



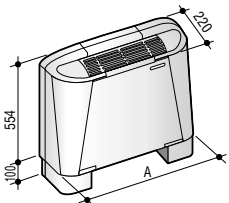
Range

27 models in 3 versions:

- Vento/VOB** fan coil with casing for vertical and horizontal installation and intake from below.
- Vento/VOF** fan coil with casing for vertical and horizontal installation with front intake
- Vento/VO** fan coil without casing for vertical and horizontal installation

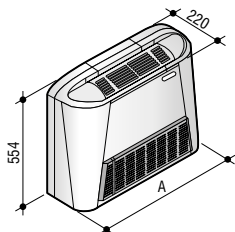
Functions and controls

1



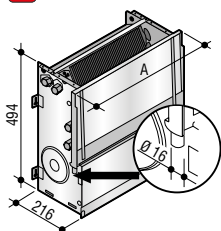
| Model | A | Weight |
|---------------|-------|--------|
| fan coil | mm | kg |
| VENTO 15/VOB | 690 | 15 |
| VENTO 20/VOB | 690 | 15 |
| VENTO 30/VOB | 940 | 21 |
| VENTO 40/VOB | 940 | 21 |
| VENTO 50/VOB | 1,190 | 28 |
| VENTO 60/VOB | 1,190 | 28 |
| VENTO 80/VOB | 1,190 | 28 |
| VENTO 100/VOB | 1,440 | 36 |
| VENTO 120/VOB | 1,440 | 36 |

2



| Model | A | Weight |
|---------------|-------|--------|
| fan coil | mm | kg |
| VENTO 15/VOF | 690 | 14 |
| VENTO 20/VOF | 690 | 14 |
| VENTO 30/VOF | 940 | 20 |
| VENTO 40/VOF | 940 | 20 |
| VENTO 50/VOF | 1,190 | 27 |
| VENTO 60/VOF | 1,190 | 27 |
| VENTO 80/VOF | 1,190 | 27 |
| VENTO 100/VOF | 1,440 | 34 |
| VENTO 120/VOF | 1,440 | 34 |

3



| Model | A | Weight |
|--------------|-------|--------|
| fan coil | mm | kg |
| VENTO 15/VO | 474 | 11 |
| VENTO 20/VO | 474 | 11 |
| VENTO 30/VO | 724 | 15 |
| VENTO 40/VO | 724 | 15 |
| VENTO 50/VO | 974 | 22 |
| VENTO 60/VO | 974 | 22 |
| VENTO 80/VO | 974 | 22 |
| VENTO 100/VO | 1,224 | 29 |
| VENTO 120/VO | 1,224 | 29 |

Vento

- Centrifugal fan coils for horizontal, vertical and recessed installations.
- Covering cabinet obtained by integrating plastic parts and galvanised sheet metal parts, coated with epoxy powder.
- Finned pack thermal exchange coil, with aluminium fins and copper pipes.
- Removable and regenerable air filter.
- Fan unit with 3-speed motor and aluminium centrifugal fans.

Functions and controls



Switch

Provided with:

- Selector for Summer / Off / Winter function
- Selector for Min / Med / Max fan speed

Available in two different versions:

for cabinet installation **CM-F** / for remote installation **CMR-F**



Electronic thermostat

Comes with:

- Selector for Off/Summer/Winter/Auto function
- Selector for Min/Med/Max/Auto fan speed
- Knob to set the required temperature.

Note: The selected temperature refers to a value indicated on the knob and not to an offset in relation to a predetermined value.

For the wall-hung version:

- yellow LED: on when the thermostat is powered
- green LED: on when the cooling function is on
- red LED: on when the heating function is on

Available in two different versions:

for cabinet installation **TE-N** / for remote installation **TER-N**



3V Power Module

Module to be installed on each unit, it is able to activate the three fan speeds as well as any hot and cold valves. Through a micro-switch, it is able to manage different system configurations, 2 or 4 pipes or solutions with electric resistance integration. It manages heating and cooling and accepts presence status inputs of the place to be air-conditioned. It receives the settings directly from one of the two Master controllers, either fitted on the machine or remote or from a serial connection with other units belonging to a single group of terminals with Master Slave setting.



Master remote terminal

By means of the remote terminal, which can be installed on the wall and connected with three wires to the power module, it is possible to set all the operating parameters of the units. The display shows the room temperature (via an air probe integrated in the terminal) and the set-point, and features icons for indicating the state (on/off), operating mode (heating/cooling/auto), fan speed (1/2/3/auto). Through the 4 keys, it is therefore possible to change the state, the operating mode, the set-point, and the fan speed. The display also shows any operating errors. The terminal is used to control a single fan coil while, through a serial connection, it acts as a master terminal and is able to manage a zone of fan coils (maximum 16).



Master terminal on board

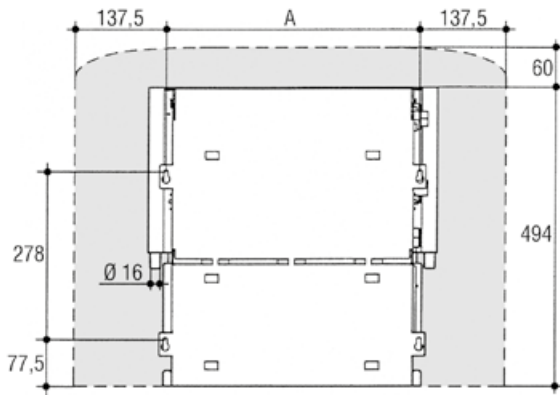
It has the same functions as the remote terminal, in this case it must be installed on the machine, under one of the fan coil side panels.



Slave terminal on board

In the case of Master-Slave application, it allows the slave units to modify some of the settings defined by the Master unit, such as local set-point and fan speed. Other modes are instead reserved for the Master control. The Slave terminal cannot be used to control a single fan coil.

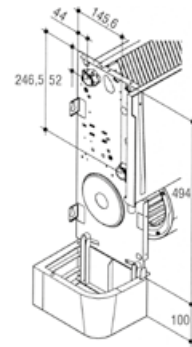
Installation template (in mm)



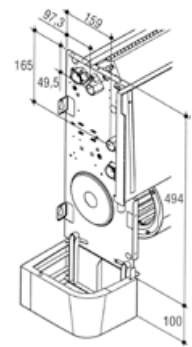
| Vento | A |
|----------|-------|
| | mm |
| 15-20 | 415 |
| 30-40 | 665 |
| 50-60-80 | 915 |
| 100-120 | 1,165 |

Hydraulic connections

Main coil



Additional coil



Technical features

| Model | | | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 |
|-----------------------------------|------|-------|------|------|------|------|------|------|-------|-------|-------|
| Total cooling capacity * | max. | W | 1100 | 1400 | 2100 | 2800 | 3400 | 4000 | 4900 | 6100 | 6850 |
| | med. | W | 980 | 1200 | 1850 | 2450 | 3010 | 3550 | 4350 | 5500 | 6100 |
| | min | W | 770 | 950 | 1450 | 1900 | 2390 | 2800 | 3600 | 4400 | 5000 |
| Sensitive cooling capacity * | max. | W | 850 | 1060 | 1620 | 2060 | 2420 | 2900 | 3800 | 4630 | 5300 |
| | med. | W | 735 | 910 | 1400 | 1780 | 2245 | 2550 | 3350 | 4045 | 4630 |
| | min | W | 560 | 705 | 1090 | 1390 | 1710 | 1985 | 2735 | 3155 | 3720 |
| Dehumidification at maximum speed | | g/h | 350 | 490 | 670 | 1050 | 1150 | 1550 | 1600 | 2100 | 2200 |
| Water flow rate * | | l/h | 189 | 241 | 361 | 482 | 585 | 688 | 843 | 1049 | 1178 |
| Water side pressure drops | | KPa | 4.4 | 6.9 | 14.6 | 23 | 14 | 18 | 19.1 | 9.9 | 12.5 |
| Heat output ** | max. | W | 2800 | 3650 | 5500 | 6500 | 7800 | 9400 | 12500 | 14900 | 15800 |
| | med. | W | 2400 | 3150 | 4550 | 5450 | 6600 | 7900 | 10800 | 12500 | 13270 |
| | min | W | 1800 | 2250 | 3400 | 4000 | 4930 | 5800 | 8300 | 9600 | 10000 |
| Water flow rate ** | | l/h | 241 | 314 | 473 | 559 | 671 | 808 | 1075 | 1281 | 1359 |
| Water side pressure drops ** | | KPa | 5.1 | 8.6 | 17.6 | 24.2 | 14 | 18.1 | 17.7 | 10.8 | 12.1 |
| Heat output *** | | W | 1700 | 2050 | 3200 | 3850 | 4300 | 5100 | 7200 | 8080 | 9300 |
| Water side pressure drops *** | | KPa | 3.6 | 5.3 | 9.6 | 15.2 | 13 | 14.6 | 15 | 8 | 10.1 |
| Heat output additional row | max. | W | 1250 | 1650 | 2550 | 3150 | 3690 | 4100 | 5050 | 6200 | 6950 |
| | med. | W | 1070 | 1420 | 2110 | 2640 | 3150 | 3440 | 4360 | 5200 | 6190 |
| | min | W | 860 | 1130 | 1750 | 2150 | 2320 | 2820 | 3480 | 4250 | 4800 |
| Water flow rate | | l/h | 108 | 142 | 219 | 271 | 317 | 353 | 434 | 533 | 598 |
| Water side pressure drops | | KPa | 1.8 | 3 | 8.7 | 13.2 | 4 | 4.1 | 6.88 | 12.8 | 16.1 |
| No. fans | | No. | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Max motor power | | W | 30 | 38 | 33 | 60 | 40 | 70 | 120 | 120 | 160 |
| Sound power SWL | max. | dB(A) | 43 | 47 | 50 | 54 | 51 | 55 | 62 | 61 | 64 |
| | med. | dB(A) | 39 | 42 | 43 | 48 | 44 | 49 | 57 | 57 | 59 |
| | min | dB(A) | 32 | 35 | 36 | 41 | 36 | 38 | 48 | 49 | 51 |
| Sound pressure SPL | max. | dB(A) | 34 | 38 | 41 | 45 | 42 | 46 | 53 | 52 | 55 |
| | med. | dB(A) | 30 | 33 | 34 | 39 | 35 | 40 | 48 | 48 | 50 |
| | min | dB(A) | 23 | 26 | 27 | 32 | 27 | 29 | 39 | 40 | 42 |
| 3R coil connections | F | Ø | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" |
| 1R coil connections | F | Ø | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| 3R coil water content | l | | 0.82 | 0.82 | 1.26 | 1.26 | 1.88 | 1.88 | 1.88 | 2.42 | 2.42 |
| 1R coil water content | l | | 0.22 | 0.22 | 0.36 | 0.36 | 0.5 | 0.5 | 0.5 | 0.64 | 0.64 |

NOTES:

* Air T=27°C D.B. / 19°C W.B. , water IN/OUT 7°/12°C, nominal air flow rate; for medium and minimum fan speed, water flow rate as at maximum speed.

** Air T=20°CWB, water IN/OUT 70°/60°C, nominal air flow rate; for medium and minimum fan speed, water flow rate as at maximum speed.

*** Air T=20°CWB, inlet water 50°C, water flow rate as in cooling; values refer to nominal air flow rate.

SWL: Sound power levels, referring to 1x10-12 W in dB(A), measured in accordance with standard ISO 9614.

SPL: Sound pressure in an environment of 100 m3 with reverberation time of 0.5 sec.

Fan coils












Centrifugal fan coils for horizontal, vertical and recessed installations. VENTO/VOB with casing for vertical and horizontal installation and intake from below. VENTO/VOF with casing for vertical and horizontal installation and front intake. VENTO/VO without casing for vertical and horizontal installation.

VENTO fan coils are supplied without the switch (cabinet/remote). When placing the order, you must necessarily couple the controls in the desired version (cabinet or remote).

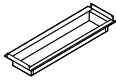
| Code | Model | Code | Model | Code | Model |
|----------|----------------------|----------|----------------------|----------|---------------------|
| 2T1000L | VENTO 15/VOB | 2T10900L | VENTO 15/VOF | 2T10J00L | VENTO 15/VO |
| 2T14000L | VENTO 20/VOB | 2T14900L | VENTO 20/VOF | 2T14J00L | VENTO 20/VO |
| 2T18000L | VENTO 30/VOB | 2T18900L | VENTO 30/VOF | 2T18J00L | VENTO 30/VO |
| 2T1C000L | VENTO 40/VOB | 2T1C900L | VENTO 40/VOF | 2T1CJ00L | VENTO 40/VO |
| 2T1G000L | VENTO 50/VOB | 2T1G900L | VENTO 50/VOF | 2T1GJ00L | VENTO 50/VO |
| 2T1L000L | VENTO 60/VOB | 2T1L900L | VENTO 60/VOF | 2T1LJ00L | VENTO 60/VO |
| 2T1Q000L | VENTO 80/VOB | 2T1Q900L | VENTO 80/VOF | 2T1QJ00L | VENTO 80/VO |
| 2T1U000L | VENTO 100/VOB | 2T1U900L | VENTO 100/VOF | 2T1UJ00L | VENTO 100/VO |
| 2T1Y000L | VENTO 120/VOB | 2T1Y900L | VENTO 120/VOF | 2T1YJ00L | VENTO 120/VO |

Accessories

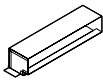
| | | | |
|---|----------|---|----------------------------------|
|  | Code | Description | Fan coil |
| | 19E2L07B | CMR-F - Remote switch kit | VENTO VOB - VENTO VOF - VENTO VO |
| | 19E2A11B | CMF - Cabinet switch kit | VENTO VOB - VENTO VOF |
|  | Code | Description | Fan coil |
| | 20Z29390 | TE-N - Cabinet electronic thermostat | VENTO VOB - VENTO VOF |
| | 20Z29400 | TER-N - Remote electronic thermostat | VENTO VOB - VENTO VOF - VENTO VO |
|  | Code | Description | Fan coil |
| | 20Z04470 | 3V Power Module | VENTO VOB - VENTO VOF - VENTO VO |
|  | Code | Description | Fan coil |
| | 20Z0444F | Master remote terminal | VENTO VOB - VENTO VOF - VENTO VO |
|  | Code | Description | Fan coil |
| | 20Z04450 | Master terminal on machine | VENTO VOB - VENTO VOF - VENTO VO |
|  | Code | Description | Fan coil |
| | 20Z04460 | Slave terminal on machine | VENTO VOB - VENTO VOF - VENTO VO |
|  | Code | Description | Fan coil |
| | 19E2A18A | TC-F - Consent thermostat kit | VENTO VOB - VENTO VOF - VENTO VO |
| To be coupled with remote switch and cabinet switch | | | |
|  | Code | Description | Fan coil |
| | 19E2A10A | Support feet kit | VENTO VOB |
|  | Code | Description | Fan coil |
| | 19E2A16A | 3-way valve kit for 1R coil | VENTO VOB - VENTO VOF - VENTO VO |



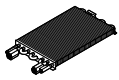
| Code | Description | Fan coil |
|----------|------------------------------------|----------------------------------|
| 19E2A17A | 3-way valve kit for 3R coil | VENTO VOB - VENTO VOF - VENTO VO |
| 20Z19050 | 2-way valve kit for 3R coil | VENTO VOB - VENTO VOF - VENTO VO |



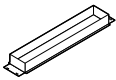
| Code | Description | Fan coil |
|----------|-------------------------------------|---|
| 19E2A23A | Straight delivery flange kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A24A | Straight delivery flange kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A25A | Straight delivery flange kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A26A | Straight delivery flange kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|--|---|
| 19E2A27A | Perpendicular delivery flange kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A28A | Perpendicular delivery flange kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A29A | Perpendicular delivery flange kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A30A | Perpendicular delivery flange kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|-------------------------------------|---|
| 19E2A19A | Supplementary 1 row coil kit | VENTO 15/VOB - VENTO 20/VOB - VENTO 15/VOF VENTO 20/VOF VENTO 15/VO - VENTO 20/VO |
| 19E2A20A | Supplementary 1 row coil kit | VENTO 30/VOB - VENTO 40/VOB - VENTO 30/VOF VENTO 40/VOF - VENTO 30/VO - VENTO 40/VO |
| 19E2A21A | Supplementary 1 row coil kit | VENTO 50/VOB - VENTO 60/VOB - VENTO 80/VOB VENTO 50/VOF - VENTO 60/VOF - VENTO 80/VOF VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A22A | Supplementary 1 row coil kit | VENTO 100/VOB - VENTO 120/VOB - VENTO 100/VOF VENTO 120/VOF - VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|-----------------------------------|---|
| 19E2A35A | Straight intake flange kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A36A | Straight intake flange kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A37A | Straight intake flange kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A38A | Straight intake flange kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|--|---|
| 19E2A39A | Perpendicular intake flange kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A40A | Perpendicular intake flange kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A41A | Perpendicular intake flange kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A42A | Perpendicular intake flange kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|----------------------------|---|
| 19E2A43A | Delivery grille kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A44A | Delivery grille kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A45A | Delivery grille kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A46A | Delivery grille kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|--------------------------|---|
| 19E2A47A | Intake grille kit | VENTO 15/VO - VENTO 20/VO |
| 19E2A48A | Intake grille kit | VENTO 30/VO - VENTO 40/VO |
| 19E2A49A | Intake grille kit | VENTO 50/VO - VENTO 60/VO - VENTO 80/VO |
| 19E2A50A | Intake grille kit | VENTO 100/VO - VENTO 120/VO |



| Code | Description | Fan coil |
|----------|-------------------------------|--|
| 19E2A51A | Rear closure panel kit | VENTO 15/VOB - VENTO 20/VOB - VENTO 15/VOF - VENTO 20/VOF |
| 19E2A52A | Rear closure panel kit | VENTO 30/VOB - VENTO 40/VOB - VENTO 30/VOF - VENTO 40/VOF |
| 19E2A53A | Rear closure panel kit | VENTO 50/VOB - VENTO 60/VOB - VENTO 80/VOB - VENTO 50/VOF VENTO 60/VOF - VENTO 80/VOF |
| 19E2A54A | Rear closure panel kit | VENTO 100/VOB - VENTO 120/VOB - VENTO 100/VOF - VENTO 120/VOF |