THERMA V R134a
HEAT PUMP WATER HEATER (200 / 270 ℓ)

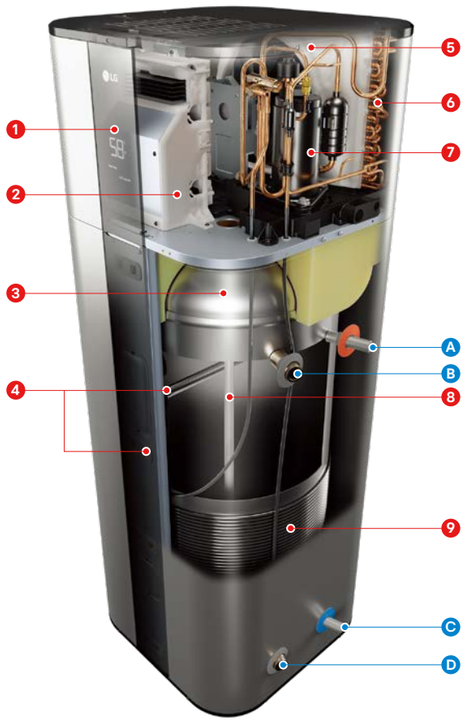
WH20STR2 FA[1)]
WH27STR2 FA[1)]
WH20S F5
WH27S F5



1) Available SG ready function

Key Components

Heat Pump Water Heater



Components

1. Display screen
2. Inverter drive
3. Water tank
4. Electric heaters, 2 x 2 kW
5. Fan
6. Evaporator
7. Dual inverter compressor
8. Anode (ICCP[1)])
9. Ref. piping coil

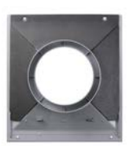
Connections

- A Water outlet (NPT 3/4")
- B Opening for T&P relief valve
- C Water inlet (NPT 3/4")
- D Opening for drain valve

Technical Specification

Indoor Units		Unit	WH20STR2 FA WH20S F5	WH27STR2 FA WH27S F5
Capacity	Volume (nominal)	ℓ	200	270
Refrigerant	Type	-	R134a	
	GWP	-	1,430	
	Pre-charged amount	g	650	750
Efficiency	COP (7°C / 15°C)	-	3.30 / 3.50	3.45 / 3.85
	Energy class (7°C / 15°C)	-	A+ / A+	A+ / A+
	Annual energy consumption (7°C / 15°C)	kWh	756 / 709	712 / 646
Performance	Operation range	°C	-5 ~ 48	
	Max. water temperature with heat pump	°C	50	
	Max. water temperature with heating element	°C	60	
	Heating element	kW	2.0 + 2.0	2.0 + 2.0
	Sound power level	dB(A)	55	55
	Sound pressure level at 2 m (Auto mode)	dB(A)	38	38
	V40	ℓ	260	360
	Load profile	-	L	L
	Operation mode	-	Turbo / Auto / Heat pump / Vacation / Anti legionella	
Compressor	Type	-	Inverter twin rotary	
Piping connections	Water inlet / outlet	inch	G 3/4"	
Dimension	H x W x D	mm	1,625 x 580 x 582	2,008 x 580 x 582
Weight	Net	kg	102	119
Exterior	Color of chassis / RAL code	-	Luxury silver / RAL 9006	
Safety valve	Type	-	T&P relief valve	
IP Class		-	IPX1	
Anode type		-	ICCP[1)]	
Tank material		-	Enameled steel	
Power supply	Voltage, phase, frequency	V, Ø, Hz	230, 1, 50	
	Recommended circuit breaker	A	15	
Additional function	Wi-Fi (ThinQ)	-	O	
	SG Ready	-	Not supported for WH**S.F5 Supported in WH**STR2.FA	

1) Impressed current cathodic protection

Accessory Name	Model Name	Figure	Applicable Product	Feature
Duct accessory	PHDCLA0.ELGTEEU		R134a Heat pump water heater	Duct accessories are necessary for duct installation.