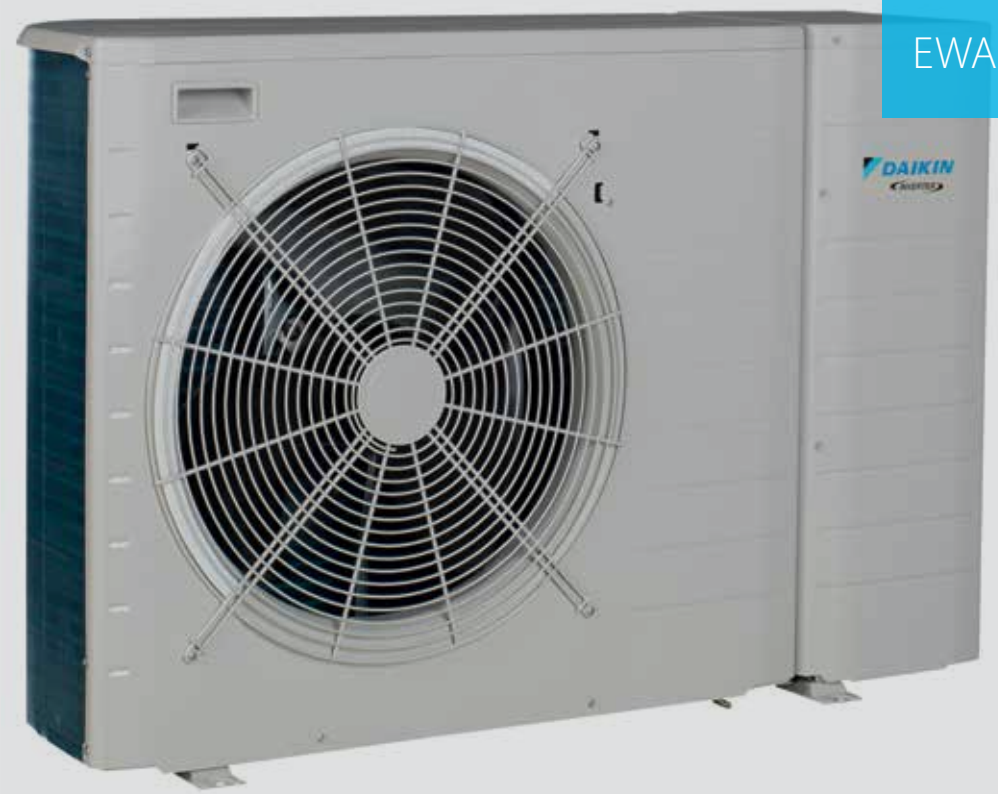
# Air cooled mini inverter chiller

## EWAQ-BVP




Inverter

Swing compressor

› Top product in terms of energy efficiency and operation range
› All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
› Amongst the most quiet units in the market (63dBA - sound power)
› Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
› Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.

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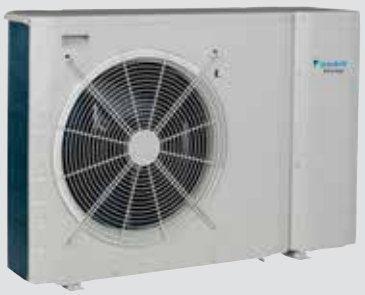

EWAQ004-005BVP

EWAQ006-008BVP

EKRUMCL1

| Cooling only | | | | EWAQ-BVP | 004 | 005 | 006 | 008 |
|---|---|---|---|---|---|---|---|---|
| Cooling capacity | Min. | | | kW | 2.0 (1) | | 3.0 (1) | |
| | Nom. | | | kW | 4.00 (1) / 4.01 (2) | 4.93 (1) / 5.07 (2) | 5.88 (1) / 6.07 (2) | 7.95 (1) / 8.23 (2) |
| Power input | Cooling | Nom. | | kW | 1.27 (1) / 0.840 (2) | 1.61 (1) / 1.12 (2) | 1.87 (1) / 1.13 (2) | 2.57 (1) / 1.65 (2) |
| Capacity control | Method | | | | Variable (inverter) | | | |
| EER | | | | | 3.14 (1) / 4.80 (2) | 3.06 (1) / 4.51 (2) | 3.15 (1) / 5.35 (2) | 3.10 (1) / 4.99 (2) |
| ESEER | | | | | 4.45 | 4.49 | 5.25 | 5.24 |
| Dimensions | Unit | Height | | mm | 735 | | 997 | |
| | | Width | | mm | 1,090 | | 1,160 | |
| | | Depth | | mm | 350 | | 380 | |
| | Packed unit | Height | | mm | 880 | | 1,138 | |
| | | Width | | mm | 1,166 | | 1,276 | |
| | | Depth | | mm | 432 | | 450 | |
| Weight | Unit | | | kg | 83 | | 106 | |
| Water heat exchanger | Type | | | | Brazed plate | | | |
| | Water flow rate | Cooling | Nom. | l/min | 11.5 (1) / 11.5 (2) | 14.1 (1) / 14.5 (2) | 16.9 (1) / 17.4 (2) | 22.8 (1) / 23.6 (2) |
| | Water volume | | | l | 1 | | 2 | |
| Air heat exchanger | Type | | | | Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins | | Cross fin coil/Hi-X tubes and PE coated waffle louvre fins | |
| Pump Standard | Nominal ESP unit | Cooling | | kPa | 73.8 (1) / 73.8 (2) | 71.1 (1) / 70.6 (2) | 70.9 (1) / 70.2 (2) | 61.5 (1) / 59.9 (2) |
| Hydraulic components | Expansion vessel | Volume | | l | 3 | | 7 | |
| Compressor | Type | | | | Hermetically sealed swing compressor | | | |
| | Quantity | | | | 1 | | | |
| Fan | Type | | | | Propeller fan | | | |
| | Quantity | | | | 1 | | | |
| | Air flow rate | Cooling | Nom. | $m^3$/min | 53 | | 72 (1) | |
| Sound power level | Cooling | Nom. | | dBA | 63 (1) | 64 (1) | 69 (1) | |
| Sound pressure level | Cooling | Nom. | | dBA | 48 | 49 | 52 | 53 |
| | Night quiet mode | Cooling | | dBA | 44 | | 43 | |
| Operation range | Air side | Cooling | Min.~Max. | °CDB | 10~43 | | 10~46 | |
| | Water side | Cooling | Min.~Max. | °CDB | 5~22 | | | |
| Refrigerant | Type | | | | R-410A | | | |
| | Circuits | Quantity | | | 1 | | | |
| | Control | | | | Electronic expansion valve | | | |
| | GWP | | | | 2,088 | | 2,087.5 | |
| Refrigerant charge | Per circuit | | | kg | 2.10 | | 2.70 | |
| | | | | $TCO_2eq$ | 4.4 | | 5.6 | |
| Water circuit | Piping | | | inch | 1" MBSP | | | |
| Unit | Starting current | Max | | A | 15.7 | | 19.9 | |
| | Running current | Max | | A | 15.7 | | 19.9 | |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | 1N~/50/230 | | | |

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C
(2) Cooling: entering evaporator water temp. 23°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; standard: non-Eurovent

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ECPEN17-421_1 A 10/17