

Specification Sheets

Pool Heat Pump 60kW - 50Hz

Electr Heat PRO



PRODUCT GRADE Waterco Commercial
Model Number PRO60
Code 27860006

Nominal Heating Cooling Capacity*

Output Heat Turbo Mode (27/27/80)	60.0 kW
Output Heat Perfect Mode (27/27/80)	48.5 kW
Output Heat Turbo Mode (15/26/70)	42 kW
Output Heat Perfect Mode (15/26/70)	34 kW
Output Cool (35/28/80)	25 kW
Coefficient of Performance @ 27/27/80 (COP)	7.5 - 15.1
Coefficient of Performance @ 15/26/70 (COP)	5.6 - 8.1
Compressor (HP)	10HP
Manufacturer	Mitsubishi DC Inverter
Compressor model	LVB65FAEMC

Water Flow & Plumbing Characteristics

Water Bypass Type	Ext. Field Install
Min./Max. Water Flow Rate (LPM)	330 - 400
Min./Max. Water Inlet Temperature (°C)	6° - 40°
Plumbing Connection Size (Slip)	65mm PVC slip

Electrical Characteristics

50Hz Dual Rated Supply Voltage (VAC)	400-415V
Supply Voltage Phase	3φ
Max HACR Breaker or Fuse (AMP)	60
Average unit input current (AMP)	2.72-10.87
Maximum unit input current (AMP)	19 / ph
Normal power consumption (kW)	1.88-7.50
Max. Fan Speed (RPM)	850
Fan Motor	2 x Axial
Fan Full Load Amp (FLA) each	1.6
Air Flow (m³/h) each	9500
Fan Diameter (mm)	552
Min./Max. Air Inlet Temperature (°C)	>-20° - 43°

Refrigerant Characteristics

Refrigerant Type	R-32
Initial Factory Refrigerant Charge (kg.)	4.8
Evaporator	Hydrophilic aluminium
Heat Exchanger	Titanium in PVC
Expansion system	Expansion Valve
Characteristics	Sanhua PQM08004
Four Way valve	Saginomiya STF-0712G

Physical Characteristics

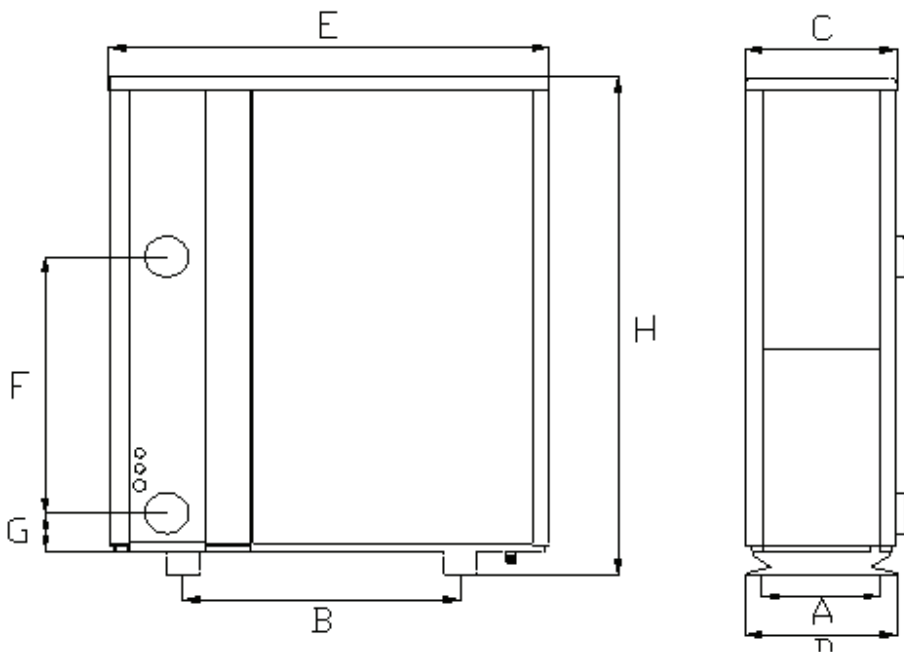
Cabinet Construction	Aluminium Alloy
Colour	Black
Weight (kg.)	217
Dimensions (mm)	459W x 1545L x 1630H

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Features

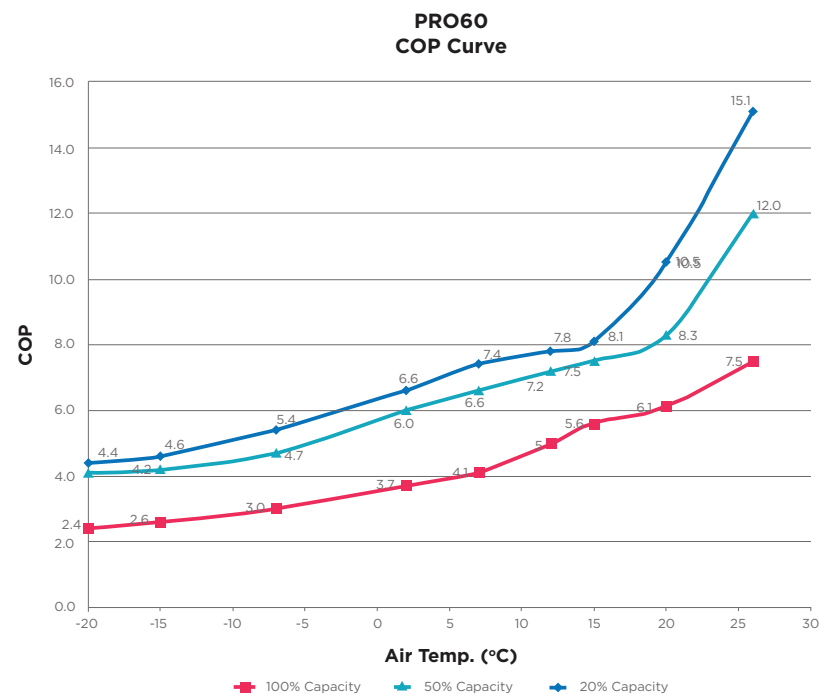


- Heating, Cooling and Auto mode selection
- Heating Temperature range 18°C - 40°C
- Cooling temperature range 12°C - 30°C
- Intuitive touch control panel with WIFI / APP control
- Aluminium alloy casing
- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporator for enhanced heat absorption
- High performance 10HP Mitsubishi DC Inverter compressor
- Twin horizontal fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out 65mm slip water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected
- Noise emission: 51 ~ 59dBA@ 1 metre
- Noise emission: 30 ~ 39dBA@ 10 metres
- Warranty Domestic -
1 year labour, 7 years - titanium heat exchanger,
7 years - compressor,
5 years - all other components
- Warranty Commercial - 1 year labour and parts



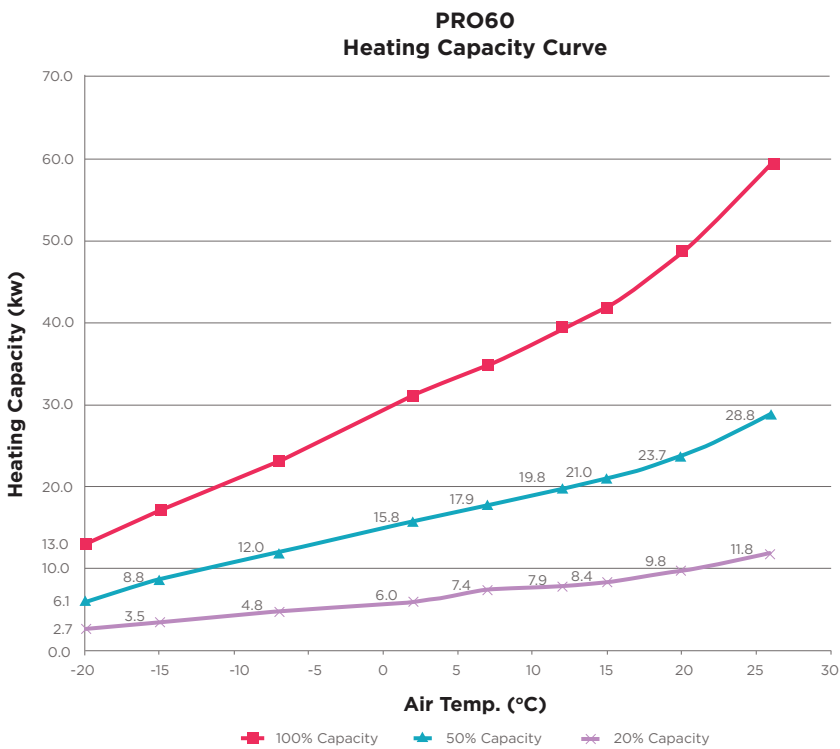
Size(mm)	Name							
Model	A	B	C	D	E	F	G	H
IMC60WAT	391	1055	458	459	1545	840	123	1630

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Heating Capacity -
Water Temperature 26°C

Air Temperature (°C)	100% Capacity	50% Capacity	20% Capacity
26	59.4	28.8	11.8
20	48.7	23.7	9.8
15	42.0	21.0	8.4
12	39.5	19.8	7.9
7	34.9	17.9	7.4
2	31.1	15.8	6.0
-7	23.1	12.0	4.8
-15	17.2	8.8	3.5
-20	13.0	6.1	2.7



Coefficient Of Performance -
Water Temperature 26°C

Air Temperature (°C)	100% Capacity	50% Capacity	20% Capacity
26	7.5	12.0	15.1
20	6.1	8.3	10.5
15	5.6	7.5	8.1
12	5	7.2	7.8
7	4.1	6.6	7.4
2	3.7	6.0	6.6
-7	3.0	4.7	5.4
-15	2.6	4.2	4.6
-20	2.4	4.1	4.4