

Printout date: 19/09/2023															
Heat pump data sheet															
System Totals	AWB252 - Air to water					AWB252 - Air to water									
	Air temperature C	-5	-3	0	5	10	-5	-3	0	5	10				
Air humidity	80	80	80	80	80	80	80	80	80	80					
Heating flow C	70.0	70.0	70.0	70.0	70.0	65.0	65.0	65.0	65.0	65.0					
Heating return C	50.0	50.0	50.0	50.0	50.0	45.0	45.0	45.0	45.0	45.0					
Cooling flow C															
Cooling return C															
System performance data															
Heat kW	1412.2	1482.5	1534.0	1632.1	1747.2	1469.0	1510.2	1550.5	1649.9	1766.3					
Electric kW incl. 5 %	575.2	584.3	569.8	551.0	537.4	592.3	580.7	554.6	533.9	519.4					
Cooling kW	779.2	834.7	889.3	985.4	1090.6	876.8	929.5	940.1	1043.5	1155.5					
COPheat total	2.45	2.54	2.69	2.96	3.25	2.40	2.51	2.80	3.09	3.40					
Compressor units data alone - EN12900															
Electric compressors only	547.8	556.4	542.6	524.7	511.8	502.3	512.9	528.2	508.5	494.6					
COPheat compressor only	2.58	2.66	2.83	3.11	3.41	2.70	2.80	2.94	3.24	3.57					
Pump heating circuit															
Flow circuit m3/h	60.7	63.7	65.9	70.1	75.1	58.4	61.6	66.6	70.9	75.9					
Pressure drop Condenser kPa	39.9	44.0	47.1	53.3	61.1	36.9	41.1	48.1	54.5	62.4					
Pipe size - (choose the largest)	Dim flow:	70.1	Pipe :	DN100	Dim flow:	70.9	Pipe :	DN100							
Subcooler circuit															
Flow circuit m3/h	6.2	6.5	6.5	6.5	6.5	5.7	6.1	6.6	6.6	6.6					
Pipe size - (choose the largest)	Dim flow:	6.5	Pipe :	DN40	Dim flow:	6.6	Pipe :	DN40							
Pump cooling circuit - 40% glycol															
Flow circuit m3/h	-133.9	-143.4	-152.8	-169.3	-187.4	-135.2	-145.5	-161.5	-179.3	-198.6					
Pressure drop Evaporator kPa	20.9	24.0	27.3	33.5	41.0	21.3	24.7	30.5	37.5	46.0					
Pipe size - (choose the largest)	Dim flow:	-133.9	Pipe :	#N/A	Dim flow:	-135.2	Pipe :	#N/A							
Footprint, weight and sound															
Footprint aircoolers	8,6 x 18,4					8,6 x 18,4									
Footprint pumps and valves	2 x 2					2 x 2									
Footprint compressor unit	2,5 x 7					2,5 x 7									
Weight aircoolers	17280					17280									
Weight compressor unit - kg	10690					10690									
Sound level in 10 meters	57.1					57.1									
Hydro carbon systems with semihermetic screw compressor:															
Refrigerant gives you:															
Natural refrigerant environment friendly and low cost.															
Low pressure and by that standard components.															
Low discharge temperature.															
No oil change needed.															
Compressor simplicity gives you:															
No spareparts to be replaced.															
No continues service cost.															
High reliability.															
Measurement & Performance will be subject to EN12900															

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