VERSATEMP DUCT

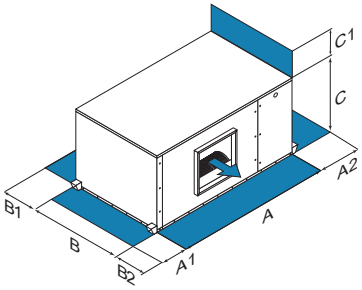
Packaged WLHP air conditioner
Water-cooled reversible heat pump.
Indoor horizontal installation, ductable.
Capacities from 2.2 to 26.8 kW



Heat pump · Water-cooled · Horizontal recessed · R-454C refrigerant · Hermetic rotary (size 7-31) · Hermetic Scroll size 41-101 · ErP compliant · Electronic expansion valve · CONTROL4 NRG Management · CLIVET EYE Monitoring · Modbus

- ✓Reversible heat pump with R454C refrigerant
- ✓F-Gas ready solution
- ✓High air quality with high-efficiency filtration and low fan power consumption
- ✓Air supply available in-line or at a 90° angle
- ✓Specific hydraulic groups are available for the various system configurations
- ✓Unit management through advanced controller and dedicated APP
- ✓Remote and centralized system supervision via CONTROL4
- ✓Perfect solution for plant retrofitting

Dimensions and connections



Size	EVH-M	7	11	17	25	31	41	61	81	101
A - Length	mm	875	875	875	875	1195	1195	1195	1380	1380
B - Depth	mm	669	669	669	669	779	779	779	904	904
C - Height	mm	390	390	490	490	590	590	590	705	705
A1	mm	100	100	100	100	100	100	100	100	100
A2	mm	350	350	350	350	350	350	350	350	350
B1	mm	350	350	350	350	350	350	350	350	350
B2	mm	350	350	350	350	350	350	350	350	350
C1	mm	10	10	10	10	10	10	10	10	10

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 blue areas.

Technical data

Size		EVH-M	7	11	17	25	31	41	61	81	101
Cooling capacity	(1)	kW	2,22	3,12	4,43	6,39	8,62	12,0	16,0	22,7	26,8
Sensible capacity	(1)	kW	1,53	2,17	3,08	4,32	5,89	8,14	10,9	15,5	18,0
EER	(1)	-	3,08	3,12	3,28	3,93	3,45	3,96	3,78	3,77	3,78
Cooling capacity (EN 14511:2022)	(3)		2,20	3,08	4,38	6,25	8,33	11,7	15,6	22,2	25,4
EER (EN 14511:2022)	(3)		2,95	2,87	3,03	3,5	3,45	3,52	3,35	3,33	2,87
Heating capacity	(2)	kW	2,93	4,26	6,19	8,56	12,2	19,2	26,4	37,7	44,1
COP	(2)	-	4,73	4,74	4,55	5,71	4,63	5,50	4,81	4,94	5,25
Heating capacity (EN 14511:2022)	(3)		2,97	4,33	6,28	8,71	12,5	19,5	26,8	38,3	45,9
COP (EN 14511:2022)	(3)		4,56	4,45	4,32	5,71	4,26	5,15	4,52	4,64	4,53
N° compressors		Nr	1	1	1	1	1	1	1	1	1
Type of compressors	(4)	-	ROT	ROT	ROT	ROT	ROT	SCROLL	SCROLL	SCROLL	SCROLL
Nominal air flow-rate		m^3/h	420	580	850	1200	1700	2600	3200	4500	5500
Max. static pressure	(5)	Pa	400	400	400	400	400	800	650	480	750
Minimum air flow-rate		m^3/h	300	300	700	800	800	1400	2000	2200	5000
Maximum air flow-rate		m^3/h	800	800	1100	2600	2200	4300	4300	5500	7000
No. of supply fans		Nr	1	1	1	1	1	1	1	1	1
Supply fan type	(6)	-	CGF EC	CGF EC	CGF EC	CGF EC	CGF EC	CGF EC	CGF EC	CGF EC	CGF EC
Water flow (Source side)	(7)	l/s	0,14	0,20	0,28	0,39	0,54	0,72	0,97	1,38	1,63
Standard power supply		V	230/1~/50	230/1~/50	230/1~/50	230/1~/50	230/1~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50
Directive Erp (Energy related Products)											
SEER	(9)	-	2,95	2,76	3,08	3,78	2,95	3,68	3,52	3,45	2,97
nS,C	(9)	-	109,9	102,4	115,3	143,3	109,7	139,2	133,1	130,1	110,6
SCOP	(9)	-	3,99	3,89	3,77	4,60	3,74	4,50	3,96	4,06	3,97
nS,H	(9)	-	151,4	147,6	142,9	176,1	141,2	172,2	150,3	154,2	150,6

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.

D.B. = Dry Bulb; W.B. = Wet Bulb
(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 exchanger outlet water temperature is calculated as a function of the cooling water flow rate.

(3) Values obtained in accordance with EN14511:2022, including the power of the fan motor and system water pumps required to overcome the internal pressure drops of the unit.
(4) ROT = Rotary compressor; SCROLL = Scroll compressor
(5) Data referred to nominal flow rate.
(6) CFG = Centrifugal fan; EC = electronic commutation
(7) Water flow rate calculated as a function of cooling performance
(8) Sound levels refer to full-load units under nominal test conditions.
Data calculated according to the EN 14825:2022

Accessories

PCOSM	Constant supply airflow
CRC	Remote control with user interface
MOB	RS485 serial port with Modbus protocol
CTEM	Ambient temperature control with probes on board the unit
PM	Phase monitor
F7	F7 high efficiency filter (ISO 16890 ePM1 55%)
F6CX	F6 pre-filtration (ISO 16890 ePM10 70%)
NCRC	Remote control with user interface: not required
BPH2OX	Bypass shut-off valve (water side)
CDPX	Condensation drain pump
FCVBX	Manual balancing valve
AMMX	Spring antivibration mounts
VIMANX	Manually operated shut-off valve
V2MODX	2-way modulating valve for open-loop water system
V2ONX	Two-way ON-OFF valve for variable flow
VIFWX	Steel mesh filter and manually operated shut-off valve
RPRC	Compressor vane refrigerant leak detector

Accessories whose code ends with "X" are supplied separately

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Data contained in this document are not binding and may be changed by the Manufacturer without notice