

Technical Data **AQ240.2**

Performances*

		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	91.5	74.7	121.6	100.6	80.3
Cooling Capacity	kW	72.3	46.8	102.0	71.9	61.3
Power In	kW	19.7	28.4	20.0	29.2	19.5
COP	-	4.65	2.63	6.06	3.44	4.12
Operating Current	A	36.0	49.3	36.5	50.5	35.6

Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	2x3.5	l
Starting Current	191	A
Max. Op. Current	2x32	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	8.13	kg/s
Minimum Flow	6.10	kg/s
Brine Flow (B/W)**	6.34	kg/s
Minimum Flow	3.81	kg/s
Temp. Difference	3	K
Internal Volume	8.5	l
Max. Water Overp.	0.6	MPa
Max. Ref. Overp.	2.9	MPa
Pressure Drop**	4.0	m
Pump Motor	-	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	4.38	kg/s
Minimum Flow	2.91	kg/s
Temp. Difference	5	K
Internal Volume	8.5	l
Max. Water Overp.	0.6	MPa
Max. Ref. Overp.	4.2	MPa
Pump Ext. Head	1.0	m
Pump Motor	-	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	10	kg

Aux. Heater (Option)

Heating Capacity	-	kW
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Controls

Controller	pCO5	
EEV	Yes	
Water Probe	Yes	
SHW Probe/Output	Yes	
Mixing Probe/Output	Yes, 2x	
Outdoor Probe	Yes	
Dynamic Set Point	Yes	
Refrigerant Probe	2xPT	

Power Supply

Voltage	3x400V	V
Frequency	50	Hz
Max. Current	63	A

Connections and Dimensions

Hot Water, Brine	2"	"OD
He x Wi x De	120x101x72 cm	
Weight	420	kg

Limits

W/B Overpressure	0.6	MPa
Ref. Overpressure	4.2	MPa
Brine Min/Max	-5/+20	°C
Water Min/Max	20/60	°C

*B0W35, EN14511, condenser dT=5K

"B0" Brine Inlet 0°C

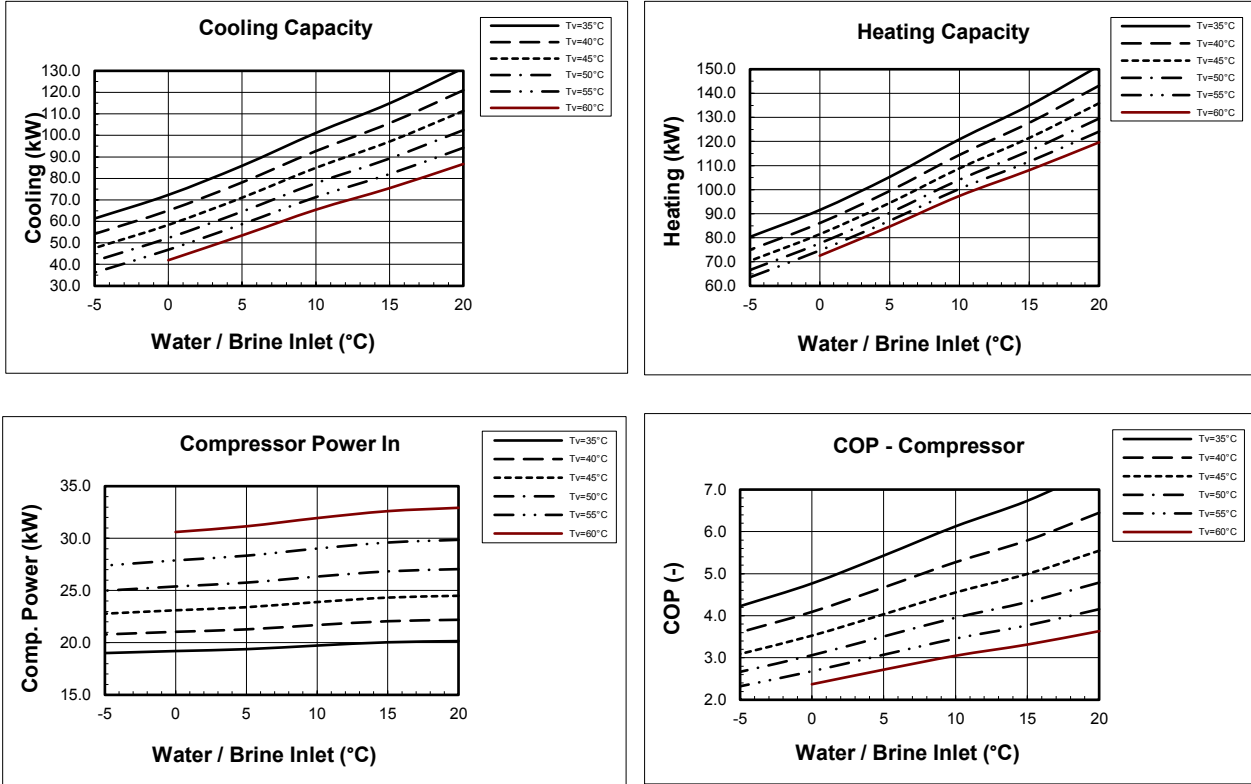
"W35" Water Outlet 35°C

Performance Tolerance acc. to EN14511

** Ethyleneglycol 30%

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Performance *



* Performance Tolerance $\pm 10\%$

Dimensions, Connections

- 1 Water / Brine Inlet 2" OD
- 2 Water / Brine Outlet 2" OD
- 3 Heating Inlet 2" OD
- 4 Heating Outlet 2" OD
- 5 4xPG21, 8xPG13.5

