

Technical Data **AQ22Z1**

Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	7.8	7.5	10.4	10.1	6.6
Cooling Capacity	kW	6.1	5.0	8.7	7.6	4.9
Power In**	kW	1.7	2.5	1.8	2.5	1.7
COP	-	4.5	3.0	5.9	4.0	3.8
Operating Current	A	8.4	11.8	8.4	11.8	8.5

Compressor

Type	Scroll	
Speed	2900	1/min
Charge POE oil	1.45	l
LRC***	76	A
Softstart (Option)	max. 40	A
Max. Op. Current	18.5	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0.61	kg/s
Minimum Flow	0.52	kg/s
Brine Flow (B/W)	0.40	kg/s
Minimum Flow	0.29	kg/s
Temp. Difference	3	K
Internal Volume	3.0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	3	m
Pump Motor	150	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.22	kg/s
Minimum Flow	0.18	kg/s
Temp. Difference	8	K
Internal Volume	3.0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4.2	MPa
Pump Ext. Head	3	m
Pump Motor	100	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	1.7	kg

Aux. Heater (Option)

Heating Capacity	1.5-6	kW
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Controls

Controller	pCOxs
EEV	Yes
Water Probe	Yes
SHW Probe/Output	Yes
Mixing Probe/Output	Yes
Outdoor Probe	Yes
Dynamic Set Point	Yes
Refrigerant Probe	1xPT

Power Supply

Voltage	1x230	V
Frequency	50	Hz
Max. Current	20	A

Connections and Dimensions

Hot Water, Brine	1, 1	"OD
He x Wi x De	120x56x72	cm
Weight	160	kg

Limits

W/B Overpressure	0.25	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

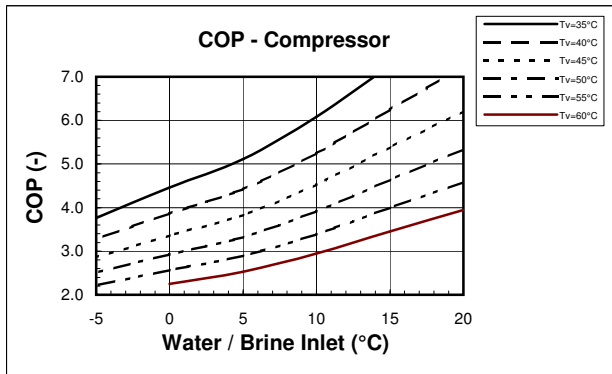
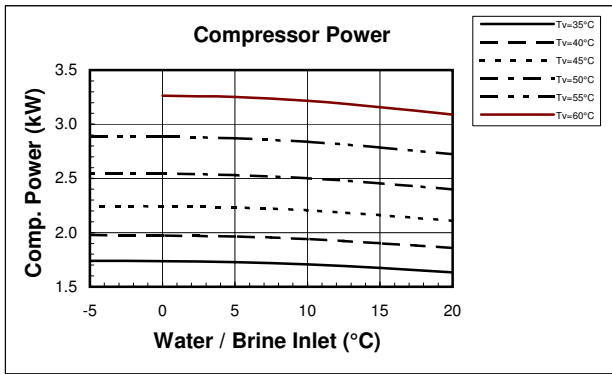
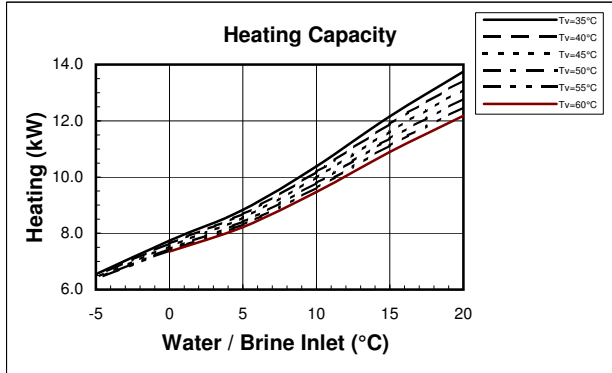
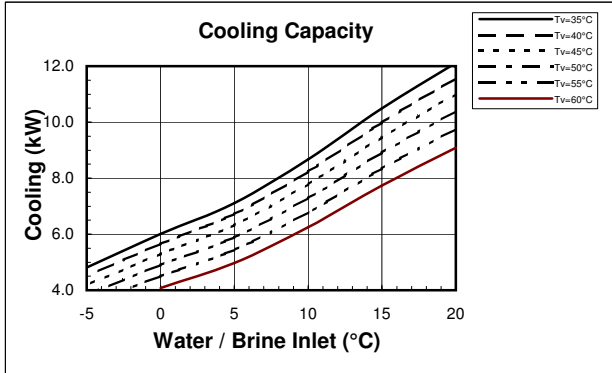
"W35" Water Outlet 35°C

Performance Tolerance ±10%

*** Locked Rotor Current

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Performance *



* Performance Tolerance $\pm 10\%$

Dimensions, Connections

1. Water / Brine Inlet 1" OD
2. Water / Brine Outlet 1" OD
3. Hot Water Outlet 1" OD
4. Hot Water Inlet 1" OD
5. 2xPG16, 4xPG13.5

