

# Air Source Monobloc Heat Pump Water Heaters

## Ducted



HP200M3 HP250M3 HP250M3C

Can connect with duct multiple installation application

Work under low tariff hours to save more electricity cost

The micro-channel condenser has larger contact surface for better heat transfer performance and less refrigerant consumption

Powerful compressor contribute to shorter heating up time

HP 250M 3C have a coil exchanger.can be connected with solar water heaters or gas boiler as backup power to maximum the energy saving

Under Photovoltaic system, you can set the product to optimize use of electricity produced

### COMFORT

- Working modes Eco,Boost,Auto,Anti-legionella,Holiday
- Coil and sensor pocket for solar or boiler installation
- Additional heating element
- Signal control or timer control Off Peak Power settings
- Hot water volume display

### EFFICIENCY&ENERGY SAVING

- COP@15°C=3.53 (HP200M3)
- COP@7°C = 3.04 (HP200M3)
- Working temperature: -5°C-35°C
- Micro-Channel condenser

### QUALITY

- Magnesium anode protection
- Titanium enamel steel tank
- 50 mm PUF insulation

### DESIGN

- LED display with touch control
- Off peak power
- Additional energy source connection (solar or gas boiler)
- PV Ready and smart grid ready

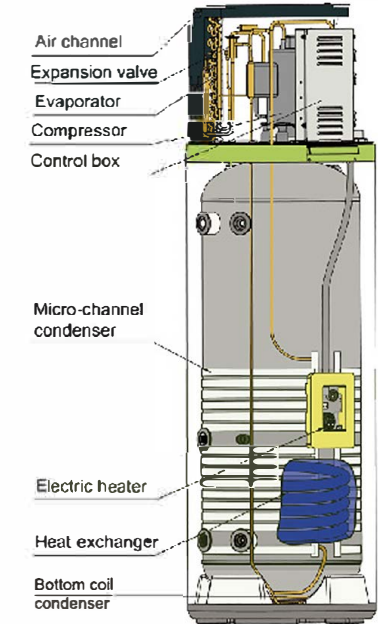
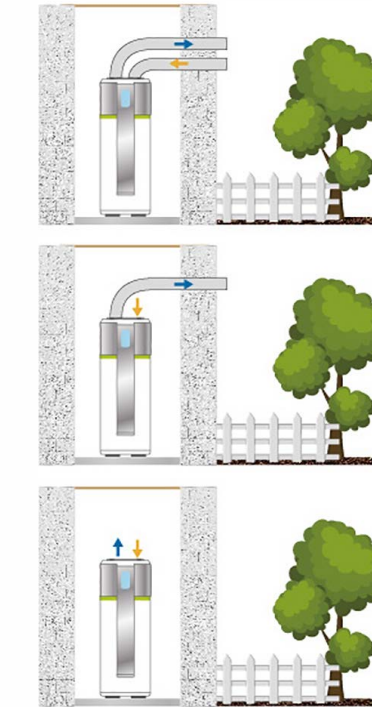
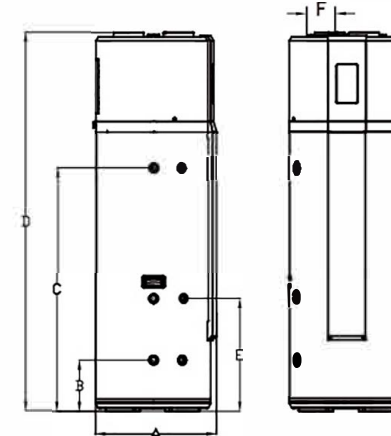
## FEATURES

## Specification

HP200M3/HP250M3/HP250M3C

Model	A	B	C	D	E	F
HP200M3	629	270	980	1692		180
HP250M3	629	270	1275	1987		180
HP250M3C	629	270	1275	1987	590	180

Unit:mm



Model	HP200M3	HP250M3	HP250M3C
<b>Tank</b>			
Tank volume (L)	195	246	240
Rated voltage/ frequency (V/Hz)	230V/50Hz	230V/50Hz	230V/50Hz
Tank rated pressure (bar)	7	7	7
Extra exchanger design / area	No	No	1 m <sup>2</sup>
Corrosion proof	Magnesium anode	Magnesium anode	Magnesium anode
<b>Performance</b>			
Type of extraction	Ambient / Exterior	Ambient / Exterior	Ambient / Exterior
COP@7°C (EN16147)	3.04	3.02	3.05
COP@15°C (EN16147)	3.53	3.50	3.58
Tapping cycle (EN16147)	L	L	L
Electric backup power (W)	1500	1500	1500
Average input - heat pump only(W)	495	495	495
Maximum input- heat pump only(W)	625	625	625
Maximum power input (W)	2125	2125	2125
Stand by power input/ Pes(W)	27	27	27
Vmax	224	311	330
Heating up time (h) (@7°C)	5.5	7.35	6.92
Heating up time (h) (@15°C)	4.65	6.35	6.35
Default temperature setting (°C)	55	55	55
Temperature setting range with heater (°C)	35-75	35-75	35-75
Temperature setting range heat pump only (°C)	35-65	35-65	35-65
Refrigerant type / Weight (kg)	R134a/0.9	R134a/0.9	R134a/0.9
Noise power db(A)	57	58	59
Working temperature - system (°C)	-5-35	-5-35	-5-35
<b>Dimensions and connections</b>			
Product Dimenrions (D*W*H mm)-Tank	600*629*1692	600*629*1987	600*629*1987
Packing dimensions (D*W*H mm)-Tank	736*695*1940	736*695*2250	736*695*2250
Gross weight (kg)-Tank/external unit	103	116	132
Net weight (kg)-Tank/external unit	91	102	119
Load qty. 40HQ	51	51	51

