

Technical Data **AQ120.2Z**

Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	46.8	43.3	64.6	57.7	40.0
Cooling Capacity	kW	36.0	28.5	53.4	42.4	29.3
Power In	kW	11.3	15.2	11.6	15.7	11.1
COP	-	4.2	2.9	5.6	3.7	3.6
Operating Current	A	19.9	25.6	20.1	26.4	19.9

Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	2x2.8	l
LRC***	102	A
Max. Op. Current	2x22.2	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	3.38	kg/s
Minimum Flow	3.19	kg/s
Brine Flow (B/W)	2.28	kg/s
Minimum Flow	1.72	kg/s
Temp. Difference	3	K
Internal Volume	7.9	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	10.0	m
Pump Motor	1100	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	1.04	kg/s
Minimum Flow	1.04	kg/s
Temp. Difference	10.0	K
Internal Volume	6.9	l
Max. Water Overp.	250.0	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	3.0	m
Pump Motor	400.0	W

Refrigerant Circuit

Refrigerant	R407c	
Charge	9	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	50	A

Connections and Dimensions

Hot Water, Brine	5/4"	"OD
He x Wi x De	120x101x72	cm
Weight	420	kg

Limits

W/B Overpressure	0.25	MPa
Ref. Overpressure	2.8	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

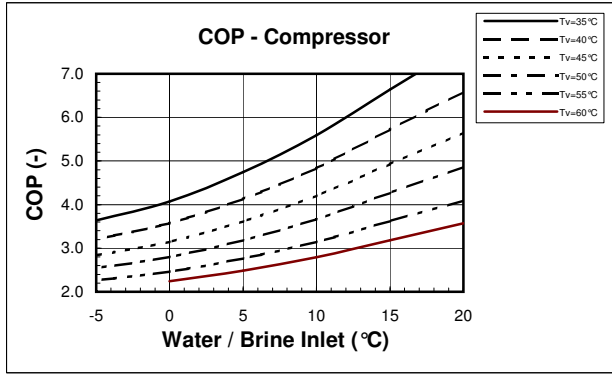
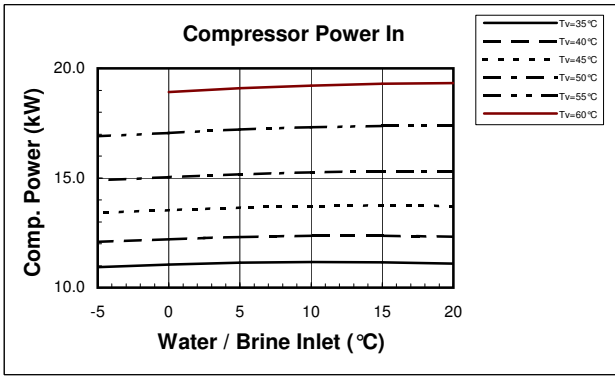
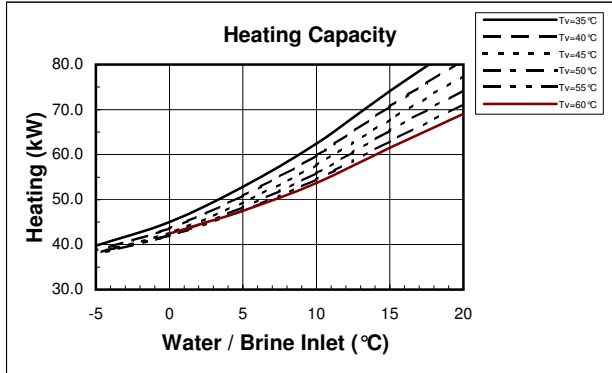
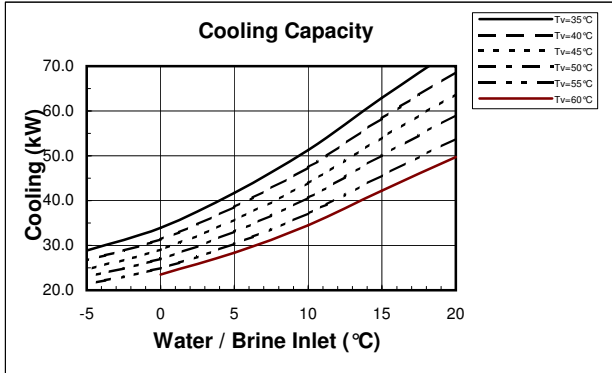
Performance Tolerance acc. to EN14511

*** Locked Rotor Current

Other temperature conditions acc. to EN255

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Performance *



* Performance Tolerance $\pm 10\%$

Dimensions, Connections

- EI Water / Brine Inlet 5/4" OD
- EO Water / Brine Outlet 5/4" OD
- CO Hot Water Outlet 5/4" OD
- CI Hot Water Inlet 5/4" OD
- 4xPG16, 8xPG13.5

