

> VTP

Wall type fan coil



UNIT DESCRIPTION

The wall type fan coil unit is a terminal for the treatment of room air in the summer season (coil supplied with cold water) and in winter (coil supplied with hot water).

These units are suitable for indoor installation, very compact and amply configurable to meet the requirements of highly qualified designers.

The careful design of the main components, refined styling and the versatility of the product make it suitable for any type of installation in the residential, commercial or industrial context. Available in 4 constructional sizes with 1.31 to 4.38 kW refrigerating power rating and 1.6 to 5.25 kW heating capacity, they are suitable for installation on walls, while their small size provides them with a pleasant appearance.

The cabinet is made of ABS material and provides high mechanical characteristics and resistance to ageing.

It also acts as the bearing structure of the unit.

The ventilating unit consists of a tangential fan with an DC brushless motor with very low power consumption. A display on the front panel shows the operating status of the units and the setting temperature.

The units are equipped with a pair of flexible hydraulic pipes to facilitate

EC motor



connections to the system.

All the units are equipped with a three-way on-off valve. The valve is installed inside the unit and can be easily accessed via the front panel: use of the three-way valve prevents the unit from cooling too much when the fan is at a standstill and also prevents the unpleasant formation of condensation on the casing

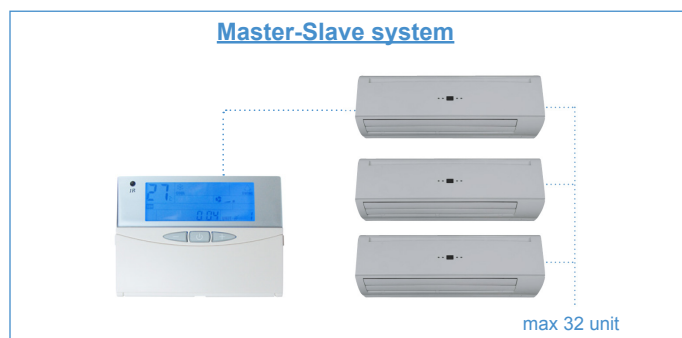
3-way valve



of the machine.

The units can be connect in Master-Slave mode.

Master-Slave system



CONTROLS

Two different control are available. One of them must be choose. In case of Master Slave function it will be necessary select at least one control for all the group or zone.

Infrared remote control Rem-I

It set all the function of the units via infrared. It's complete with LCD display, for quick setting of parameters necessary for correct use of the unit.

It's also provided of a wall fixing holder. It permit to control the units from max 7 m distance.



Wire wall control Rem-I

It set all the function of the units via infrared and it can locally measure the ambient temperature. If used in a Master Slave system it can control singularly any units of the system. It can be use as infrared receiver. It's equipped with a 7m connecting wire.



TECHNICAL DATA

MODEL		15	25	35	45	
Total cooling capacity ^{(1) (E)}	max.	1310	2170	3160	4380	W
	med.	1090	1710	2360	3840	W
	min.	880	1430	2030	3120	W
Sensible cooling capacity ^{(1) (E)}	max.	970	1590	2310	3180	W
	med.	800	1250	1710	2780	W
	min.	640	1040	1460	2240	W
Dehumidification at maximum speed ⁽¹⁾		480	820	1200	1740	g/h
Water flow rate ⁽¹⁾		225	373	544	753	l/h
Water pressure drop on water side ^(E)		13	18,3	31,6	48	kPa
Heating capacity ^{(2) (E)}	max.	1600	2640	3830	5250	W
	med.	1330	2080	2830	4580	W
	min.	1060	1710	2440	3680	W
Water flow rate ⁽²⁾		225	373	544	753	l/h
Water pressure drop on water side ^{(2) (E)}		11,1	15,6	26,9	40,8	kPa
Heating capacity ^{(3) (E)}	max.	2640	4355	6320	8660	W
	med.	2190	3440	4675	7535	W
	min.	1740	2830	4045	6060	W
Water flow rate ⁽³⁾		114	179	243	394	l/h
Water pressure drop on water side ^{(3) (E)}		11,0	15,0	25,0	40,0	kPa
Power supply		230-1-50				V-F-Hz
Air flow rate	max.	370	500	645	880	m ³ /h
	med.	290	370	445	740	m ³ /h
	min.	220	290	370	570	m ³ /h
Sound power ^(E)	max.	38	46	52	57	dB(A)
	med.	35	38	43	51	dB(A)
	min.	32	35	38	45	dB(A)
Sound pressure ⁽⁴⁾	max.	29	37	43	48	dB(A)
	med.	26	29	34	42	dB(A)
	min.	23	26	29	36	dB(A)
Absorption ^(E)	max.	10	13	20	30	W
	med.	8	10	13	20	W
	min.	6	8	10	13	W
Motor absorption	max.	0,08	0,14	0,18	0,27	A
Coil water content		0,045	0,079	0,124	0,192	l
Plumbing connections	Ø	1/2" F	1/2" F	1/2" F	1/2" F	"
Condensate drain connection	Ø	16	16	16	16	mm
Valve	Type	3 way ON-OFF				-
	Connection	1/2"	1/2"	1/2"	1/2"	"

(1) Water 7°C IN- 12°C OUT - Air 27°C DB 19°C WB

(2) Water 50°C IN - Same flow rate cool mode - Air 20°C DB

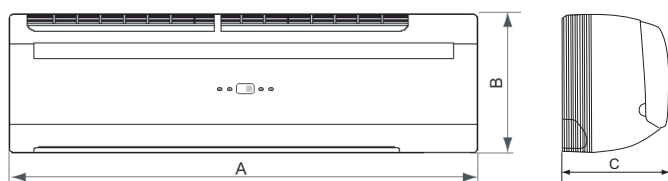
(3) Water 70°C IN - OUT 60°C - Air 20°C DB

(4) Sound pressure level at 1 metre from the unit

(E) Eurovent certified data

Pressure losses on water side include losses on the valve.

OVERALL DIMENSIONS



MOD.	15	25	35	45	UM
A			876		mm
B			300		mm
C			228		mm
Weigh	11	12	13	14	kg