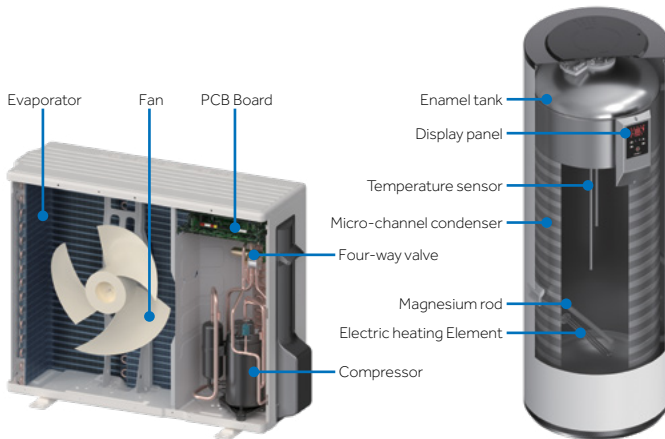


# S1 HP TECHNICAL PARAMETERS



## FEATURES

- Micro channel and bottom coil heat exchanger with bigger contact surface to heat the water by whole tank. The thermal efficiency will increase dramatically
- Powerful compressors contribute to shorter heating up time
- Under Eco mode, water is heated by heat pump exclusively to maximize efficiency and economy
- Monitors the operating temperature through multi-touch sensors and performs intelligent defrost on demand to prevents invalid operation. It is more effective and energy-saving than scheduled defrost

Model		HP200S1	HP300S1
Model (tank unit)		TS200HE-S1	TS300HE-S1
Model (external unit)		UE1.0-S1	UE1.5-S1
Tank volume	L	195	293
Rated voltage/ frequency	V/Hz	230V/50Hz	230V/50Hz
Tank rated pressure	bar	8.5	8.5
Corrosion protection		Magnesium anode	Magnesium anode
Water proof grade		IPX4	IPX4
<b>Assembled System</b>			
Electric backup power	W	2150	2150
Average input - heat pump only	W	665	850
Maximum input- heat pump only	W	1000	1350
Maximum power input	W	3150	3500
Default temperature setting	°C	55	55
Temperature setting range with heater	°C	35-75	35-75
Temperature setting range heat pump only	°C	35-65	35-65
Refrigerant type / Weight	kg	R134a/1.3	R134a/1.5
Noise power	dB(A)	64	64
Working temperature - heat pump only	°C	-7-45	-7-45
Working temperature - system	°C	-7-45	-7-45
<b>Performance</b>			
Type of extraction		Exterior	Exterior
COP@7 °C (EN16147)		3.09	3.2
COP@14 °C (EN16147)		3.54	3.8
Heating up time (h) (@7°C)		4h03	4h49
Heating up time (h) (@14°C)		3h32	3h49
Tapping cycle (EN16147)		L	XL
Standby power input/ Pes(W) (@7°C)		28	29
Maximum volume of usable hot water V40 (EN16147)	L	245.1	382.6
Water heating energy efficiency class	(ERP)	A+	A+
<b>Dimensions and connections</b>			
Water outlet connection		G3/4" F	G3/4" F
Water inlet & Drain connection		G3/4" F	G3/4" F
Safety valve connection		G3/4" F	G3/4" F
Product Dimensions Tank unit/external unit	WxHxD (mm)	1765/899 × 352/681 × 544/512	1795/899 × 352/681 × 632/600
Packing dimensions Tank unit/external unit	WxHxD (mm)	1927/960 × 425/735 × 676/636	1958/960 × 425/735 × 737/696
Gross weight (kg)		89/44	112/48
Net weight (kg)		77/41	98/44
Load qty. 40HQ		60	51



Micro-Channel Condenser



Fast heating



ECO



Smart Defrost

