

Packaged air-conditioning unit

- ▶ Reversible heat pump
- Water cooled
- Horizontal indoor installation
- Ductable

Capacity from 8 to 31,5 kW



Room control **HID-P1** for wall-mounted remote installation with functions of:

- ▶ manual or automatic summer/winter selection
- ▶ temperature setting
- ▶ manual setting of fan speed
- ▶ other useful functions.

VERSATEMP

High efficiency, low noise, single compressor **EVHSpace** units are available in 10 sizes, backed up by a complete range of accessories.

They are ideal for air conditioning in shops, shopping centres and open space offices, etc. and can be installed either in a closed ring (WLHP) configuration or, more commonly, in a lost water configuration.

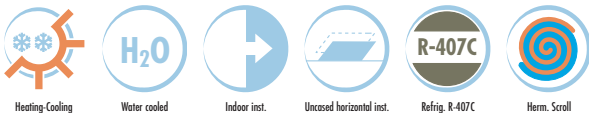
Thanks to their compact size and easy maintenance, they are the perfect choice for installation above false ceilings.

Air supply is ducted while air return can be either ducted or direct from the surrounding environment.

Because they can function in heating and cooling modes, these units ensure real all-year-round comfort.

A microprocessor control system provides important additional control and adjustment functions, all of which can be controlled by a room controller or B.M.S. over a serial communication line.

functions and features



available configurations

EVH- SPACE 51 ⁽¹⁾ W ⁽²⁾ MMFS

(1) APPLICATION:

- ▶ **W** Water loop (Standard)
- ▶ **PW** Once-through water system

(2) ELECTRIC FAN MOTORS

- ▶ **MMFS** Outlet electric fan motor Standard
- ▶ **MMRI** Outlet electric fan motor controlled by inverter (only sizes 8.1÷10.1)

accessories

- ▶ Dirty filters differential pressure switch
- ▶ Steel mesh filter on water side
- ▶ Motor-operated 2-way ON/OFF valve water side
- ▶ Motor-operated 2-way modulating valve water side
- ▶ Manual 2-way valves water side
- ▶ Shut-off valve for by-pass water side
- ▶ Return air temperature sensor
- ▶ Serial communication module to supervisor (BMS)

Key to symbols:

- Accessories supplied separately.

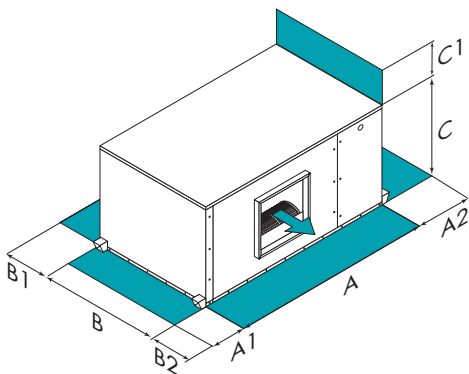
technical data

Sizes			21	25	31	41	51	61	71	81	91	101
▶ Cooling capacity	(1)	kW	8,00	8,50	9,30	13,3	17,2	19,5	21,6	23,5	27,8	31,5
Sensible cooling capacity	(1)	kW	6,40	7,20	7,80	10,1	13,8	14,1	17,4	17,9	22,9	23,7
Total input		kW	1,97	2,47	2,77	3,07	4,14	4,84	5,34	6,40	7,90	8,40
EER	(1)	-	5,06	3,99	3,88	4,96	5,03	4,76	4,71	4,42	4,08	4,30
▶ Heating capacity	(2)	kW	8,20	10,1	11,9	14,3	17,0	20,0	22,9	25,3	31,9	37,3
Total input	(2)	kW	2,17	2,67	3,07	3,57	4,34	5,14	5,74	6,70	8,60	9,60
COP	(2)	-	4,54	4,41	4,38	4,54	4,76	4,58	4,59	4,52	4,24	4,40
Number and type of compressors	-		1 SCROLL									
Fan type	(3)	-	ELV									
Air flow rate		l/s	555	666	750	777	1166	1222	1286	1527	1722	1861
Max. working static pressure	(4)	Pa	120	120	100	100	140	140	140	100	100	100
Sound pressure level		dB(A)	53	54	54	54	55	54	55	56	56	57
Power supply		V/Ph/Hz	400/3/50+N									400/3/50

Data referred to the following conditions:

- (1) Ambient air 26°C D.B./19,5 °C W.B.; water at exchanger inlet 29°C; water at exchanger outlet 35°C; EER refers to the compressors only
- (2) Ambient air 20°C; water at exchanger outlet 10°C; COP refers to the compressors only
- (3) ELV = electric fan
- (4) With standard electric fan at min. fan speed (sizes 21÷71); with standard electric fan (sizes 81÷101)

dimensions and clearances



Sizes		21	25	31	41	51	61	71	81	91	101
Length (A)	mm	1100	1100	1100	1100	1375	1375	1375	1730	1730	1730
Width (B)	mm	710	710	710	710	750	750	750	810	810	810
Height (C)	mm	500	500	500	500	600	600	600	705	705	705
▶ (A1)	mm	10	10	10	10	10	10	10	10	10	10
(A2)	mm	300	300	300	300	300	300	300	300	300	300
(B1)	mm	500	500	500	500	500	500	500	500	500	500
(B2)	mm	300	300	300	300	300	300	300	300	300	300
(C1)	mm	10	10	10	10	10	10	10	10	10	10
Weight in oper.	kg	130	140	155	170	210	217	225	295	302	310

The above data refer to standard units.

CAUTION! For trouble-free operation of the unit it is essential to maintain the clearances in green.