

Electr Heat PRO

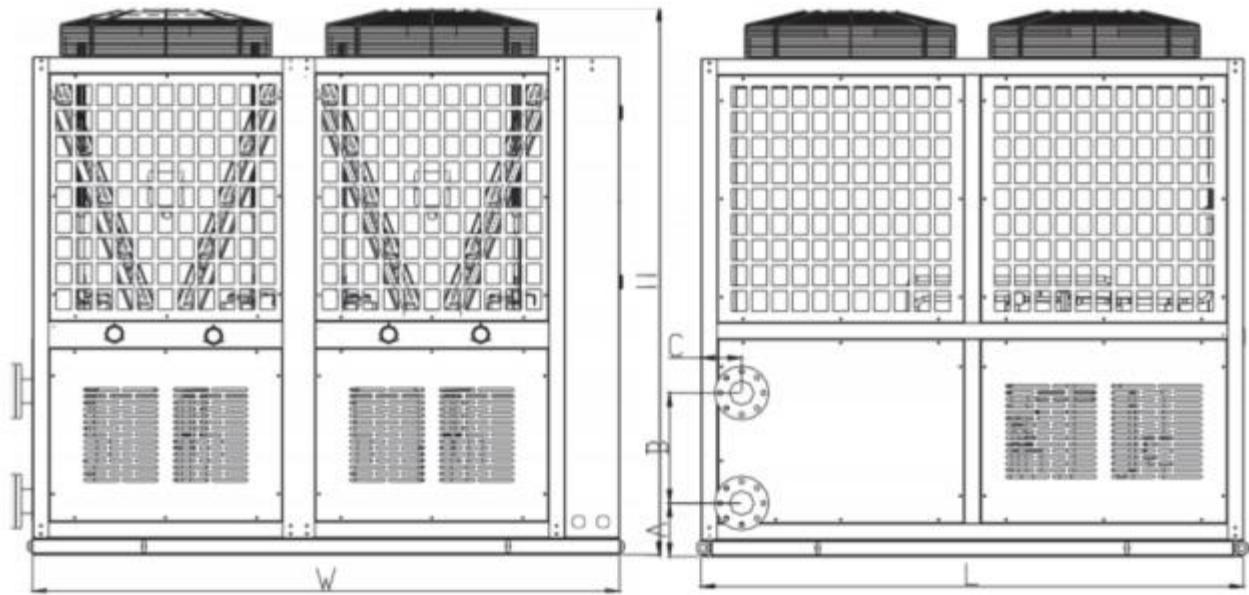
Pool Heat Pump 250 kW – 50Hz Specification Sheet

PRODUCT GRADE	Waterco Commercial
Model Number	PRO250
Code	27883803050
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