

VERSATEMP

Direct expansion high efficiency air conditioner
Reversible heat pump
Water cooled
Horizontal indoor installation uncased
Capacity from 2,3 to 4,2 kW



- ✓ Reversible heat pump
- ✓ Internal and horizontal installation, ductable
- ✓ High efficiency in all the operating conditions
- ✓ Quiet Operation
- ✓ Specific hydraulic circuit components for different plant solutions
- ✓ Compliant with main communication protocols
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functions and features



Heat pump



Water cooled



Horizontal:
uncased



R-410A

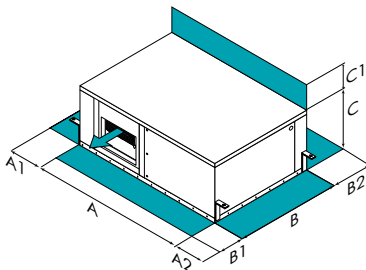


Hermetic
rotary



Electronic
expansion
valve

dimensions and clearances



Size		▶▶ EVH-X	5	7	9	11	15	17
A - Length	mm		1034	1034	1034	1034	1034	1034
B - Width	mm		513	513	513	513	513	513
C - Height	mm		361	361	361	386	386	386
A1	mm		100	100	100	100	100	100
A2	mm		350	350	350	350	350	350
B1	mm		350	350	350	350	350	350
B2	mm		350	350	350	350	350	350
C1	mm		100	100	100	100	100	100
Operating weight	kg		71	73	74	77	81	82

The above mentioned data are referred to standard units for the constructive configurations indicated.
For all the other configurations, refer to the relative Technical Bulletin.

CAUTION!
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

technical data configurations

Size	▶▶ EVH-X	5	7	9	11	15	17
A27/19 W30							
♦ Cooling capacity	(1)	kW	2,26	2,83	3,16	3,45	4,16
Sensible cooling capacity		kW	1,91	2,41	2,75	2,93	3,5
Total power input		kW	0,54	0,66	0,74	0,77	0,92
EER (EN 14511:2022)		-	4,22	4,27	4,28	4,5	4,51
A20 W20							
♦ Heating capacity	(2)	kW	2,76	3,38	3,85	4,15	4,92
Total power input		kW	0,55	0,65	0,77	0,82	1,06
COP (EN 14511:2022)		-	4,99	5,2	4,97	5,05	4,66
A20 W15							
♦ Heating capacity	(3)	kW	2,46	2,97	3,33	3,66	4,42
Total power input		kW	0,55	0,63	0,72	0,8	1,02
COP (EN 14511:2022)		-	4,42	4,6	4,47	4,59	4,3
No. of compressors		Nr	1	1	1	1	1
Type of compressors	(4)	-	ROT	ROT	ROT	ROT	ROT
Supply air flow rate		m ³ /h	533	533	612	684	800
Type of supply fan	(5)	-	CFG	CFG	CFG	CFG	CFG
Number of supply fans		Nr	1	1	1	1	1
Max. static pressure supply fan		Pa	40	40	40	40	40
Water flow (Source side)		l/s	0,13	0,16	0,18	0,2	0,24
Standard power supply		V	230/1~/50	230/1~/50	230/1~/50	230/1~/50	230/1~/50
Sound pressure level	(7)	dB(A)	33	33	34	34	35
Directive Erp (Energy related Products)							
SEER	(8)	-	3,75	4,06	3,9	4,1	4,18
η _{sc}	(8)	-	142	154,4	148	156	159,2
SCOP	(8)	-	3,41	3,9	3,63	3,77	4,05
η _{sh}	(8)	-	128,4	148	137,2	142,8	150,8

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

Values read in compliance with EN14511:2022 and including the required system fan motor and water pump capacity for overcoming pressure drops inside the unit.

(1) Ambient air 27°C D.B./19°C W.B. Exchanger water temperature 30°C / 35°C

(2) Ambient air 20°C D.B. Exchanger inlet water temperature 20°C. The water temperature at the exchanger output is read in relation to the flow of water being chilled.

(3) Ambient air 20°C D.B. Exchanger inlet water temperature 15°C. The water temperature at the exchanger output is read in relation to the flow of water being chilled.

(4) ROT = rotary compressor

(5) CFG = Centrifugal fan

(6) Water flow calculated in relation to the performances in cooling

(7) Sound levels refer to the unit at full load installed on the ceiling, ducted, with minimum, standard and maximum air flow rate of the fan. Available static pressure 40 Pa. In accordance with the UNI-EN ISO 3744 regulation, the average sound pressure level refers to a distance of 1 m from the outer surface of a ducted unit installed on the ceiling. Measurements are made in accordance to the UNI EN ISO 9614-2, with units installed over two sound reflective surfaces

(8) Data calculated according to the EN 14825:2022

accessories

CWMX	Electronic room control with display, for wall installation
CIWMX	Electronic room control with display, for wall installation
V2MODX	2-way modulating valve for disposable water system
V2ONX	2-way ON-OFF valve for variable flow-rate loop
TPF	Filter-holder frame with lateral and bottom exhaust
AMMX	Rubber antivibration mounts
DAOJX	Air supply duct with flexible connection
DAIX	Return air duct
DAOIX	Air discharge and intake duct
FCVBX	Water balancing valve
VIFWX	Steel mesh strainer and hand shut-off valve
PFHCX	200 mm flexible pipes for the connection to the water circuit + drop conduit

PFHC1X	500 mm flexible pipes for the connection to the water circuit + drop conduit
CDPX	Condensate drain pump
MOBA	RS485 serial port with Modbus protocol, built-in
MOBX	Modbus RS485 serial port kit
CMSLWX	LonWorks serial communication module
BACX	BACnet serial communication module
VIMANX	Hand shut-off valve
BPH2OX	Shut-off valve for by-pass (water side)

Accessories whose code ends with "X" are supplied separately