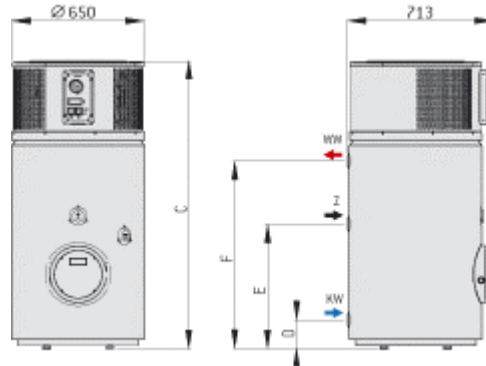


Heat pumps

SERIES 180-300

Dimensional diagrams HP 180-300



		HP 180	HP 300
Capacity	<i>l</i>	180	300
Power supply	<i>V/Hz/A</i>	230/50/16	230/50/16
Coolant / average recharge	<i>-/Kg</i>	R134a/0,85	R134a/0,85
Absorption (heat pump only)*	<i>kW</i>	0,62	0,62
Max. nominal absorption	<i>kW</i>	2,12	2,12
Power output (heat pump only)*	<i>kW</i>	1,91	1,98
Electric heating element (integration)	<i>kW</i>	1,5	1,5
Maximum power output	<i>kW</i>	3,41	3,48
Range of hot water temp. setting	<i>°C</i>	29÷56	29÷56
Range of use	<i>°C</i>	8÷35	8÷35
Maximum noise level	<i>dB(A)</i>	61	61
top/bot. coil surface	<i>m²</i>	-/-	-/-
Heat output (ΔT 35 K)** top/bot.	<i>kW</i>	-	-
Primary flow rate	<i>m³/h</i>	-	-
Max. operating temperature	<i>°C</i>	95	95
Max. operating pressure	<i>Mpa</i>	1	1
Net Weight	<i>Kg</i>	95	109
Hydraulic fittings	<i>KW-WW</i>	Rp 1	Rp 1
Exchanger fittings	<i>PV-PR</i>	-	-
Recirculation fittings	<i>Z</i>	Rp 1	Rp 1
Number of sensors	<i>Tr</i>	-	-
Data compliant with EN 255-3 (WPZ B-002-04-07 Wärmepumpentestzentrum NTB -FWS CH-Buchs)*			
Coefficient of performance	<i>COP_t</i>	3,1	3,2
Max. qty individual flow rate at 40 °C V _{max}	<i>l</i>	283	448
Max. actual power absorbed P _{es}	<i>W</i>	35,5	44,1
Actual energy absorbed W _{eh}	<i>kWh</i>	-	-
Heating time t _h	<i>h:min</i>	4:56	7:57
C	<i>mm</i>	1412	1852
D	<i>mm</i>	142	142
E	<i>mm</i>	612	912
F	<i>mm</i>	922	1362

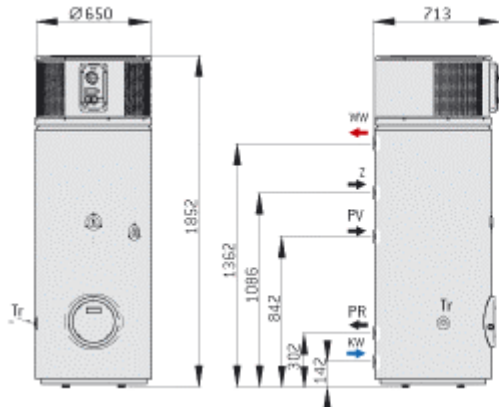
Note: * Primary circuit temperature 80 °C / Secondary circuit temp. 10 /45 °C

Note: * Room air temp. 15 °C, 71% humidity, domestic water at 15 °C / Temperature in storage tank 55 °C

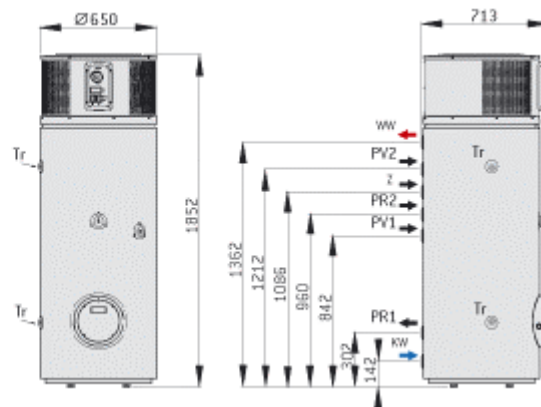
Heat pumps

SERIES 300

Dimensional diagrams HP 300 W



Dimensional diagrams 300 WW



		HP 300 W	HP 300 WW
Capacity	<i>l</i>	300	300
Power supply	<i>V/Hz/A</i>	230/50/16	230/50/16
Coolant/ average recharge	<i>-/Kg</i>	R134a/0,85	R134a/0,85
Absorption (heat pump only)*	<i>kW</i>	0,62	0,62
Max. nominal absorption	<i>kW</i>	2,12	2,12
Power output (heat pump only)*	<i>kW</i>	1,91	1,91
Electric heating element (integration)	<i>kW</i>	1,5	1,5
Maximum power output	<i>kW</i>	3,41	3,41
Range of hot water temp. setting	<i>°C</i>	29÷56	29÷57
Range of use	<i>°C</i>	8÷35	8÷35
Maximum noise level	<i>dB(A)</i>	61	61
top/bot. coil surface	<i>m²</i>	1,30/-	1,30/0,80
Heat output (ΔT 35 K)** top/bot.	<i>kW</i>	37/-	37/26
Primary flow rate	<i>m³/h</i>	2,5	2,5
Max. operating temperature	<i>°C</i>	95	95
Max. operating pressure	<i>Mpa</i>	1	1
Net Weight	<i>Kg</i>	130	145
Hydraulic fittings	<i>KW-WW</i>	Rp 1	Rp 1
Exchanger fittings	<i>PV-PR</i>	Rp 1	Rp 1
Recirculation fittings	<i>Z</i>	Rp 1	Rp 1
Number of sensors	<i>Tr</i>	1	2
Data compliant with EN 255-3 (WPZ B-002-04-07 Wärmepumpentestzentrum NTB -FWS CH-Buchs)*			
Coefficient of performance	<i>COP_t</i>	3,1	3,1
Max. qty individual flow rate at 40 °C V _{max}	<i>l</i>	430	430
Max. actual power absorbed P _{es}	<i>W</i>	55	55
Actual energy absorbed W _{eh}	<i>kWh</i>	4,24	4,24
Heating time t _h	<i>h:min</i>	8:01	8:01

Note: * Primary circuit temperature 80 °C / Secondary circuit temp. 10 /45 °C

Note: * Room air temp. 15 °C, 71% humidity, domestic water at 15 °C / Temperature in storage tank 55 °C