

VERSATEMP

Direct expansion high efficiency air conditioner
Water-cooled reversible heat pump. Indoor installation, vertical in full view or uncased
Capacity from 2,1 to 4,1 kW



- Heat pump
- Water cooled
- Vertical cased
- Vertical uncased
- R-410A
- Hermetic rotary
- Electronic expansion valve
- ErP compliant

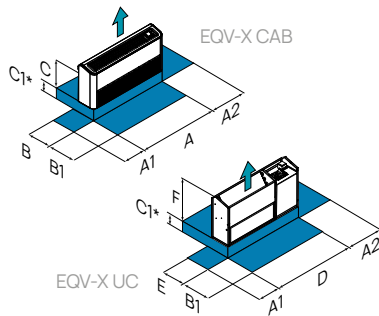
- ✓ Reversible heat pump
- ✓ High efficiency in all the operating conditions
- ✓ Vertical indoor installation either cased or uncased
- ✓ Elegant design and low noise operation
- ✓ Specific hydraulic circuit components for different plant solutions
- ✓ Compliant with main communication protocols
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Versions and configurations

CONFIGURATION:		RETURN:	
UC	Uncased version (without casing) (Standard)	R3	Floor air inlet (Standard)
CAB	Configuration with fairing for cased applications	RF	Front air inlet

WLHP

Dimensions and connections



Size	EQV-X	5	7	9	15	17	21
A - Length	mm	1050	1200	1200	1350	1350	1350
B - Width	mm	240	240	240	240	240	240
C - Height	mm	520	520	520	520	520	520
D - Length	mm	945	1095	1095	1245	1245	1245
E - Width	mm	225	225	225	225	225	225
F - Height	mm	490	490	490	490	490	490
A1	mm	200	200	200	200	200	200
A2	mm	100	100	100	100	100	100
B1	mm	500	500	500	500	500	500
C1	mm	100	100	100	100	100	100
Operating weight	kg	55	61	61	64	64	68

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.

(*) Only for units with floor air inlet

Technical data

Size	EQV-X	5	7	9	15	17	21
Cooling capacity	(1) kW	2,08	2,39	2,88	3,38	3,75	4,11
Sensible capacity	(1) kW	1,47	1,69	2,12	2,55	2,64	3,05
Compressor power input	(1) kW	0,43	0,56	0,61	0,71	0,77	0,84
Total power input	(1) kW	0,49	0,62	0,67	0,81	0,87	0,96
EER	(1) -	4,19	3,78	4,2	4,09	4,22	4,2
Heating capacity	(2) kW	2,54	3,05	3,55	4,29	4,78	5,1
Compressor power input	(2) kW	0,47	0,63	0,7	0,77	0,92	1,04
Total power input	(2) kW	0,53	0,69	0,76	0,87	1,02	1,16
COP	(2) -	4,91	4,49	4,71	5,05	4,72	4,49
No. of compressors	(3) Nr	1	1	1	1	1	1
Type of compressors	-	ROT	ROT	ROT	ROT	ROT	ROT
Supply air flow rate	(4) m³/h	380	460	455	750	750	830
Type of supply fan	(5) -	CFG	CFG	CFG	CFG	CFG	CFG
Water flow (Source side)	- l/s	0,12	0,14	0,17	0,19	0,21	0,24
Standard power supply	(6) V	230/1~/50	230/1~/50	230/1~/50	230/1~/50	230/1~/50	230/1~/50
Sound pressure level	dB(A)	41	41	41	45	45	47
Directive Erp (Energy related Products)							
SEER	(7) -	3,99	4,13	4,08	4,02	3,95	4,22
$\eta_{s,c}$	(7) -	151,6	157,2	155,2	152,8	150	160,8
SCOP	(7) -	4,15	3,8	3,85	3,8	4,02	3,84
$\eta_{s,h}$	(7) -	158	144	146	144	152,8	145,6

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.

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. DB = dry bulb; WB = wet bulb

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

(2) Ambient air at 20°C D.B./15°C W.B. Water temperature at plate exchanger 20°C input; The water temperature at the exchanger output is read in relation to the flow of water being chilled.

(3) ROT = rotary compressor

(4) CFG = Centrifugal fan

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

(6) The sound levels are referred to unit operating at a full load in nominal conditions. The sound pressure level is referred at a distance of 1m. from the external unit surface, with fairing, fitted to a wall. Please note that when the unit is installed in conditions other than nominal test conditions /for example near walls or obstacles in general) the sound levels may undergo substantial variation. Measurements are made in accordance to the UNI EN ISO 9614-2, with units installed over two sound reflective surfaces.

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

Accessories

CONT	Electronic room control with display, installed in a visible position on the unit with fairing	PFHC1X	500 mm flexible pipes for the connection to the water circuit + drop conduit
CONTX	Electronic room control with display, for installation on the uncased unit	IFWX	Steel mesh filter on the water side
CWMX	It11Electronic room control with display, for wall installation	CDPX	Condensate drain pump
CIWMX	Electronic room control with display, for wall installation in a flush-mounted box	CDPA	Condensate drain pump, built-in
MIPC	Hydraulic pipework arrangement for loop with constant flow rate with manual valves	FXVFX	Painted plinths for floor fixing
MIPV	Hydraulic pipework arrangement for loop with variable flow rate with 2 way ON-OFF valve	FXVFHX	Floor mounted painted feet kit with front grille
REQV	Constant flow retrofit water connections for EQV,VV,VM units	FXPFX	Zinc-coated plinths for floor fixing on uncased unit
V2MODX	2-way modulating valve for disposable water system	FXPMX	Increased zinc-coated plinths for floor fixing on uncased unit
KFVMX	Two ways modulating valve fixing kit for disposable water system	BACKV	Rear painted panel for cased units
DAOJX	Air supply duct with flexible connection	MOBA	RS485 serial port with Modbus protocol, built-in
GOJX	Air supply grille with flexible connection	MOBX	Modbus RS485 serial port kit
FCVBX	Water balancing valve	BACX	BACnet serial communication module
PFHCX	200 mm flexible pipes for the connection to the water circuit + drop conduit	CSVX	Couple of manually operated shut-off valves

Accessories whose code ends with "X" are supplied separately