



HP80M5 HP110M5 HP150M5



PV



Easy to Install



ECO



Micro-channel
Condenser

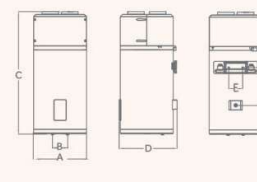


Fast Heating



Slim Body

- Under Photovoltaic system, you can set the product to optimize use of electricity produced
- Plug and play like electric water heater, easy to install and replace
- Work under low tariff hours to save more electricity cost
- The micro-channel condenser has larger contact surface for better heat transfer performance
- Powerful compressor contribute to shorter heating up time
- Slim body design saves space



*Dimensions (mm)

Model	A	B	C	D	E	F
HP80M5(EU)	492	140	1170	537	159	362
HP110M5(EU)	492	140	1320	537	159	362

*Dimensions (mm)

Model	A	B	C	D	E	F
HP150M5(EU)	492	140	1680	537	159	470



Model	HP80M5	HP110M5	HP150M5
Installation	Vertical wall-hung/ducted	Vertical wall-hung/ducted	Vertical wall-hung/ducted
Tank volume (L)	82	102	149
Rated voltage/ frequency (V/Hz)	220-240/50	220-240/50	220-240/50
Tank rated pressure (bar)	8	8	8
Extra exchanger design / area	No	No	No
Corrosion protection	Magnesium anode	Magnesium anode	Magnesium anode
Water proof grade	IPX4	IPX4	IPX4
Assembled System			
Electric backup power (W)	1200	1200	1200
Average input - heat pump only (W)	240	240	240
Maximum input - heat pump only (W)	350	350	350
Maximum power input (W)	1550	1550	1550
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/0.45	R134a/0.45	R134a/0.46
Ozone Depletion Potential (ODP)	0	0	0
Global Warming Potential (GWP)	1430	1430	1430
Noise power dBA	50	50	50
Working temperature - heat pump only (°C)	-7-45	-7-45	-7-45
Working temperature - system (°C)	-7-45	-7-45	-7-45
Performance			
Type of extraction	Exterior	Exterior	Exterior
COP@7 °C (EN16147)	2.86	2.74	3.14
COP@14 °C (EN16147)	3.17	3.19	3.58
Heating up time (h) (@7°C)	4h58	6h35	10h29
Heating up time (h) (@14°C)	4h09	5h23	8h28
Tapping cycle (EN16147)	M	M	L
Standby power input/ Pes(W) (@7°C)	20	20	21
Maximum volume of usable hot water (L) V40 (EN16147)	109	137	193
Water heating energy efficiency class (ERP)	A+	A+	A+
Dimensions and connections			
Water outlet connection	G1/2" M	G1/2" M	G1/2" M
Water inlet & Drain connection	G1/2" M	G1/2" M	G1/2" M
Safety valve connection	G1/2" M	G1/2" M	G1/2" M
Product Dimensions (D*W*H mm) (tank unit/external unit)	492*537*1170	492*537*1320	492*537*1680
Packing dimensions (D*W*H mm) (tank unit/external unit)	587*587*1247	587*587*1397	587*587*1764
Gross weight (kg)	59	64	89
Net weight (kg)	51	55	67
Load qty.40HQ	160	80	80