo Group

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