

SOFT-ECM-Hy

Ventilconvettore cassette
in esecuzione igienica secondo VDI 6022

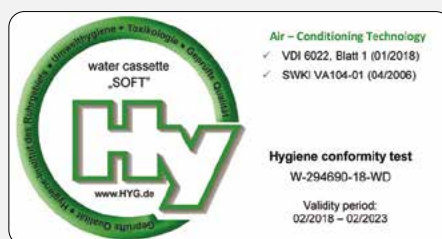


Catalogo prodotto

Rel. 15_02_02_03C_IT

SOFT-ECM-Hy

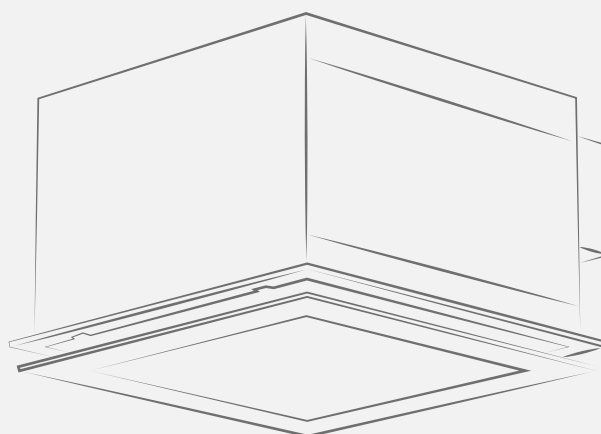
Hygienic cassette fan coil unit
according to VDI 6022



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 · 45812 Gelsenkirchen



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45879 Gelsenkirchen
Telefon (0209) 9242 0
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Internet www.hyg.de
Unser 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
Rotthäuser Straße 21
49879 Gelsenkirchen

Test object: water cassette fan coil unit "SOFT"

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-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 519 Amtsgericht Gelsenkirchen, USt-ID: DE125018356
Vorstand: Prof. Dr. Werner Schläke (Vors.), Prof. Dr. Jürgen Kretschmann, Dr. Emanuel Grün, Volker Vohmann, Prof. Dr. Leihar 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.

SOFT-ECM-Hy

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

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

SOFT-ECM-Hy

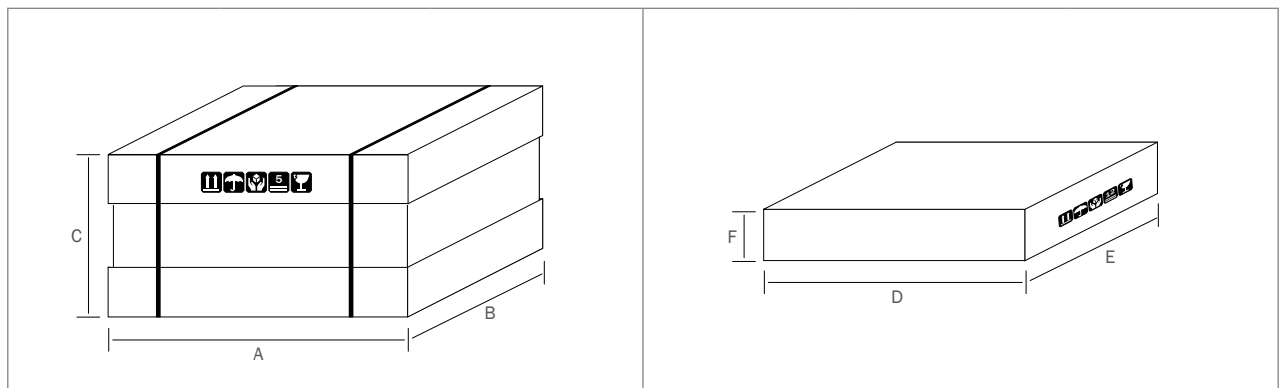
| | | | 600x600 | | | | | | | | | | |
|--|---|---|-----------------------|------|------|------|------|------|------|------|------|------|------|
| Motore ECM - ECM motor Moteur ECM - ECM-Motor - Motor ECM | | | 61 | 62 | 63 | 64 | 65 | 81 | 82 | 83 | 83C | 84 | 84C |
| Potenza assorbita dal motore del 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.


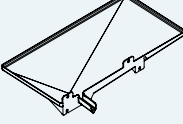
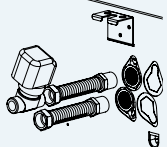
A healthy choice, responsible and aware

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.

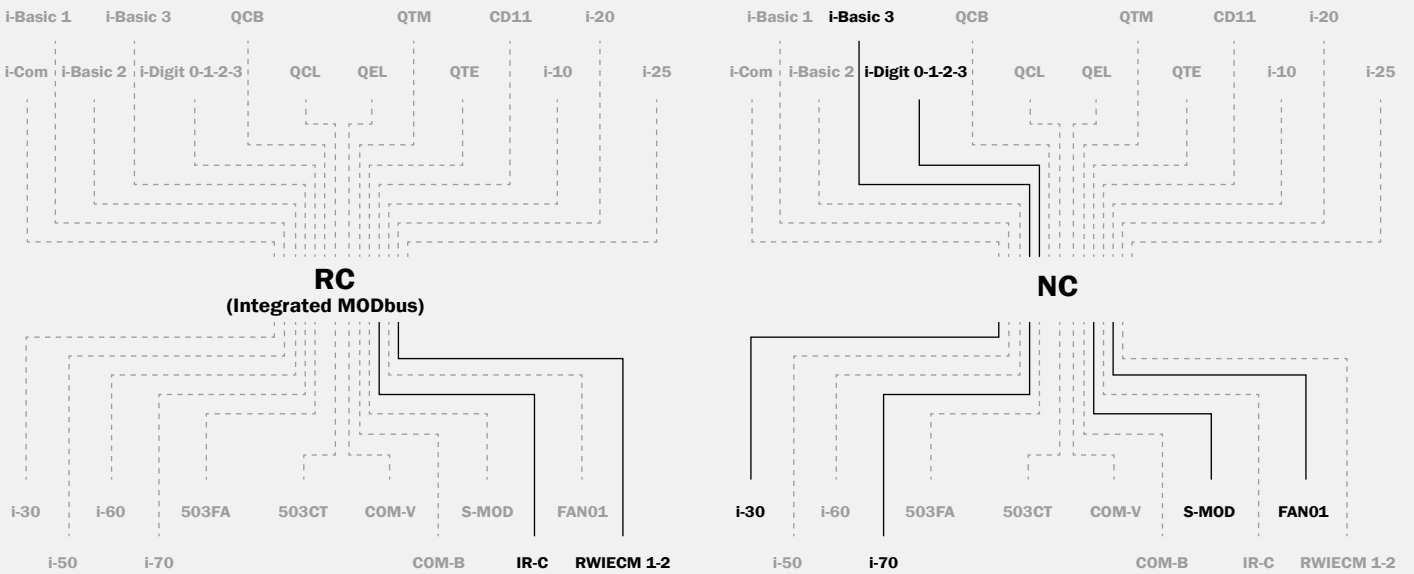
The electronic filtering system **Clean Life System** is unequivocally ecofriendly because it can be 100% regenerated by simple cleaning, removing the polluting particles that have been collected in the process.

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 298.



Compatibile
 Compatible
 Compatible
 Kompatibel
 Compatible

Non compatibile
 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

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

04/2021



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Check ongoing validity of certificate:
www.eurovent-certification.com