

Electr Heat PRO

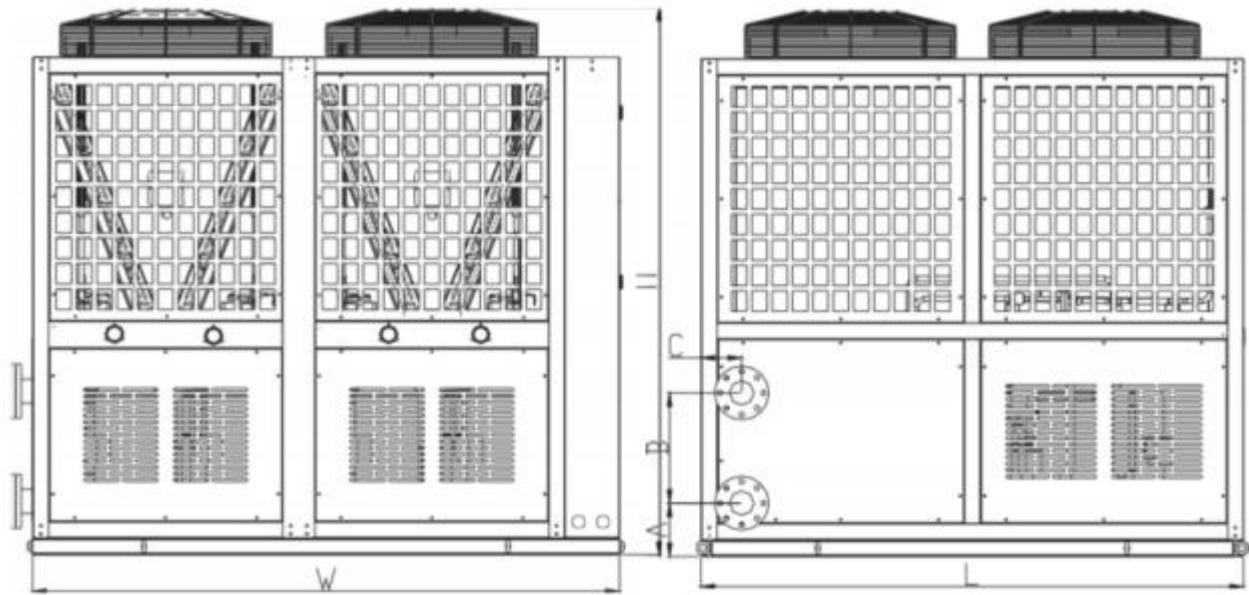
Pool Heat Pump 250 kW – 50Hz Specification Sheet

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|--|---------------------------------------|
| PRODUCT GRADE | Waterco Commercial |
| Model Number | PRO250 |
| Code | 27883803050 |
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| Nominal Heating Cooling Capacity* | |
| Power Output Heat (27/27/80) | 262 kW (895,100 BTU) |
| Power Output Heat (24/27/70) | 250 kW (852,500 BTU) |
| Power Output Heat (15/27/70) | 191 kW (652,900 BTU) |
| Power Output Heat (-5/27/63) | 110 kW (375,900 BTU) |
| Power Output Cool (35/27/70) | 122 kW (418,300 BTU) |
| Coefficient of Performance @ 27/27/80 (COP) | 5.2 |
| Compressor (HP) | (4 x) 12HP |
| Manufacturer | Copeland |
| Compressor model | VP144KSE-TFP-522 |
| | |
| Water Flow & Plumbing Characteristics | |
| Water Bypass Type | Ext. Field Install |
| Min./Max. Water Flow Rate (LPM) | 1700 - 1800 |
| Min./Max. Water Inlet Temperature (°C) | 14° - 40° |
| Plumbing Connection Size (Slip) | 100mm PVC pressure pipe (MOD 114.3mm) |
| | |
| Electrical Characteristics | |
| 50Hz Dual Rated Supply Voltage (VAC) | 380-415V |
| Supply Voltage Phase | 3Φ |
| Max HACR Breaker or Fuse (AMP) | 160 |
| Average unit input current (AMP) @ (27/27/80) | 90 |
| Maximum unit input current (AMP) | 132 |
| Normal power consumption (kW) @ (27/27/80) | 50.5 |
| Max. Fan Speed (RPM) | 900 |
| Fan Motor | Axial |
| Fan Full Load Amp (FLA) each | 1.4 |
| Air Flow (CFM) each | 9500 / 5613 |
| Fan Diameter (mm) | 630 |
| Min./Max. Air Inlet Temperature (°C) | >0° / 40° |
| | |
| Refrigerant Characteristics | |
| Refrigerant Type | R-410A |
| Initial Factory Refrigerant Charge (kg.) | (4 x) 5.5 |
| Evaporator | Hydrophilic aluminium |
| Heat Exchanger | Titanium in PVC |
| Expansion system | (4x) Expansion Valve |
| Characteristics | TGEL -9 Danfoss |
| Four Way valve | Saginomiya STF-0712G |
| | |
| Physical Characteristics | |
| Cabinet Construction | Powder coat steel |
| Colour | Black standard / White (optional) |
| Weight (kg.) | 1020 |
| Dimensions (mm) | 2160W x 2000L x 2140H |

ELECTROHEAT PRO250 FEATURES

- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporators for enhanced heat absorption
- Quad high performance 12HP Copeland hermetic scroll compressors
- Quad fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out 100mm (MOD 114.3mm) water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected
- Noise emission: 65dBA@ 3 metres
- Warranty Domestic – 1 year labour, 10 years - titanium heat exchanger, 3 years – compressor, 2 years - all other components
- Warranty Commercial – 1 year labour and parts





| Model | L | W | H | A | B | C |
|----------|------|------|------|-----|-----|-----|
| SPRO-N50 | 2000 | 2160 | 2140 | 200 | 410 | 150 |