



Air cooled mini inverter heat pump

EWYQ-ACV3/ACW1



R-410A



Inverter



Scroll compressor

- › Wide operating range
- › Built-in hydronic module: no buffer tank required and a standard pump and main switch are included
- › Easy 'plug and play' installation
- › Single phase power supply for residential applications, three phase power supply model available for light commercial applications
- › Inverter technology to ensure low sound values and leader-of-class ESEER

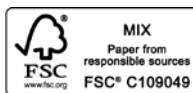
EWYQ-ACV3/ACW1



| Heating & Cooling | | EWYQ-ACV3/ACW1 | | | 009 | 010 | 011 | 009 | 011 | 013 | | |
|----------------------|-----------------------------|----------------|-----------|---------------------|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| Cooling capacity | Nom. | kW | | | 12.2 (1) / 8.6 (2) | 13.6 (1) / 9.6 (2) | 15.7 (1) / 11.1 (2) | 12.9 (1) / 9.1 (2) | 15.7 (1) / 11.1 (2) | 17.0 (1) / 13.3 (2) | | |
| Heating capacity | Nom. | kW | | | 10.2 (1) / 9.9 (2) | 11.7 (1) / 11.4 (2) | 13.8 (1) / 12.9 (2) | 11.2 (1) / 10.9 (2) | 13.2 (1) / 12.4 (2) | 14.8 (1) / 13.9 (2) | | |
| Power input | Cooling | Nom. | kW | | | 2.85 (1) / 2.83 (2) | 3.41 (1) / 3.28 (2) | 4.13 (1) / 3.90 (2) | 3.08 (1) / 3.05 (2) | 4.13 (1) / 3.90 (2) | 5.52 (1) / 5.18 (2) | |
| | Heating | Nom. | kW | | | 2.43 (1) / 2.99 (2) | 2.81 (1) / 3.46 (2) | 3.20 (1) / 3.94 (2) | 2.69 (1) / 3.31 (2) | 3.07 (1) / 3.78 (2) | 3.47 (1) / 4.27 (2) | |
| Capacity control | Method | | | | Inverter controlled | | | | | | | |
| EER | | | | | 4.27 (1) / 3.05 (2) | 4.00 (1) / 2.93 (2) | 3.79 (1) / 2.85 (2) | 4.19 (1) / 2.99 (2) | 3.79 (1) / 2.85 (2) | 3.08 (1) / 2.57 (2) | | |
| ESEER | | | | | 4.31 | 4.30 | 4.33 | 4.43 | 4.44 | 4.36 | | |
| COP | | | | | 4.19 (1) / 3.30 (2) | 4.17 (1) / 3.29 (2) | 4.30 (1) / 3.27 (2) | 4.17 (1) / 3.28 (2) | 4.31 (1) / 3.27 (2) | 4.28 (1) / 3.25 (2) | | |
| Dimensions | Unit | Height | mm | | 1,435 | | | | | | | |
| | | Width | mm | | 1,418 | | | | | | | |
| | | Depth | mm | | 382 | | | | | | | |
| Weight | Unit | kg | | | 180 | | | | | | | |
| | | Type | | | Brazed plate | | | | | | | |
| Water heat exchanger | Water flow rate | Cooling | Nom. | l/min | 24.7 | 27.6 | 31.9 | 26.1 | 31.9 | 38.2 | | |
| | | | Nom. | l/min | 28.3 | 32.6 | 36.9 | 31.2 | 35.5 | 39.8 | | |
| | | Water volume | l | | 1.01 | | | | | | | |
| Air heat exchanger | Type | | | | Hi-XSS | | | | | | | |
| Pump Standard | Nominal ESP unit | Cooling | kPa | | 58.0 | 54.6 | 49.1 | 56.4 | 49.1 | 40.9 | | |
| | | Heating | kPa | | 52.8 | 47.1 | 40.9 | 49.1 | 43.0 | 36.6 | | |
| Hydraulic components | Expansion vessel Volume | | | | l | | | | | | | |
| Compressor | Type | | | | Hermetically sealed scroll compressor | | | | | | | |
| | Quantity | | | | 1 | | | | | | | |
| Fan | Type | | | | Propeller fan | | | | | | | |
| | Quantity | | | | 2 | | | | | | | |
| | Air flow rate | Cooling | Nom. | m ³ /min | 96 | 100 | 97 | - | - | - | | |
| Heating | | | Nom. | m ³ /min | - | 90 | - | - | - | | | |
| Fan motor | Speed | Cooling | Nom. | rpm | 780 | | | | | | | |
| | | Heating | Nom. | rpm | 760 | | | | | | | |
| | Steps | | | | 8 | | | | | | | |
| | Sound power level | Cooling | Nom. | | dB(A) | 64 | | | | 66 | | |
| Heating | | Nom. | | dB(A) | 64 | | | | - | | | |
| Sound pressure level | Cooling | Nom. | | dB(A) | 51 | | | | 52 | | | |
| | Heating | Nom. | | dB(A) | 51 | | | | - | | | |
| | Night quiet mode | Cooling | dB(A) | | 45 | | | | 46 | | | |
| | | Heating | dB(A) | | 42 | | | | 43 | | | |
| Operation range | Air side | Cooling | Min.~Max. | °CDB | 10~46 | | | | - | | | |
| | | Heating | Min.~Max. | °CDB | -15~35 | | | | - | | | |
| | Water side | Cooling | Min.~Max. | °CDB | 5~22 | | | | - | | | |
| | | Heating | Min.~Max. | °CDB | 25~50 | | | | - | | | |
| Refrigerant | Type/ GWP | | | | R-410A/ 2,087.5 | | | | | | | |
| | Circuits | Quantity | | | 1 | | | | | | | |
| | Control | | | | Electronic expansion valve | | | | | | | |
| Refrigerant charge | Per circuit | | | | kg | | | | | | | |
| | | | | | TCO ₂ eq | | | | | | | |
| Water circuit | Piping | | | | inch | | | | | | | |
| | Piping connections diameter | | | | inch | | | | | | | |
| Power supply | Phase/Frequency/Voltage | | | | Hz/V | | | | 1~/50/230 | | 3N~/50/400 | |

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C) (2) Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C) | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

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