



SOLE HPT Series Boilers with integrated Heat Pump for Domestic Hot Water use

The SOLE HPT Series range includes models with volumes of 200 and 250 liters with and without a heat exchanger.

It is an environmentally friendly product, operating with renewable energy sources resulting in lower CO emissions¹.

The highest energy efficiency class A+ in its category, according to ErP regulations.

Operates within a wide temperature range of the incoming air starting from -10°C to 43°C.

Heats up water to 65°C with the heat pump only.

Electric heating element for faster heating up and reaching of higher temperature of 75°C.

Highly efficient² with a precisely balanced refrigerant cycle due to an electronically commutated motor and an electronic expansion valve.

Up to 75% lower electricity consumption³.

Can be connected to other renewable energy sources like PV and solar systems or boilers.

Programmable with any user friendly control panel.

Automatic anti-legionella cycle. Self-diagnostic system.

¹According to the European Market and Statistical Report on the European Heat Pump Association 2018.

² SOLE HPT is in energy efficiency class A+.

³ Compared to other similar products in energy class C.

Renewable
Energy



65°C DHW with the
heat pump only

Energy efficiency
class A+



Up to 75% reduced
electricity
consumption

Low CO₂
emissions



Connectivity to Solar
and PV panels

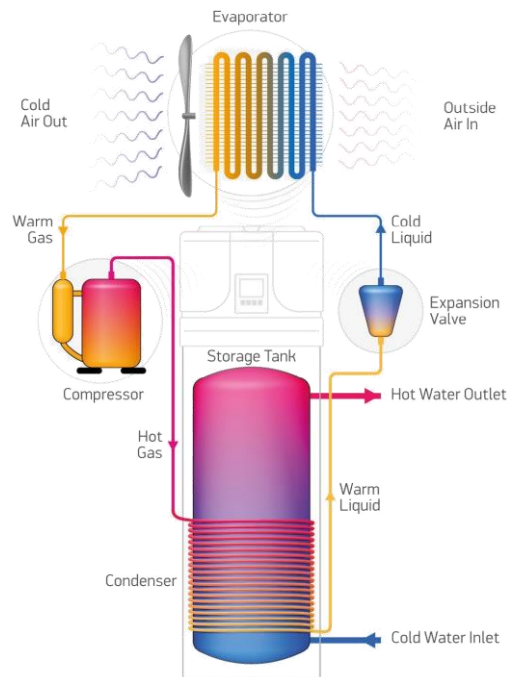
Electronic step motor
for precisely balanced
refrigerant cycle



User-friendly LCD
Display

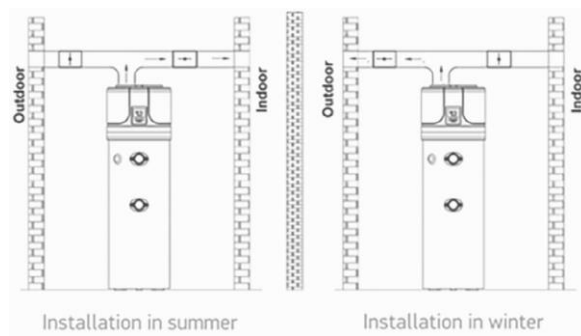
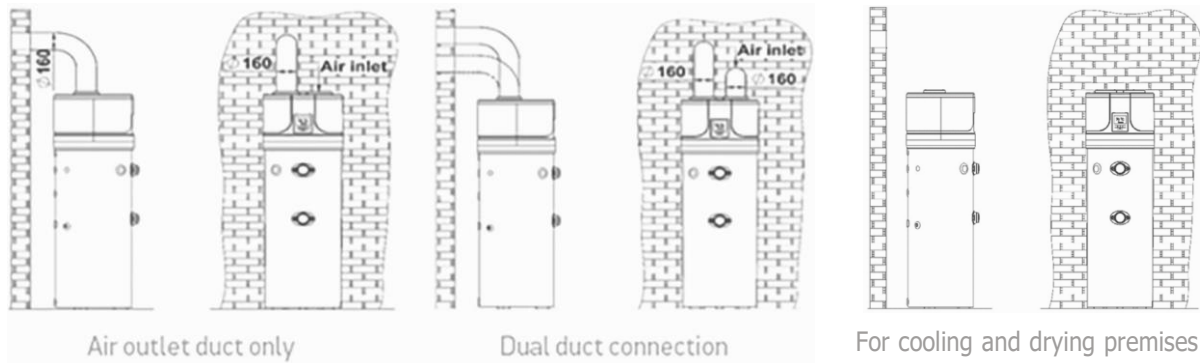
Operational tempe-
rature range -
10 to +43°C

WORKING PRINCIPLE



AIR-DUCT SYSTEM INSTALLATION

Applications for cooling and drying premises



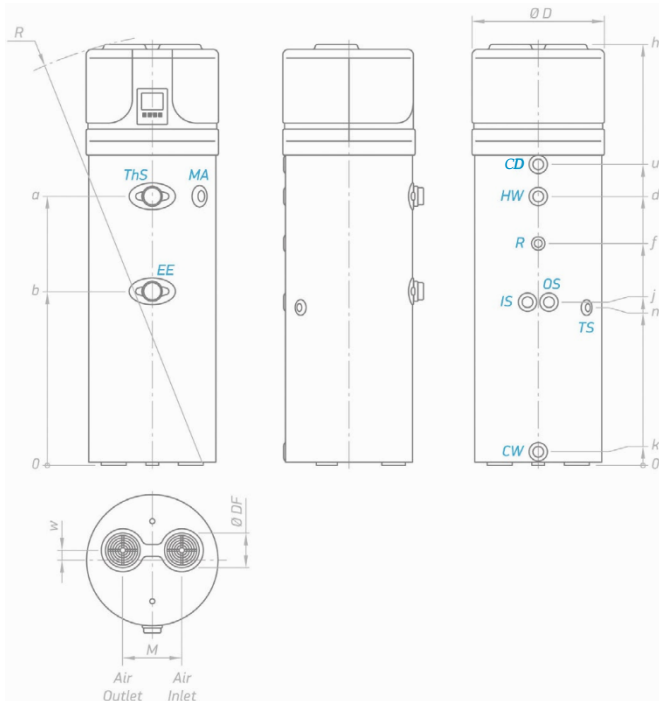
DRAWINGS AND TECHNICAL DATA

Model			HPT-1-200 200LIT + Heat exchanger	HPT-0-200 200LIT	HPT-1-250 250LIT + heat exchanger	HPT-0-250 250LIT
Performance						
Declared load profile			L	L	XL	XL
Heat pump thermal power yield; prated	Condition EN16147:2017 A7/W55	kW	1,1	1,1	1,2	1,2
Heating time ;	Condition EN16147:2017 A7/W55	h:m	8:59	8:5 9	10:15	10:15
COP DHW	Condition EN16147:2017 A7/W55		2.8	2.8	3,0	3,0
COP DHW	Condition EN16147:2017 A14/W55		3.1	3.1	3.4	3.4
Water heating energy efficiency class	Climate condition EN16147:2017 average		A+	A+	A+	A+
Annual electricity consumption	Climate condition EN16147:2017 average	kWh	867	867	1355	1355
Sound power Lw(A)	EN12102-2:2019	dB(A)	53	53	53	53
Electrical data						
Power supply (Frequency)		V (Hz)	1 / N / 230 (50)			
Degree of protection			IPX4			
HP maximum absorption		kW	0.663 + 1.5 (e-heater) = 2.163			
Average heat pump consumption	Condition EN16147:2017 A7/W55	kW	0,43	0,4 3	0,466	0,466
Electric heating element power		kW	1,5			
Maximum current in HP		A	3.1 + 6.5 (e-heater) = 9.6			
Required overload protections		A	16A T fuse/ 16A automatic switch, characteristic C (to be expected during connection to a power supply systems)			
Internal protection			Safety thermostat with a manual reset on a resistive element			
Operating conditions						
Min. ÷ max temperature heat pump air intake (90% R.H.)		°C	-10÷43			
Min. ÷ max temperature installation site		°C	4÷43			
Working temperature						
HP Maximum settable temperature		°C	75			

DRAWINGS AND TECHNICAL DATA

Model			HPT-1-200 200LIT + Heat exchanger	HPT-0-200 200LIT	HPT-1-250 250LIT + heat exchanger	HPT-0-250 250LIT
Design characteristic						
Compressor / compressor protection			Rotary / thermal circuit breaker with an automatic reset			
Thermodynamic circuit protection type			Safety pressure switches with an automatic reset; [high/low pressure 2.5/0.1 Mpa]			
Fan			Centrifugal			
	Nominal air capacity	m ³ /h	314			
	Max. pressure head available	Pa	98			
	Motor protection		Internal thermal circuit breaker with an automatic reset			
Condenser			Wound externally, not in contact with the water			
Automatic anti-Legionella cycle			Yes			
Defrosting			4-way valve			
Refrigerant			R134a			
Refrigerant charge		g	880			
Global warming potential			1430			
CO2 equivalent		t	1287			
Water storage tank						
Water storage tank capacity		l	194	202	251	260
V40*	EN16147:2017	l	262	272	339	351
Internal heat exchanger for auxiliary source		m ²	1	N/A	1,2	N/A
Cathodic protection			Mg anode Ø32x400 mm			
Insulation - rigid PU		mm	50			
Transport weight		kg	112	96	128	110
Maximum working pressure		bar	8			

*Max. quantity of hot water at 40°C.



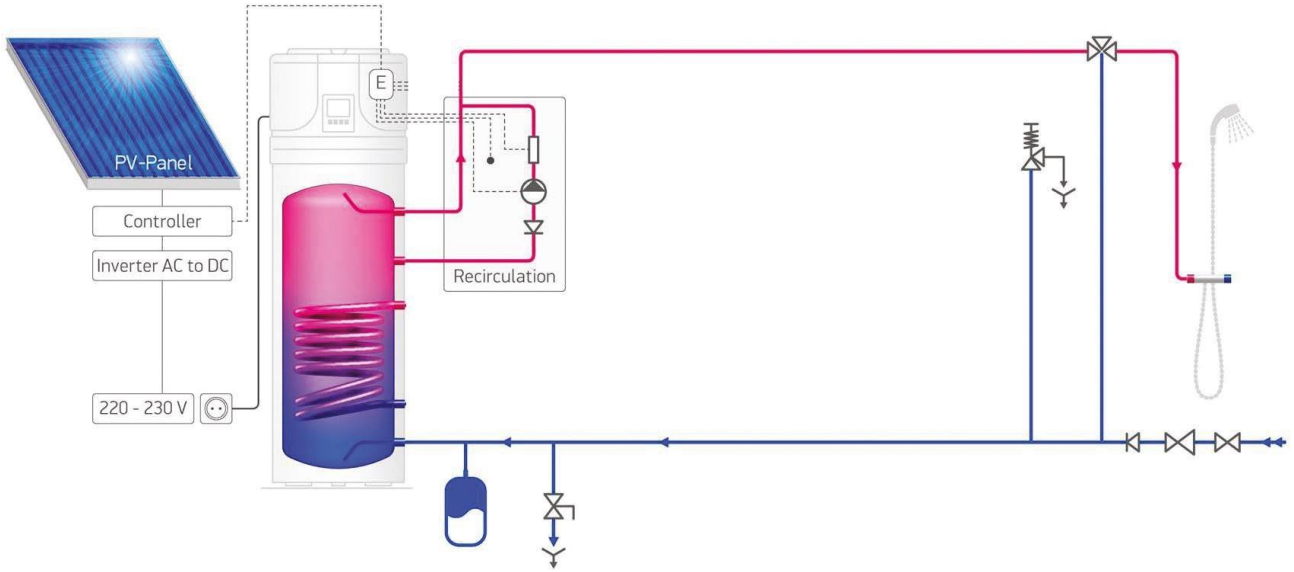
Dimensions ±5mm		HPT-1-200	HPT-0-200	HPT-1-250	HPT-0-250
h	mm	1720	1720	2010	2010
a	mm	994	994	1285	1285
b	mm	724	724	834	834
d	mm	995	995	1285	1285
f	mm	803	803	1064	1064
i	mm	681	-	781	-
k	mm	60	60	60	60
n	mm	681	681	766	766
u	mm	1153	1153	1440	1440
w	mm	58	58	58	58
M	mm	260	260	260	260
ØDF	mm	160	160	160	160
R	mm	1785	1785	2055	2055
ØD	mm	630	630	630	630

MODELS		HPT-1-200	HPT-0-200	HPT-1-250	HPT-0-250
CW	cold water inlet	G 1"	G 1"	G 1"	G 1"
HW	hot water outlet	G 1"	G 1"	G 1"	G 1"
IS	heat exchanger inlet	G 1"	-	G 1"	-
OS	heat exchanger outlet	G 1"	-	G 1"	-
R	recirculation	G ¾"	G ¾"	G ¾"	G ¾"
TS	thermo pocket level 1 opening for electric element	G ½"	-	G ½"	-
EE	condense drainage	G 1½"	G 1½"	G 1½"	G 1½"
CD		G ¾"	G ¾"	G ¾"	G ¾"
TsH	Thermal safety thermostat				
MA	Mg anode	G 1¼"	G 1¼"	G 1¼"	G 1¼"

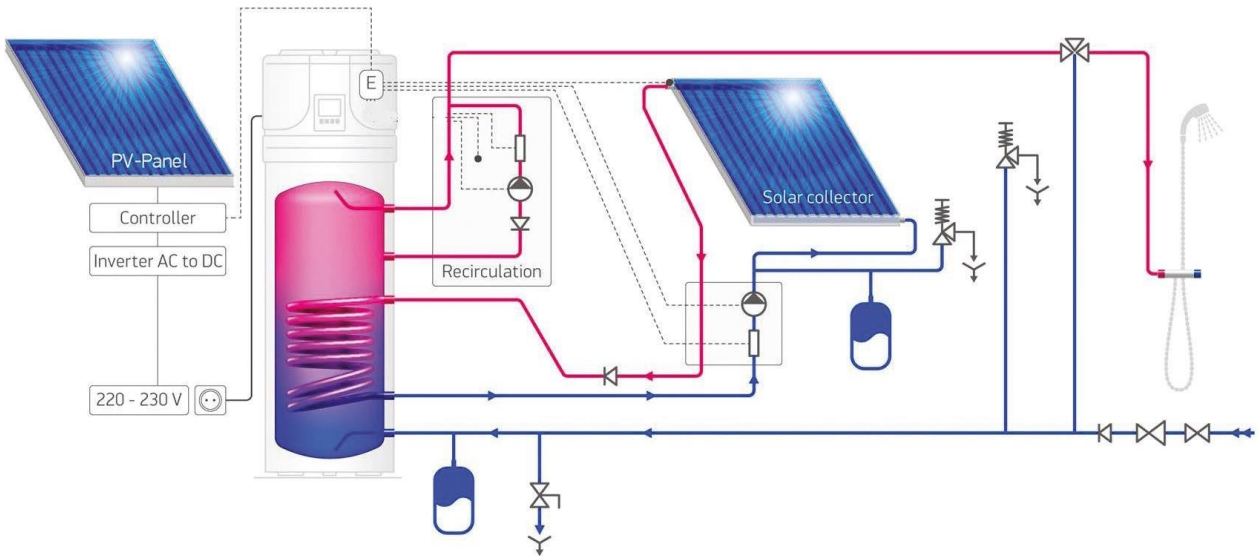
Thread designations according to EN ISO 228-1

CONNECTIVITY AND INSTALLATION OPTIONS

Connection to a PV panel



Connection to a PV and solar panel



Connection to a PV panel and a boiler

