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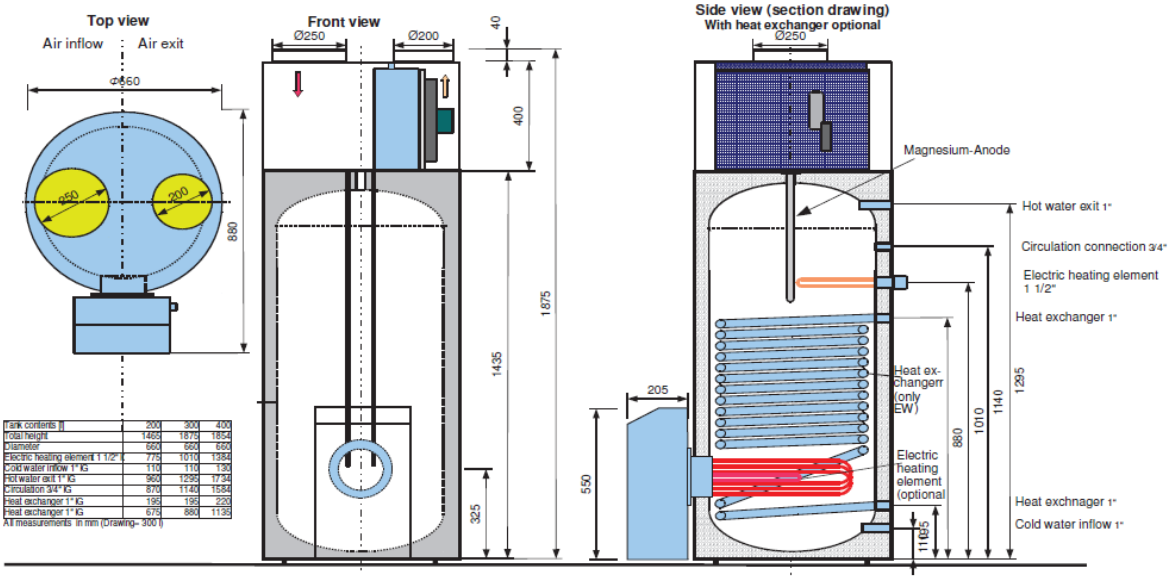
ΗΡΩΝ
ΑΝΑΝΕΩΣΙΜΕΣ ΕΠΕ

HWBL ambient air hot water heat pump

Hot water heat pump uses the ambient air of the room where it is installed as heat source. The pressure resistant tank is made of ST 37-2, specially enamelled according to DIN 4753 with magnesium anode and PU-rigid foam insulation. The EW model has an additional internal straight-tube heat exchanger for connection with a solar heating system or a solid fuel boiler with use of priority switch. The hot water heat pump has also an electric heating element of 1.5 kW. It is controlled automatically by an built-in thermostat.

Hot water



Tank contents lt	200	300	400
Total height	1465	1675	1854
Diameter	660	660	660
Electric heating element 1 1/2" lt	775	1010	1384
Cold water inflow 1" IG	110	110	130
Hot water exit 1" IG	960	1295	1734
Circulation 3/4" IG	870	1140	1584
Heat exchanger 1" IG	195	195	220
Heat exchanger 1" IG	675	880	1135

All measurements in mm (Drawing- 300 l)

HWBL 301

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Type		HWBL 201E	HWBL 301E	HWBL 301 EW	HWBL 301 WW
Refrigerant		R134a	R134a	R134a	R134a
Refrigerant filling weight	kg	0,45	0,45	0,45	0,45
Heating capacity A20/W45 (EN 255)	kW				
Power consumption A15/W45 (EN 255)	kW	0,58	0,58	0,58	0,58
Power consumption A20/W45 (EN 255)	kW				
COP (Coefficient of performance at HWB(A)L-S) (EN 255)		>4,0	>4,0	>4,0	>4,0
Heating up-time from 15 to 45 °C at source 20°C	h	4,0	6,0	6,0	6,0
Heating up-time from 15 to 55 °C at source 20°C	h	5,2	8,5	8,5	8,5
Source min. volume flow	m³/h				
Source nominal volume flow	m³/h				
Source connection dimensions	mm	250/200	250/200	250/200	250/200
Source entrance min.	°C	7	7	7	7
Source entrance max.	°C	32	32	32	32
Tank volume	l	200	300	300	300
Tank temperature max.	°C	65	65	65	65
Tank connection dimensions water	Inch	1	1	1	1
SOLAR heat exchanger connection dimensions	Inch			1	1
SOLAR heat exchanger square	m²			2,6	2,6
SOLAR heat exchanger volume	l			12	12
SOLAR internal pressure drop	hPa			80	80
2nd SOLAR heat exchanger connection dimensions	Inch				1
2nd SOLAR heat exchanger square	m²				1,2
2nd SOLAR heat exchanger volume	l				5
2nd SOLAR internal pressure drop	hPa				40
Nominal power electric heating element	kW	1,5	1,5	1,5	
Nominal voltage	V	230	230	230	230
Fuse (delay)	A	10	10	10	10
Measurement height	mm	1465	1875	1875	1875
Measurement width	mm	660	660	660	660
Measurement depth	mm	880	880	880	880
Weight (with tank)	kg	102	120	135	140

All technical data were determined according to EN 255 and EN 14511.
Subject to technical modifications.