






VERSATEMP

High-efficiency direct expansion autonomous air conditioner.
 Water-cooled reversible heat pump. Indoor installation, horizontal uncased
Capacity from 2,3 to 4,2 kW

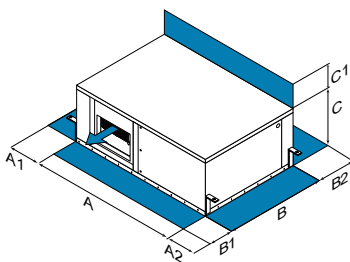


- 
Heat pump
- 
Water cooled
- 
Horizontal:
uncased
- 
R-410A
- 
Hermetic
rotary
- 
Electronic
expansion
valve
- 
ErP
compliant

- ✓ 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
- ✓ Compliant with main communication protocols

WLHP

Dimensions and connections



| 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 blue areas.

Technical data

| Size | EVH-X | 5 | 7 | 9 | 11 | 15 | 17 |
|------------------------------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| A27/19 W30 | | | | | | | |
| Cooling capacity | (1) kW | 2,26 | 2,83 | 3,16 | 3,45 | 3,87 | 4,16 |
| Sensible cooling capacity | kW | 1,91 | 2,41 | 2,75 | 2,93 | 3,22 | 3,5 |
| Total power input | kW | 0,54 | 0,66 | 0,74 | 0,77 | 0,85 | 0,92 |
| EER (EN 14511:2022) | - | 4,22 | 4,27 | 4,28 | 4,5 | 4,54 | 4,51 |
| A20 W20 | | | | | | | |
| Heating capacity | (2) kW | 2,76 | 3,38 | 3,85 | 4,15 | 4,5 | 4,92 |
| Total power input | kW | 0,55 | 0,65 | 0,77 | 0,82 | 0,94 | 1,06 |
| COP (EN 14511:2022) | - | 4,99 | 5,2 | 4,97 | 5,05 | 4,81 | 4,66 |
| A20 W15 | | | | | | | |
| Heating capacity | (3) kW | 2,46 | 2,97 | 3,33 | 3,66 | 3,98 | 4,42 |
| Total power input | kW | 0,55 | 0,63 | 0,72 | 0,8 | 0,89 | 1,02 |
| COP (EN 14511:2022) | - | 4,42 | 4,6 | 4,47 | 4,59 | 4,4 | 4,3 |
| No. of compressors | Nr | 1 | 1 | 1 | 1 | 1 | 1 |
| Type of compressors | (4) - | ROT | ROT | ROT | ROT | ROT | ROT |
| Supply air flow rate | m ³ /h | 533 | 533 | 612 | 684 | 800 | 800 |
| Type of supply fan | (5) - | CFG | CFG | CFG | CFG | CFG | CFG |
| Number of supply fans | Nr | 1 | 1 | 1 | 1 | 1 | 1 |
| Max. static pressure supply fan | Pa | 40 | 40 | 40 | 40 | 40 | 40 |
| Water flow (Source side) | l/s | 0,13 | 0,16 | 0,18 | 0,2 | 0,22 | 0,24 |
| Standard power supply | V | 230/1~/50 | 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 | 34 | 35 |
| Directive Erp (Energy related Products) | | | | | | | |
| SEER | (8) - | 3,75 | 4,06 | 3,9 | 4,1 | 4,05 | 4,18 |
| n _{s,c} | (8) - | 142 | 154,4 | 148 | 156 | 154 | 159,2 |
| SCOP | (8) - | 3,41 | 3,9 | 3,63 | 3,77 | 3,97 | 4,05 |
| n _{s,h} | (8) - | 128,4 | 148 | 137,2 | 142,8 | 150,8 | 154 |

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 | It1Electronic room control with display, for wall installation | PFHCX | 200 mm flexible pipes for the connection to the water circuit + drop conduit |
| CIWMX | Electronic room control with display, for wall installation in a flush-mounted box | PFHC1X | 500 mm flexible pipes for the connection to the water circuit + drop conduit |
| V2MODX | 2-way modulating valve for disposable water system | CDPX | Condensate drain pump |
| V2ONX | 2-way ON-OFF valve for variable flow-rate loop | MOBA | RS485 serial port with Modbus protocol, built-in |
| TPF | Filter-holder frame with lateral and bottom exhaust | MOBX | Modbus RS485 serial port kit |
| AMMX | Spring antivibration mounts | BACX | BACnet serial communication module |
| DAOJX | Air supply duct with flexible connection | VIMANX | Hand shut-off valve |
| DAIX | Return air duct | BPH2OX | Shut-off valve for by-pass (water side) |
| DAOIX | Air discharge and intake duct | | |
| FCVBX | Water balancing valve | | |
| VIFWX | Steel mesh strainer and hand shut-off valve | | |

Accessories whose code ends with "X" are supplied separately