



Water cooled
screw chiller,
standard
efficiency,
standard sound

EWWD-G-SS

R-134a



Screw compressor

- › Stepless single-screw compressor
- › 1-2 truly independent refrigerant circuits
- › Standard electronic expansion valve

- › DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- › Partial and total heat recovery option available

EWWD-G-SS



| Heating only & Cooling only | | | | EWWD-G-SS | | | | | | | | | | | | | | | |
|-----------------------------------|------------------------------------|------------------|-------------------------|----------------------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|-----|-----|---------|-----|-----|-----|
| | | | | 170 | 210 | 260 | 300 | 320 | 380 | 420 | 460 | 500 | 600 | | | | | | |
| Cooling capacity | Nom. | kW | | 165 (1) | 200 (1) | 252 (1) | 279 (1) | 332 (1) | 370 (1) | 401 (1) | 446 (1) | 492 (1) | 554 (1) | | | | | | |
| Heating capacity | Nom. | kW | | 209 | 253 | 319 | 357 | 420 | 467 | 506 | 566 | 626 | 710 | | | | | | |
| Power input | Cooling | Nom. | kW | 43.8 (1) | 52.6 (1) | 67.4 (1) | 78.5 (1) | 87.5 (1) | 96.4 (1) | 105 (1) | 119 (1) | 134 (1) | 157 (1) | | | | | | |
| | Heating | Nom. | kW | 43.8 | 52.6 | 67.4 | 78.5 | 87.5 | 96.4 | 105 | 119 | 134 | 157 | | | | | | |
| Capacity control | Method | | | Stepless | | | | | | Stepless | | | | | | | | | |
| | Minimum capacity | | | 25.0 | | | | | | 12.5 | | | | | | | | | |
| EER | | | | 3.77 (1) | 3.80 (1) | 3.74 (1) | 3.55 (1) | 3.80 (1) | 3.84 (1) | 3.80 (1) | 3.74 (1) | 3.68 (1) | 3.53 (1) | | | | | | |
| ESEER | | | | 4.50 | 4.54 | 4.46 | 4.25 | 4.75 | 4.80 | 4.76 | 4.67 | 4.59 | 4.44 | | | | | | |
| COP | | | | 4.77 | 4.80 | 4.74 | 4.55 | 4.80 | 4.84 | 4.80 | 4.74 | 4.68 | 4.53 | | | | | | |
| IPLV | | | | 5.36 | 5.35 | 5.30 | 5.04 | 5.52 | 5.55 | 5.60 | 5.31 | 5.16 | | | | | | | |
| Dimensions | Unit | Height | mm | 1,860 | | | | | | 1,880 | | | | | | | | | |
| | | Width | mm | 920 | | | | | | 860 | | | | | | | | | |
| | | Depth | mm | 3,435 | | | | | | 4,305 | | | | | | | | | |
| | | Operation weight | | | 1,470 | | | | | | 1,480 | | | | | | | | |
| Weight | Unit | kg | | 1,393 | 1,410 | 1,503 | 2,687 | 2,697 | 2,702 | 2,757 | 2,762 | | | | | | | | |
| | | kg | | 1,470 | 1,480 | 1,650 | 2,840 | 2,850 | 2,860 | 2,970 | | | | | | | | | |
| Water heat exchanger - evaporator | Type | | | Single pass shell and tube | | | | | | | | | | | | | | | |
| | Water volume | | | 60 | 56 | 123 | 118 | 113 | 173 | 168 | | | | | | | | | |
| | Water pressure drop | Cooling | Total | kPa | 45 | 61 | 41 | 49 | 58 | 57 | 66 | 50 | 59 | | | | | | |
| Compressor | | | Single screw compressor | | | | | | | | | | | | | | | | |
| Sound power level | Cooling | Nom. | dBA | 1 | | | | | | 2 | | | | | | | | | |
| | | | | Quantity | | | 88 | | | | | | 90 | | | | | | |
| Sound pressure level | Cooling | Nom. | dBA | 70 | | | | | | 72 | | | | | | | | | |
| | | | | Operation range | | | Evaporator | | | | | | | | | | | | |
| Refrigerant | Type/GWP | Circuits | | R-134a/1,430 | | | | | | | | | | | | | | | |
| | | Quantity | | 1 | | | | | | 2 | | | | | | | | | |
| | | Per circuit | | kg | | | | | | | | | | | | | | | |
| | | Per circuit | | TCO ₂ Eq | | | | | | | | | | | | | | | |
| Piping connections | Evaporator water inlet/outlet (OD) | | | 88.9 | | | | | | 114.3 | | | | | | 139.7mm | | | |
| | Condenser water inlet/outlet (OD) | | | 5" | | | | | | | | | | | | | | | |
| Unit | Starting current | Max | A | 288 | | | | | | 380 | | | 397 | | | 420 | | 438 | |
| | | | | Running current | Cooling | Nom. | A | 75 | 85 | 105 | 122 | 149 | 160 | 171 | 190 | 209 | 242 | | |
| | | | | | | | | Max | | A | | 114 | 136 | 165 | 186 | 229 | 250 | 272 | 301 |
| Power supply | Phase/Frequency/Voltage | | | Hz/V | | | | | | | | | | | | | | | |
| | | | | 3~/50/400 | | | | | | | | | | | | | | | |

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; entering condenser water temp. 30°C; leaving condenser water temp. 35°C; full load operation. 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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