

Electr Heat PRO

Pool Heat Pump 100 kW – 50Hz Specification Sheet

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|---|---------------------------|
| PRODUCT GRADE | Waterco Commercial |
| Model Number | PRO100 |
| Code | 27883804 |
| | |
| Nominal Heating Capacity* | 97 kW (331,000 BTU) |
| Power Output Heat (26/26/80) | 97 kW (331,000 BTU) |
| Power Output Heat (15/26/70) | 67 kW (229,000 BTU) |
| Power Output Heat (10/26/63) | 58 kW (198,000 BTU) |
| Compressor (HP) | (2 x) 11HP |
| Manufacturer | Sanyo |
| Compressor number | C-SCP360H38A |
| Water Flow & Plumbing Characteristics | |
| Water Bypass Type | Ext. Field Install |
| Min./Max. Water Flow Rate (LPM) | 500-680 |
| Min./Max. Water Inlet Temperature (°C) | 14° - 40° |
| Plumbing Connection Size (Slip) | 80mm / 3" PVC |
| Electrical Characteristics | |
| 50Hz Dual Rated Supply Voltage (VAC) | 380-415V |
| Supply Voltage Phase | 3Φ |
| Min Sup. Wire Size Copper Strand (mm ²) | #10/5 |
| Min / Max HACR Breaker or Fuse (AMP) | 40 / 50 |
| Average unit input current (AMP) | 26.71 |
| Power consumption (kW) | 15.18 |
| Coefficient of Performance @ 26/26/80 (COP) | 6.4 |
| Compressor Rated Load Amps (RLA) each | 16.9 |
| Compressor Locked Rotor Amps (LRA) | 102 |
| Evaporator Fan Motor (HP) | 1/2 |
| Fan Speed (RPM) | 650 |
| Fan Full Load Amp (FLA) each | 2.4 |
| Fan Motor Run Capacitor | 10 μF – 370 VAC |
| Air Flow (CFM) | (2x) 7200 |
| Fan Discharge / Fan Diameter (mm) | Vertical / 660 |
| Min./Max. Air Inlet Temperature (°C) | 6° / 40° |
| Refrigerant Characteristics | |
| Refrigerant Type | R-410A |
| Initial Factory Refrigerant Charge (g.) | 7144 |
| Evaporator | (2x) 10-1110 (double) |
| Titanium coil | (6x) 17069mm + insert |
| Expansion system | (2x) Expansion Valve |
| Characteristics | TGEL -9 (5/8"X7/8"X1/4") |
| Physical Characteristics | |
| Cabinet Construction | Powder coat sheet metal |
| Color | Black |
| Separate Electric Compartment | Yes |
| Weight (kg.) | 453 |
| Dimensions (mm) | 1730W x 1120L x 1090H |

ELECTROHEAT PRO96 FEATURES

- Six titanium dual coiled exchangers for maximum heat transfer
- Twin evaporators for enhanced heat absorption
- Twin high performance 11HP Sanyo hermetic scroll compressors
- Twin 660mm fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out 80mm (3") water connections
- Easy cable entry and electrical connection access
- Easy installation and relocation with allowance for forklift tines
- Integral flow switch protecting equipment from operation when no flow is detected
- Tested to CAN/CSA-C22.2 NO. 236-11, category 1211-05
- Noise emission: 69dBA@ 1 metre & 59dBA@ 3 metres

