

Combined and indirectly heated storage tanks

"All in one" heat pump and storage tank for domestic hot water production



"All in one" heat pump and storage tank for domestic hot water production | 200 to 260 litres

MODEL		EVHP 9S 200 60	EVHP 200 60	EVHP 9S 260 60	EVHP 260 60
HP thermal power yield	kW	1.6	1.6	1.6	1.6
Total thermal power	kW	3.1	3.1	3.1	3.1
Heating time ⁽¹⁾	h:m	07:16	07:16	09:44	09:44
Heating time in BOOST mode ⁽¹⁾	h:m	03:48	03:48	04:57	04:57
Heat losses 65°C ⁽²⁾	W	76	76	105	105
Declared load profile		L	L	XL	XL
Water heating energy efficiency class under average climate conditions		A			
Water heating energy efficiency in % under average climate conditions	%	110	110	121	121
Annual electricity consumption in kWh under average climate conditions	kWh	929	929	1384	1384
Electrical data					
Power supply	V	1 / N / 230			
Frequency	Hz	50			
Degree of protection		IPX4			
HP maximum absorption	kW	0.5			
Average absorption	kW	0.37			
Heating element + HP maximum absorption	kW	2.0			
Electric heating element power	kW	1.5			
Maximum current in HP	A	2.3			
Required overload protections	A	16 A T fuse/ 16 A automatic switch, characteristic C (to be expected during installation on power supply systems)			
Internal protection		Single safety thermostat with manual reset on a resistive element			
Operating conditions					
Min. ÷ max temperature heat pump air intake (90% R.H.)	°C	4÷43			
Min. ÷ max temperature installation site	°C	4÷43			
Working temperature					
HP Maximum settable temperature - ECO cycle	°C	56			
Maximum settable temperature in an AUTOMATIC cycle	°C	70			
Compressor		Rotary			
Compressor protection		Thermal circuit breaker with automatic reset			
Thermodynamic circuit protection type		Safety pressure switch with automatic reset			
Fan		Centrifugal			
Ejection outlet diameter	mm	160			
Revolutions per minute	rpm	1420			
Nominal air capacity	m ³ /h	350			
Max. pressure head available	Pa	100			
Motor protection		Internal thermal circuit breaker with automatic reset			
Condenser		Wrapped externally, not in contact with water			
Coolant		R134a			
Load	g	900			
Water storage					
Water storage capacity	l	200	200	260	260
Max. quantity of hot water that can be used V _{max} ⁽³⁾	l	276	276	342	342
Coil for connection to solar thermal power system	m ²	0.96	N/A	0.96	N/A
Coil for connection to an auxiliary heating source	m ²	N/A	N/A	N/A	N/A
Cathodic protection		2 x Mg anode Ø 32x260 mm			
Insulation		50 mm rigid PU			
Defrosting		Passive with air			
Transport weight	kg	94	90	110.2	91.5
Sound power L _{w(A)} ⁽⁴⁾	dB(A)	59			
Automatic anti-Legionella disinfection cycle ⁽⁵⁾		YES			
Maximum working pressure	bar	7			

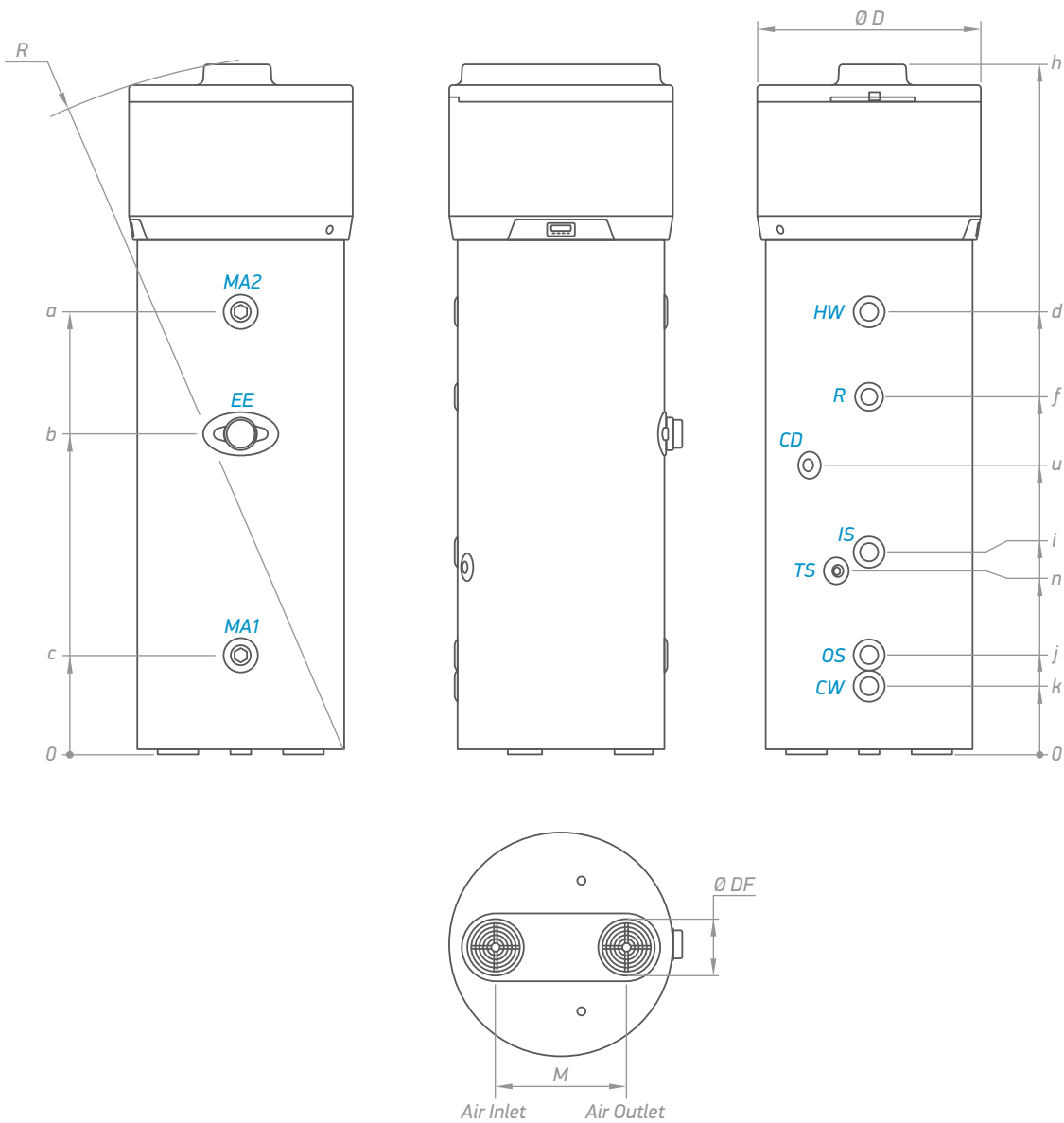
(1) - temperature of incoming air supply 20 (max. 15°C), temperature of boiler storage environment 20°C, water heated from 10°C to 55°C, (according to UNI EN 16147-2011)

(2) - measurements carried out according to UNI EN 12897-2006

(3) - measurements carried out according to UNI EN 16147-2011

(4) - measurements carried out according to EN 12102-2013

(5) - Automatic activation every 30 days of operation



Dimensions ±5 mm	EVHP 9S 200 60	EVHP 200 60	EVHP 9S 260 60	EVHP 260 60	
h	mm	1714	1714	2004	2004
a	mm	1000	1000	1286	1286
b	mm	716	716	931	931
c	mm	287	287	287	287
d	mm	1001	1001	1286	1286
f	mm	769	769	1065	1065
i	mm	674	674	674	674
j	mm	287	287	287	287
k	mm	202	202	202	202
n	mm	644	644	644	644
u	mm	769	769	839	839
R	mm	1751	1751	2038	2038
M	mm	380	380	380	380
DF	mm	160	160	160	160
ØD	mm	650	650	650	650

	EVHP 9S 200 60 EVHP 9S 260 60	EVHP 200 60 EVHP 260 60
CW	- cold water inlet	G 1"
HW	- hot water outlet	G 1"
IS	- inlet heat exchanger	G 1"
OS	- outlet heat exchanger	G 1"
TS	- thermo pocket	G ½"
R	- recirculation	G ¾"
EE	- electric heating element	
CD	- condensate drainage	G ½"

Thread designations according to EN ISO 228-1!