

# VCE

## VCE-ECM

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Centrifugal fan coil unit



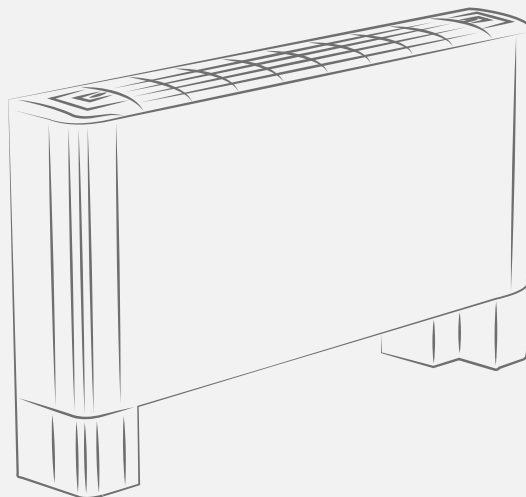
Product Catalog

Rel. 02\_02\_01\_03C\_EN

# VCE


## VCE-ECM


Centrifugal fan coil unit




A GROUP S.p.A (Trademark VENTILCLIMA) participates in the ECP programme for FCU. Check ongoing validity of certificate: [www.eurovent-certification.com](http://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** m<sup>3</sup>/h  
air flow

Exclusive comfort  
with ultimate style, elegance  
and maximum functionality.



VCE unit supplied as  
standard with fixed grills.



VCE-W unit supplied as standard with adjustable grills.

**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 grids are available in the following versions:

**VCE version**, with fix grilles and flaps are instead made of injection-molded ABS, light gray RAL 7035 color.

**VCE-W version**, with orientable grilles and flaps are instead made of injection-molded ABS, white RAL 9010 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.

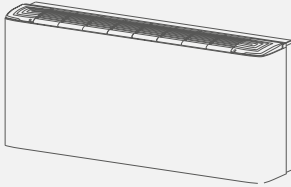
**Coils:**

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:**

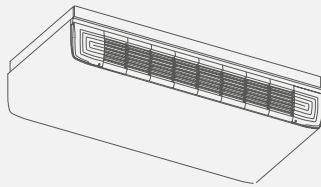
our engineering is able to satisfy any customization requirement, ranging from simple aesthetic finishes to the satisfaction of specific dimensional, performance or application constraints.

X0



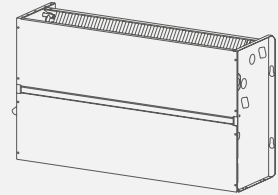
Frontal cabinet version  
Vertical installation  
Bottom air intake

X9



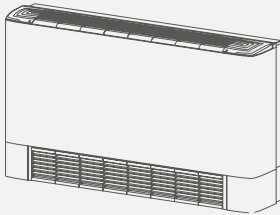
Frontal cabinet version  
Horizontal installation  
Rear air intake

X2



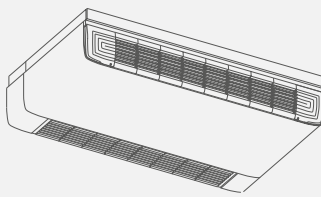
Concealed version  
Vertical installation  
Vertical air supply

X8



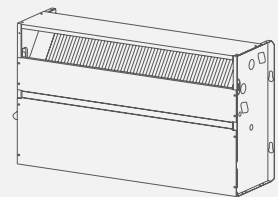
Frontal cabinet version  
Vertical installation  
Frontal air intake with socle

X1



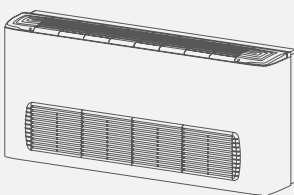
Frontal cabinet version  
Horizontal installation  
Frontal air intake with socle

X7



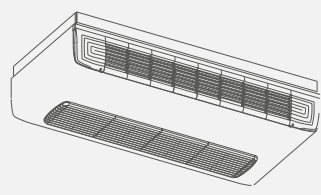
Concealed version  
Vertical installation  
Frontal air supply

X5



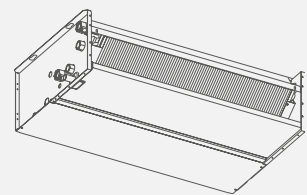
Frontal cabinet version  
Vertical installation  
Frontal air intake

X4



Frontal cabinet version  
Horizontal installation  
Frontal air intake

X3



Concealed version  
Horizontal installation  
Horizontal air supply







# Performance technical data

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Motore asincrono - Asynchronous motor Moteur asynchrone - Asynchronmotor - Motor asincrono			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	<b>30</b>	42	50	<b>50</b>	72	<b>80</b>	<b>76</b>	155	<b>155</b>	<b>148</b>	251	<b>251</b>
		W 4	<b>23</b>	<b>32</b>	<b>43</b>	43	<b>59</b>	<b>59</b>	<b>59</b>	144	144	137	<b>230</b>	230
		W 3	17	<b>27</b>	<b>36</b>	<b>35</b>	<b>48</b>	48	<b>50</b>	<b>131</b>	<b>131</b>	<b>126</b>	<b>215</b>	<b>212</b>
		W 2	<b>16</b>	<b>22</b>	<b>26</b>	<b>26</b>	37	<b>40</b>	40	<b>113</b>	113	<b>117</b>	<b>180</b>	<b>180</b>
		W 1	13	18	18	18	<b>33</b>	33	33	<b>91</b>	<b>91</b>	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		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											

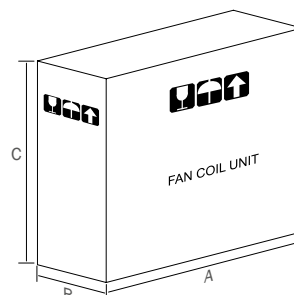
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

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	<b>21</b>	37	<b>37</b>	<b>48</b>	94	<b>110</b>	<b>70</b>	-	-
		W 4	-	<b>17</b>	<b>15</b>	15	<b>26</b>	<b>26</b>	<b>28</b>	74	88	55	-	-
		W 3	-	<b>13</b>	<b>12</b>	<b>12</b>	<b>18</b>	18	<b>19</b>	<b>58</b>	<b>67</b>	<b>49</b>	-	-
		W 2	-	<b>10</b>	<b>8</b>	<b>8</b>	14	<b>14</b>	14	<b>34</b>	40	<b>38</b>	-	-
		W 1	-	9	7	7	<b>11</b>	11	11	<b>20</b>	<b>24</b>	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		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)		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											

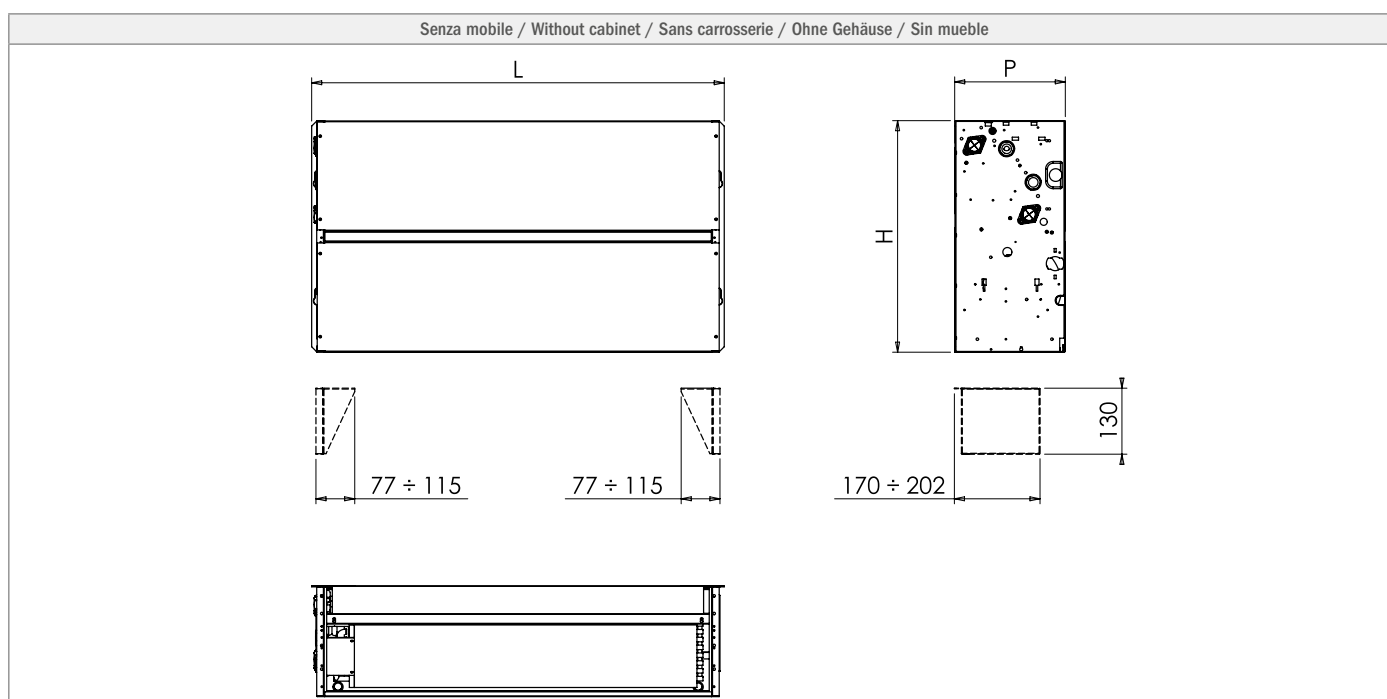
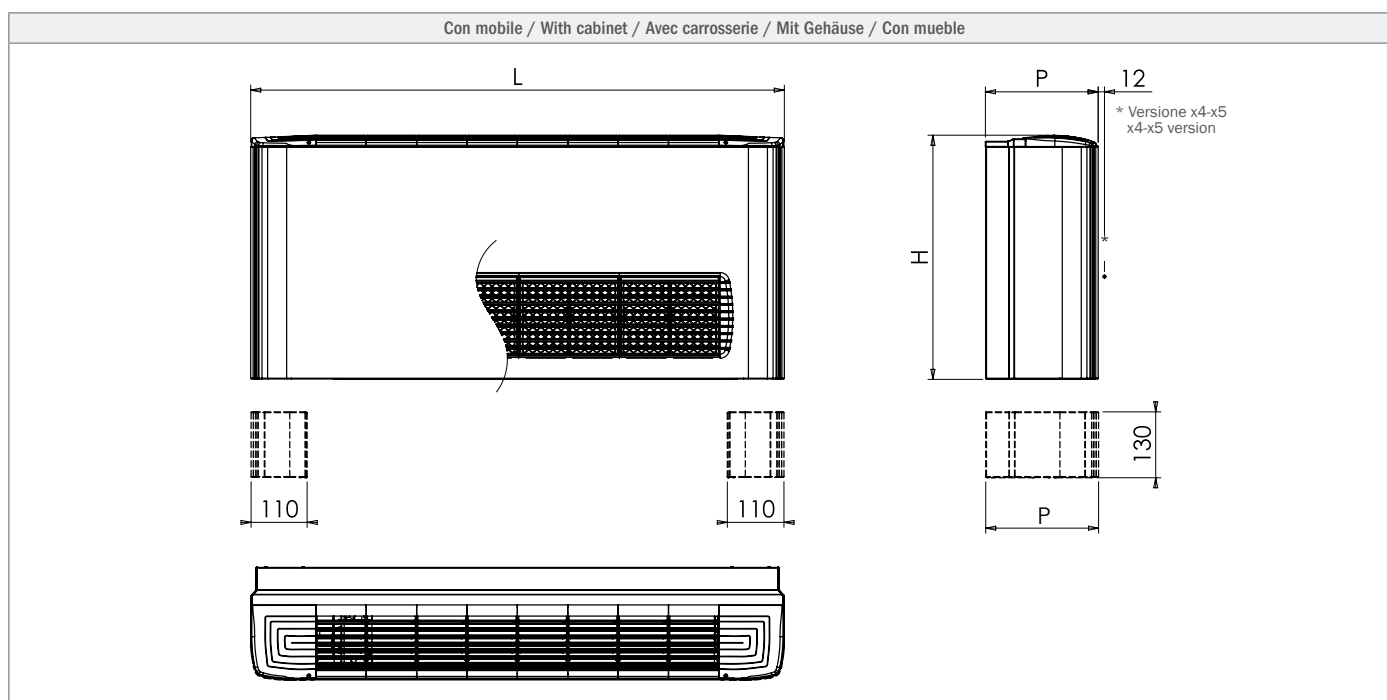
velocità cablate / wired speed / vitesse câblée / verkabelte Geschwindigkeitsstufe / velocidades cableadas (E) = Eurovent

## Weights and packaging

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

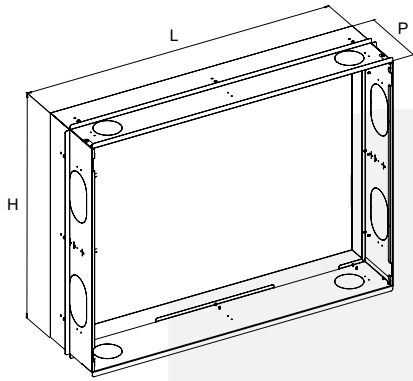


Con mobile / With cabinet Avec carrosserie / Mit Gehäuse / Con mueble			10	20	30	40	50	60	70	80	90	100	110	120
Lunghezza / Length / Longueur / Länge / Longitud	L	mm	660	860	1060	1060	1260	1260	1260	1460	1460	1660	1960	1960
Altezza / Height / Hauteur / Höhe / Altura	H	mm	480	480	480	480	480	480	585	585	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

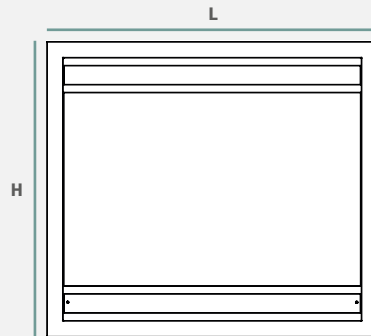


# □ Concealed panel

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MNFP-V



## VCE 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)



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.

#### VCE Concealed panel versions

##### MNFP-V

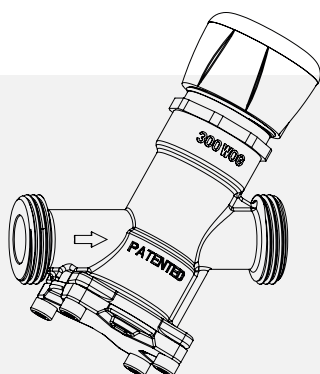
Panel for vertical and horizontal units, of limited thickness (7 mm only), made of hot-dip galvanized steel powder coated in white RAL 9003 color with directional air delivery flap.

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

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

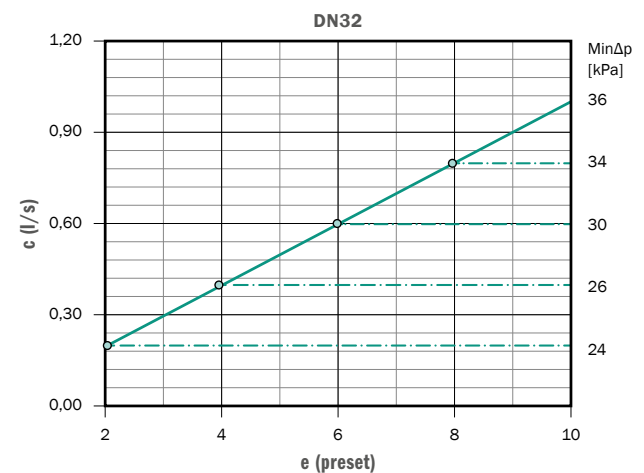
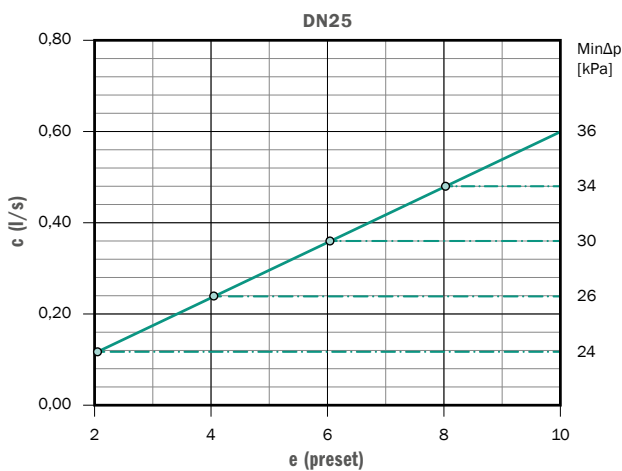
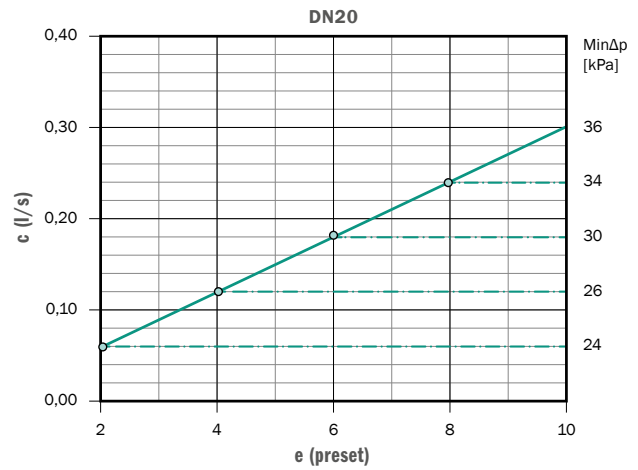
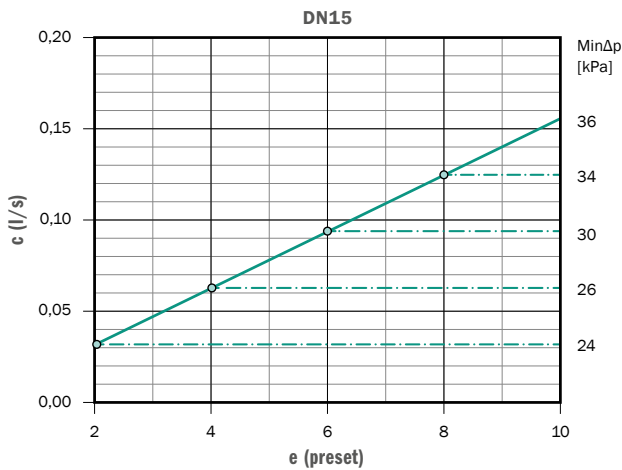
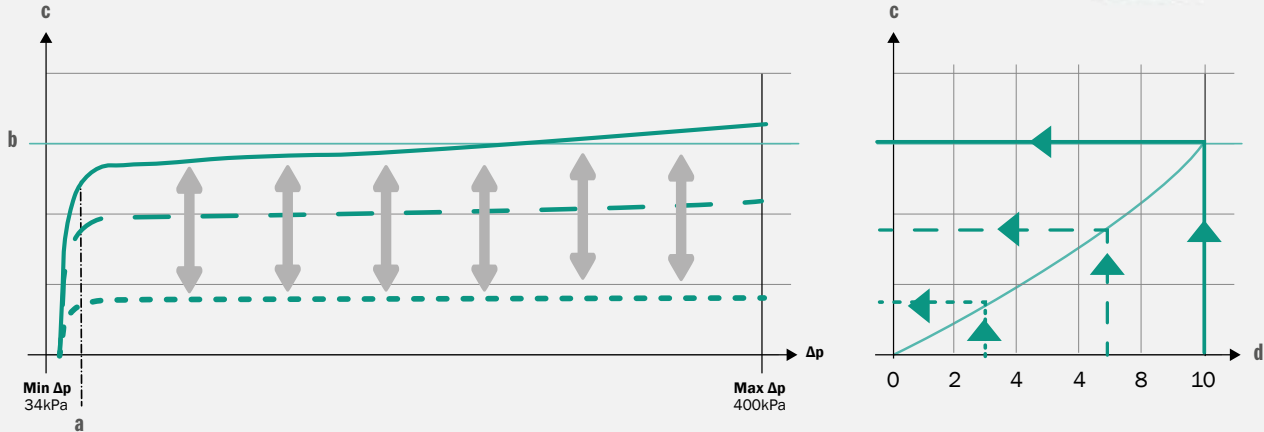
4 tubi (scambiatore ausiliario) - pipes (auxiliary coil) tubes (batterie auxiliaire) - Leiter (Zusatzwärmetauscher) - tubos (batería auxiliar)			10	20	30	40	50	60	70	80	90	100	110	120
	DN		DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 15	DN 20	DN 20	DN 20	DN 20	DN 20
Attacchi idraulici - Hydraulic connections 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	0,030	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	0,150	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.



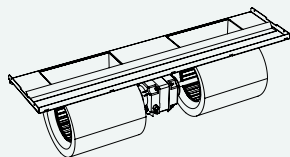
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<b>a</b>	Funzione di prerogolazione / Preset function / Fonction de pré réglage / Voreingestellte Funktion / Función preestablecida
<b>b</b>	Portata prerogolata / Preset flow rate / Débit pré réglé / Voreingestellte Durchflussmenge / Caudal preestablecido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

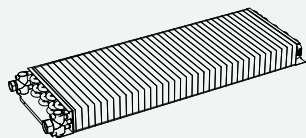
The series can be equipped with a wide range of accessories specifically designed and selected to be able to offer the customer solutions that can respond to every system requirement.

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.



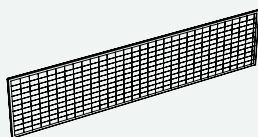
### Fan section:

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.



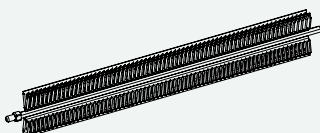
### Coils:

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.



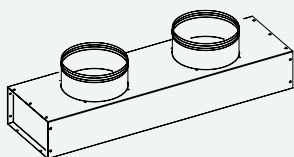
### Filters:

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)



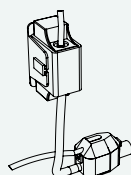
### Electric heaters:

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

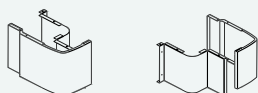


### Plenum:

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

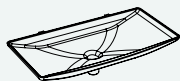


### Auxiliary condensate drain pump



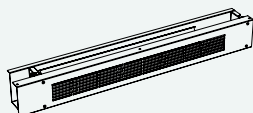
### Recessed feet and floor fixing brackets





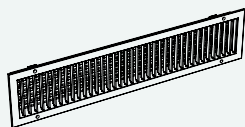
**Auxiliary condensate drain pan:**

for horizontal or vertical units



**Air intake damper kit:**

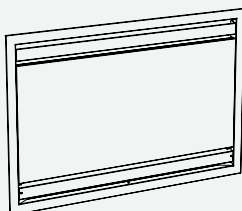
for horizontal or vertical units (primary air, max 8%), can also be equipped with servomotor for motorized opening.



**Grills:**

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

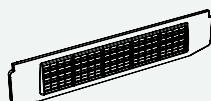
The grills can also be painted on request with the RAL color of your choice.



**Panels and technical spaces:**

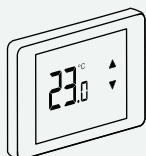
wide range of front cover panels in multiple configurations, finishes and thicknesses, with relative recessed technical spaces.

Also available the rear cover panel for installation on glass.



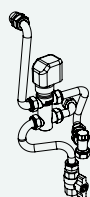
**Bottom closure:**

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.

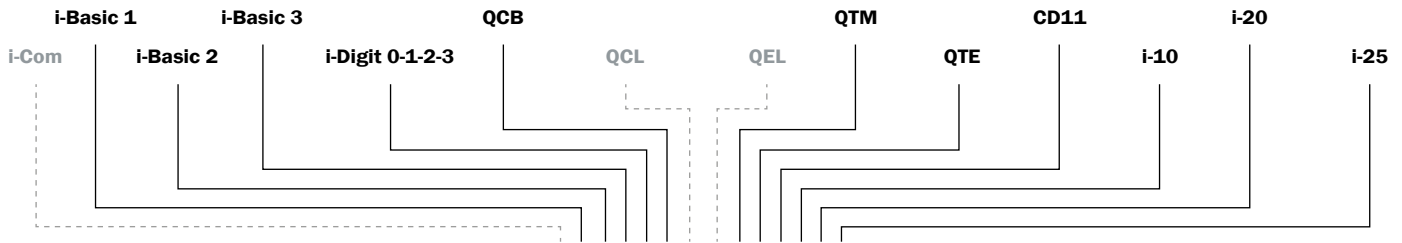
<b>503FA</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico con display LCD</li> <li>- Electronic thermostat with LCD display</li> <li>- Thermostat électronique avec écran LCD</li> <li>- Elektronisches Thermostat mit LCD-Display</li> <li>- Termostato electrónico con pantalla LCD</li> </ul>	<b>i-Basic 3</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico con programmazione semplificata a DIP-SWITCH</li> <li>- Analog electronic thermostat with simplified DIP-SWITCH programming</li> <li>- Thermostat électronique analogique avec programmation simplifiée à DIP-SWITCH</li> <li>- Analoger elektronischer Thermostat mit vereinfachter DIP-Schalter Programmierung</li> <li>- Termostato electrónico analógico con programación simplificada DIP-SWITCH</li> </ul>
<b>AGKNFC101 (KNX)</b>	<ul style="list-style-type: none"> <li>- Regolatore per fan coil con protocollo KNX</li> <li>- KNX fan coil controller</li> </ul>	<b>i-Com</b>	<ul style="list-style-type: none"> <li>- Comando senza regolazione di temperatura</li> <li>- Base switch without temperature control</li> <li>- Commande sans réglage de température</li> <li>- Regler für Geräte für 2-Leiter oder 4-Leiter-System ohne Temperaturregelung</li> <li>- Control sin regulación de temperatura</li> </ul>
<b>CD11</b>	<ul style="list-style-type: none"> <li>- Comando senza regolazione di temperatura</li> <li>- Control without temperature control</li> <li>- Commande sans réglage de température</li> <li>- Steuerung ohne Temperaturregelung</li> <li>- Control sin regulación de temperatura</li> </ul>	<b>i-Digit 0-1-2-3</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico programmabile con display LCD</li> <li>- Programmable electronic thermostat with LCD display</li> <li>- Thermostat électronique programmable avec écran LCD</li> <li>- Elektronischer Thermostat für Gebläsekonvektoren mit 2-Leiter oder 4-Leiter-System, mit LCD-Display</li> <li>- Termostato electrónico programable con pantalla LCD</li> </ul>
<b>COM-B</b>	<ul style="list-style-type: none"> <li>- Commutatore 3 velocità con selettore rotativo BTicino</li> <li>- BTicino rotary selector switch</li> <li>- Commutateur 3 vitesses avec sélecteur rotatif BTicino</li> <li>- Umschalter der 3 Geschwindigkeitsstufen mittels Wahlschalter BTicino</li> <li>- Conmutador de 3 velocidades con selector giratorio b-Ticino</li> </ul>	<b>IR-C</b>	<ul style="list-style-type: none"> <li>- Telecomando a raggi infrarossi (per cassette e sistemi TRI/F1 2.0 + S-MOD)</li> <li>- Infrared remote control (for cassette and TRI/F1 2.0 + S-MOD systems)</li> <li>- Télécommande à infrarouges (pour cassette et TRI/F1 2.0 + S-MOD systèmes)</li> <li>- Infrarot-Fernbedienung (für Kassettengeräte und TRI/F1 2.0 + S-MOD Systeme)</li> <li>- Control remoto IR (para fancoil de tipo cassette e sistemas TRI/F1 2.0 + S-MOD)</li> </ul>
<b>COM-V</b>	<ul style="list-style-type: none"> <li>- Commutatore 3 velocità con selettore a slitta Vimar</li> <li>- Vimar 3-speed slide selector</li> <li>- Commutateur 3 vitesses avec sélecteur à glissière Vimar</li> <li>- Umschalter der 3 Geschwindigkeitsstufen mittels Schiebeshalter Vimar</li> <li>- Conmutador de 3 velocidades con selector deslizante Vimar</li> </ul>	<b>IR-T</b>	<ul style="list-style-type: none"> <li>- Telecomando a raggi infrarossi (per unità a parete)</li> <li>- Infrared remote control (for wall unit)</li> <li>- Télécommande à infrarouges (pour unité murale)</li> <li>- Infrarot-Fernbedienung für wandmontierte Geräte</li> <li>- Control remoto IR (para unidad de pared)</li> </ul>
<b>FAN01</b>	<ul style="list-style-type: none"> <li>- Regolatore per fan coil configurabile con protocollo di comunicazione BACnet</li> <li>- Configurable fan coil controller with BACnet communication protocol</li> <li>- Régulateur pour ventilconvecteur configurable avec protocole de communication BACnet</li> <li>- Regler für Gebläsekonvektor konfigurierbar über Kommunikationsprotokoll BACnet</li> <li>- Controlador fancoil configurable con protocolo de comunicación BACnet</li> </ul>	<b>QCB</b>	<ul style="list-style-type: none"> <li>- Quadro comando base</li> <li>- Base control panel</li> <li>- Panneau de contrôle base</li> <li>- Basisbediengerät</li> <li>- Panel de control base</li> </ul>
<b>i-10</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico base (unità a 2 e 4 tubi)</li> <li>- Analog electronic thermostat (2 and 4 pipe units)</li> <li>- Thermostat électronique analogique base (unité à 2 et 4 tubes)</li> <li>- Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter- oder 4-Leiter-System</li> <li>- Termostato electrónico analógico base (unidades de 2 y 4 tubos)</li> </ul>	<b>QCL</b>	<ul style="list-style-type: none"> <li>- Quadro comando base in lamiera</li> <li>- Sheet base control panel</li> <li>- Panneau de contrôle base en tôle</li> <li>- Basisbediengerät aus Metall</li> <li>- Panel de control base en chapa</li> </ul>
<b>i-20</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico (unità a 2 tubi)</li> <li>- Analog electronic thermostat (2 pipe units)</li> <li>- Thermostat électronique analogique (unité à 2 tubes)</li> <li>- Analoger elektronischer Thermostat für Geräte mit 2-Leiter-System</li> <li>- Termostato electrónico analógico (unidad de 2 tubos)</li> </ul>	<b>QEL</b>	<ul style="list-style-type: none"> <li>- Quadro comando base in lamiera</li> <li>- Sheet base control panel</li> <li>- Panneau de contrôle base en tôle</li> <li>- Basisbediengerät aus Metall</li> <li>- Panel de control base en chapa</li> </ul>
<b>i-25</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico (unità a 4 tubi)</li> <li>- Analog electronic thermostat (4 pipe units)</li> <li>- Thermostat électronique analogique (unité à 4 tubes)</li> <li>- Analoger elektronischer Thermostat für Geräte mit 4-Leiter-System</li> <li>- Termostato electrónico analógico (unidad de 4 tubos)</li> </ul>	<b>QTE</b>	<ul style="list-style-type: none"> <li>- Quadro comando base con termostato ambiente elettronico</li> <li>- Base control panel with electronic room thermostat</li> <li>- Panneau de contrôle base avec thermostat ambiant électronique</li> <li>- Basisbediengerät mit elektronischem Raumthermostat</li> <li>- Panel de control base con termostato ambiente electrónico</li> </ul>
<b>i-30</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico touch con display LCD</li> <li>- Programmable electronic thermostat with LCD display</li> <li>- Thermostat électronique programmable avec écran LCD</li> <li>- Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display</li> <li>- Termostato electrónico programable con pantalla LCD</li> </ul>	<b>QTM</b>	<ul style="list-style-type: none"> <li>- Quadro comando base con termostato ambiente elettromeccanico (a bulbo)</li> <li>- Base control panel with room electromechanical temperature bulb thermostat</li> <li>- Panneau de contrôle base avec thermostat ambiant électromécanique (à bulbe)</li> <li>- Basischalttafel mit elektromechanischem Raumtempertur-Thermostat (mit Stabfühler)</li> <li>- Panel de control base con termostato ambiente electromecánico (a bulbo)</li> </ul>
<b>i-50</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico touch con display LCD</li> <li>- Programmable electronic thermostat with LCD display</li> <li>- Thermostat électronique programmable avec écran LCD</li> <li>- Programmierbarer elektronischer Thermostat für Gebläsekonvektoren mit 2/4-Leiter-System, mit LCD-Display</li> <li>- Termostato electrónico programable con pantalla LCD</li> </ul>	<b>RWIECM 1-2</b>	<ul style="list-style-type: none"> <li>- Interfaccia utente a parete</li> <li>- Wall user interface</li> <li>- Interface utilisateur mural</li> <li>- Wandmontiertes Bediengerät</li> <li>- Interfaz de usuario de pared</li> </ul>
<b>i-60</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico touch con connessione WiFi per gestione remota</li> <li>- Touch fan coil thermostat with WiFi connection</li> <li>- Thermostat électronique tactile avec connexion WiFi pour gestion à distance</li> <li>- Elektronischer Touch-Thermostat mit WiFi-Anbindung für Fernüberwachung</li> <li>- Termostato electrónico Touch con conexión WiFi para gestión remota</li> </ul>	<b>S-MOD</b>	<ul style="list-style-type: none"> <li>- Sistema di supervisione</li> <li>- Supervision system</li> <li>- Système de supervision</li> <li>- Überwachungssystem</li> <li>- Sistema de supervisión</li> </ul>
<b>i-70</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico touch configurabile, con protocollo di comunicazione Modbus/BACnet (unità a 2 e 4 tubi)</li> <li>- Touch programmable electronic thermostat with Modbus/BACnet protocol communication (unit 2 and 4 pipe system)</li> <li>- Thermostat électronique tactile configurable, avec protocole de communication Modbus/BACnet (unité à 2 et 4 tubes)</li> <li>- Konfigurierbarer elektronischer Touch-Thermostat, mit Modbus/BACnet-Kommunikation mit 2/4-Leiter-System</li> <li>- Termostato electrónico Touch configurable, con protocolo de comunicación Modbus / Bacnet (unidades de 2 y 4 tubos)</li> </ul>	<b>TRI/F1 2.0</b>	<ul style="list-style-type: none"> <li>- Controllo con telecomando IR o interfaccia a muro con protocollo di comunicazione Modbus</li> <li>- Infrared remote controller or wall controller with Modbus communication protocol</li> <li>- Contrôle avec télécommande IR ou interface mural avec protocole de communication Modbus</li> <li>- Steuerung mittels Infrarot-Fernbedienung oder wandmontiertes Bedienfeld mit Modbus-Kommunikationsprotokoll</li> <li>- Control con mando IR o interfaz de pared con protocolo de comunicación Modbus</li> </ul>
<b>i-Basic 1</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico base</li> <li>- Analog base electronic thermostat</li> <li>- Thermostat électronique analogique base</li> <li>- Analoger elektronischer Basisthermostat für Geräte mit 2-Leiter oder 4-Leiter-System</li> <li>- Termostato electrónico analógico base</li> </ul>		
<b>i-Basic 2</b>	<ul style="list-style-type: none"> <li>- Termostato elettronico analogico</li> <li>- Analog electronic thermostat</li> <li>- Thermostat électronique analogique</li> <li>- Analoger elektronischer Thermostat für Geräte mit 2-Leiter oder 4-Leiter-System</li> <li>- Termostato electrónico analógico</li> </ul>		

# Compatibility of controls

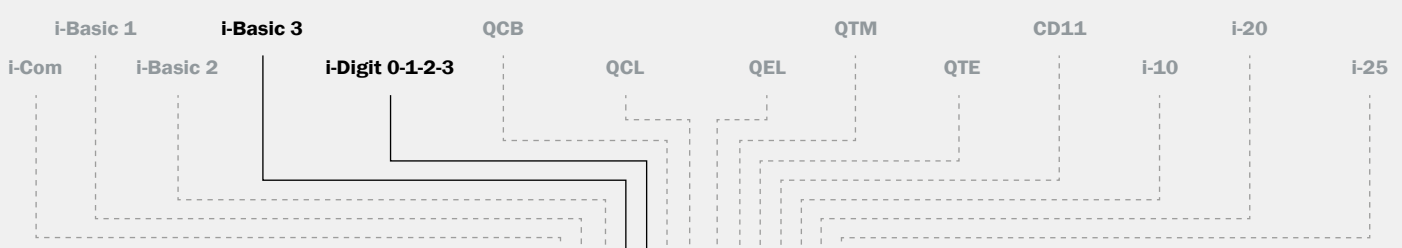
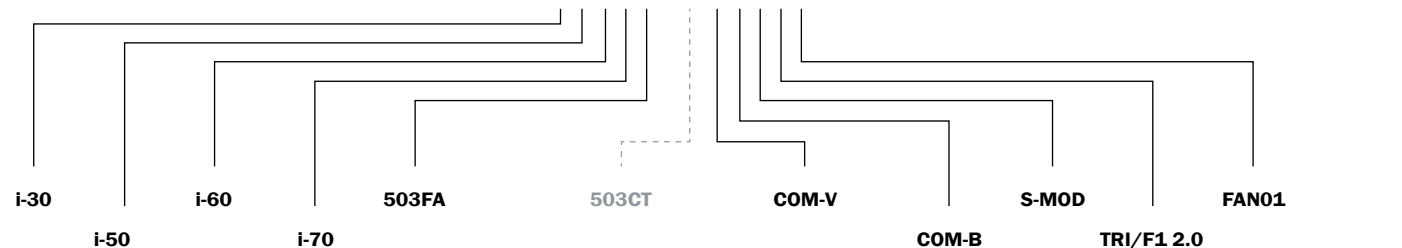
Scheda di potenza per controllo a 3 velocità  
 Power chart for 3-speed control  
 Fiche de puissance pour contrôle à 3 vitesses  
 Leistungsplatine zur Steuerung mit 3 Geschwindigkeiten  
 Tarjeta de alimentación para el control de 3 velocidades

	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	-	-	-	○	○	○	-	-	-	-	-	-	○	○	-	-	-	-

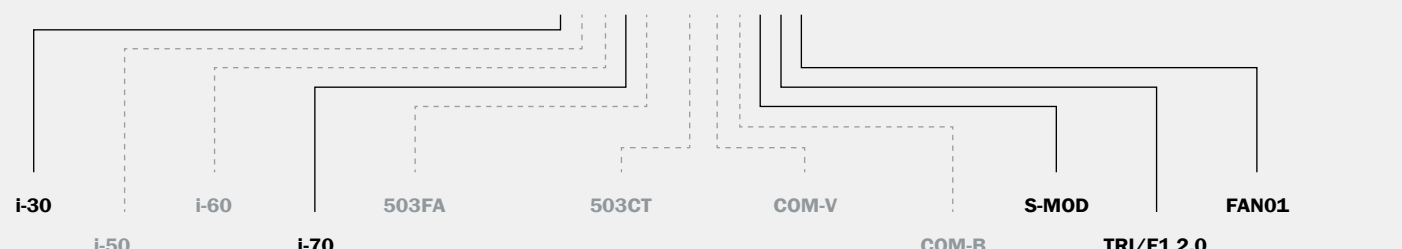
VCE | VCE-ECM



## VCE



## VCE-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)

## 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 água

[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

[www.venticlima.com](http://www.venticlima.com)







A GROUP S.p.A.

Via Monte Grappa, 67  
31020 San Zenone degli Ezzelini (TV) - Italy  
Tel. +39 0423 969037 - Fax +39 0423 968197  
info@ventilclima.com - www.ventilclima.com  
www.aliseogroup.com



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