

TECHNICAL DATA

WEIDER – Heat Pumps



HEAT PUMP	TYPE	HW 90	HW 120	HW 150	HW 230	2HW120	2HW150	2HW230
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BRINE OPERATION with a feed temperature of 0 °C and heating flow temperature of 35 and 50 °C

	°C	35	50	35	50	35	50	35	50	35	50	35	50	35	50
Heating output	kW	6,1	5,7	9,3	8,2	12,3	10,9	17,6	15,7	18,6	16,4	24,6	21,8	35,2	31,4
Electric power consumption	kW	1,3	1,7	1,9	2,5	2,5	3,4	3,9	5,1	3,8	5,0	5,0	6,8	7,8	10,2
Coefficient of performance (Δt 10 K)		4,8	3,3	4,6	3,2	4,7	3,3	4,6	3,1	4,9	3,2	4,9	3,3	4,6	3,1
Coefficient of performance (Δt 5 K)		4,4	3,1	4,3	3,1	4,3	2,9	4,3	2,8	4,3	3,1	4,3	2,9	4,3	2,8
Volume flow rate – brine	m³/h	1,5		2,5		3,0		4,0		5,0		6,0		8,0	
Pressure drop (25% ethylene gl.)	mbar	110		100		110		160		100		110		160	
Temperature range – brine	°C	-6 to +20													
Volume flow rate – heating water	m³/h	0,6 to 1,2		1,0 to 2,0		1,3 to 2,5		1,9 to 3,6		2,1		2,6		3,7	
Pressure drop – heating water	mbar	10 to 40		10 to 60		40 to 90		50 to 140		70		110		150	
Temperature difference Δt	°C	5 to 10						7 to 10 (connected hydraulically in series)							
Flow temperature	°C	25 to 60 at brine 0 and 55 at brine -6													
Mains connection	V	3 x 230/ 400						2 x 3x 230/400							
Operating current max.	A	4,5		6,5		8		12		13		16		24	
Electric power consumption max.	kW	2,5		3,2		4,5		6,4		6,4		9,0		12,8	
Starting current (lasts for 2 periods)	A	26		40		51		70		46*		59*		82	
Pre-fuse, external	A	3x16		3 x 16		3 x 16		3 x 16		3 x 16		2 x 3x 16		2 x 3x 16	
Approx. weight (complete)	kg	95		102		110		116		190		206		116	
Refrigerant R407C	kg	1,5		2,0		2,0		2,4		4,0		4,0		4,8	

* delayed engagement of the second compressor

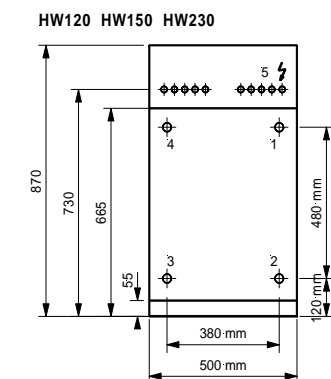
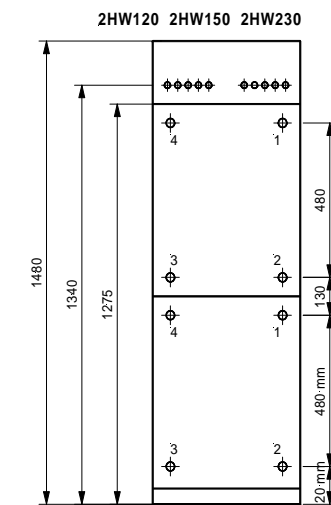
Electrical protection system: IP41

Heat exchanger: material no.1.4401, V4A steel made of chromium-nickel-molybdenum

Subject to alterations

Date 12/2010

Version 4.3 WT08 with HW90



Depth 520 mm
View of rear panel
1 = Heating flow
2 = Heating return
3 = Cold water discharge
4 = Cold water supply
5 = Electrical connections
All 1" except HW 230 5/4"