

По вопросам продаж и поддержки обращайтесь:

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Калуга (4842)92-23-67	Пенза (8412)22-31-16	Челябинск (351)202-03-61
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Киров (8332)68-02-04	Ростов-на-Дону (863)308-18-15	Ярославль (4852)69-52-93

Единый адрес: ctv@nt-rt.ru **Веб-сайт:** www.clivet.nt-rt.ru

Система WLHP EQV-X 3-21 Clivet

Direct expansion high efficiency packaged air conditioner

Reversible heat pump
Water cooled
Vertical indoor installation either cased or uncased
Capacity from 1,4 to 4,1 kW

VERSATEMP



VERSATEMP EQV-X is the high efficiency water source **packaged air conditioner** that automatically either heats or cools the ambient throughout the year, using the **water as source**.

Thanks to the rotary compressor, to the electronic expansion valve, to the plate heat exchanger and to the multispeed centrifugal fan, **VERSATEMP EQV-X** stands out for its **high efficiency in all the operating conditions** and for its **reliability**. The installation is also simplified by the **specific hydraulic pipe works**, supplied already installed and tested, which are available for different solutions.

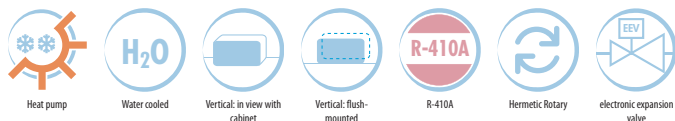
The **VERSATEMP EQV-X design** can be elegantly added to different settings both in its cased and in its uncased version, the latter being available to be integrated in the furnishing. The **low noise** operation is ensured by the insulation of the compressor compartment, by the accurate balancing of the fans and by the antivibration devices provided for all moving parts.



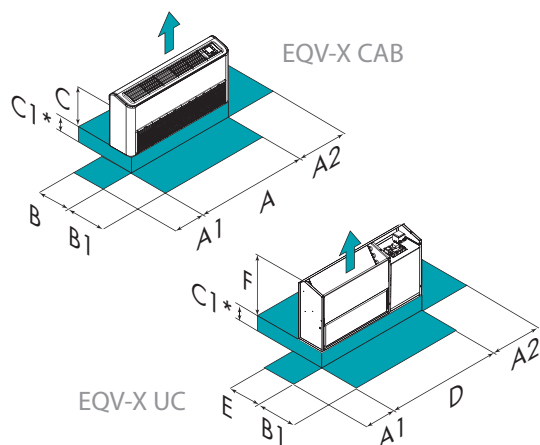
User interface THTUNE (optional) available:
- on board
- wall mounted
- 4-wall mounted on a flush mounting box.

Some of the main features are:
- unit on/off
- temperature measurement with inbuilt probe
- main unit information display
- manual setting of the operating mode (heat/cool) and/or of the setpoint
- hourly and weekly programming of on/off and of the standard/economic set point
- manually, or automatically, managing the fan speed, depending on the distance from the set-point.

functions and features



dimensions and clearances



Size - EQV-X		3	5	7	9	15	17	21
A - Length	mm	1050	1050	1200	1200	1350	1350	1350
B - Width	mm	240	240	240	240	240	240	240
C - Height	mm	520	520	520	520	520	520	520
D - Length	mm	945	945	1095	1095	1245	1245	1245
E - Width	mm	225	225	225	225	225	225	225
F - Height	mm	490	490	490	490	490	490	490
A1	mm	200	200	200	200	200	200	200
A2	mm	100	100	100	100	100	100	100
B1	mm	500	500	500	500	500	500	500
C1	mm	100	100	100	100	100	100	100
Operating weight	kg	53	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 Data Sheet.
(*): For units with air intake from below only

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

versions and configurations

- **CAB** Cased version
- **UC** Uncased version

accessories

- ▸ **GOJX** Lower duct spigot with flexible connection and discharge grille surround
- ▸ **DAOJX** Lower duct spigot with flexible connection
- ▸ **V2MODX** Two ways modulating valve for disposable water system
 - **REQV** Constant flow retrofit hydraulic connections for EQV, VV, VM units
 - **MIPC** Plumbing assembly for loop with constant flow rate with manual valves
 - **MIPV** Plumbing assembly for loop with variable flow rate with 2 way ON-OFF valve
- ▸ **FCVBX** Water balancing valve
- ▸ **CSVX** Couple of manual shut-off valves
- ▸ **IFWX** Water steel mesh strainer
- ▸ **PFHCX** Water circuit connection hoses 200 mm + condensate drain pipe
- ▸ **PFHC1X** Water circuit connection hoses 500 mm + condensate drain pipe
 - **CDPA** Discharge condensate pump, inbuilt
 - ▸ **CDPX** Discharge condensate pump
- ▸ **FXVFX** Floor mounted painted feet kit, for cased version
- ▸ **FXPMX** Increased floor mounted feet, for uncased version
- ▸ **FXVFHX** Floor mounted painted feet kit with front grille
- ▸ **FXPFX** Floor mounted galvanized feet kit, for uncased version
- ▸ **KFVMX** Two ways modulating valve fixing kit for disposable water system
- ▸ **MOBX** MODBUS RS485 serial port kit
 - **MOBA** MODBUS RS485 serial port, inbuilt
 - ▸ **CMSLWX** LonWorks serial communication module
 - ▸ **BACX** BACnet serial communication module
 - **BACKV** Painted back panel for cased version
 - **CONT** Electronic room control with display for cased version, inbuilt
 - ▸ **CWMX** Electronic room control with display, for wall installation
 - ▸ **CIWMX** Electronic room control with display, for wall installation in built-in box
 - ▸ **CONTX** Electronic room control with display, for installation on a mount bracket

Key to symbols:

- Accessories supplied separately.

technical data

Size – EQV-X			3	5	7	9	15	17	21
▶ Cooling capacity	(1)(2)	kW	1,37	2,08	2,39	2,88	3,38	3,75	4,11
Sensible capacity	(1)(2)	kW	0,99	1,47	1,69	2,12	2,55	2,64	3,05
Compressor power input	(1)(2)	kW	0,34	0,43	0,56	0,61	0,71	0,77	0,84
Total power input	(1)(2)	kW	0,37	0,49	0,62	0,67	0,81	0,87	0,96
EER	(1)(2)	-	3,58	4,19	3,78	4,2	4,09	4,22	4,2
▶ Heating capacity	(1)(3)	kW	1,9	2,54	3,05	3,55	4,29	4,78	5,1
Compressor power input	(1)(3)	kW	0,37	0,47	0,63	0,7	0,77	0,92	1,04
Total power input	(1)(3)	kW	0,4	0,53	0,69	0,76	0,87	1,02	1,16
COP	(1)(3)	-	4,78	4,91	4,49	4,71	5,05	4,72	4,49
No. of Compressors	(1)	Nr	1	1	1	1	1	1	1
Type of compressors	(1)(4)	-	ROT	ROT	ROT	ROT	ROT	ROT	ROT
Outlet air flow-rate	(1)	l/s	101	106	128	126	208	208	231
Type of supply fan	(1)(5)	-	CFG	CFG	CFG	CFG	CFG	CFG	CFG
Water flow rate (Source Side)	(1)(6)	l/s	0,08	0,12	0,14	0,17	0,19	0,21	0,24
Standard power supply	(1)	V	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Sound pressure level	(7)	dB(A)	39	41	41	41	45	45	47

Note

- (1) Values read in compliance with EN14511:2011 and including the required system fan motor and water pump capacity for overcoming pressure drops inside the unit. DB = dry bulb WB = wet bulb
- (2) Ambient air 27°C D.B./19°C W.B. Exchanger temperature water 30°C / 35°C
- (3) 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.
- (4) ROT = rotary compressor
- (5) CFG = centrifugal fan
- (6) Water flow calculated in relation to the performances in cooling
- (7) The sound levels are referred to units working 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.

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