

Technical Data **AQ180.2Z**

Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	64.4	61.1	90.9	80.7	56.8
Cooling Capacity	kW	49.2	39.9	75.0	58.6	42.0
Power In	kW	15.6	21.7	16.4	22.5	15.3
COP	-	4.1	2.8	5.5	3.6	3.7
Operating Current	A	26.5	36.0	27.8	37.3	25.9

Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	2x2.8	l
LRC***	126	A
Max. Op. Current	2x30.2	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	4.68	kg/s
Minimum Flow	4.49	kg/s
Brine Flow (B/W)	2.39	kg/s
Minimum Flow	2.35	kg/s
Temp. Difference	4	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	1.46	kg/s
Minimum Flow	1.46	kg/s
Temp. Difference	10.0	K
Internal Volume	6.9	l
Max. Water Overp.	250	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

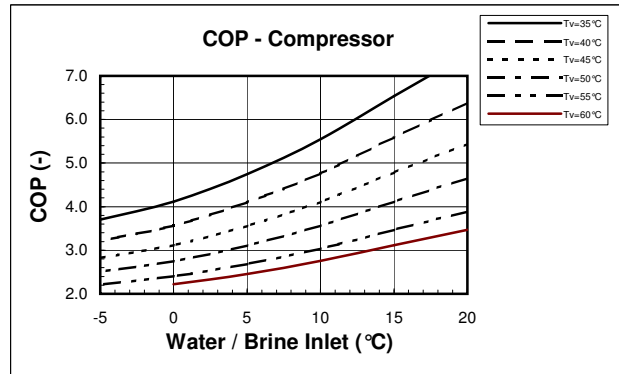
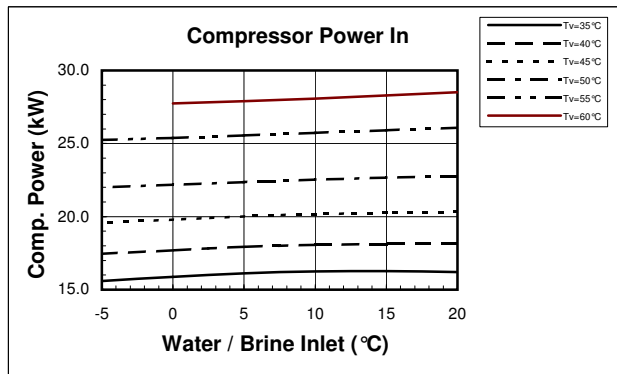
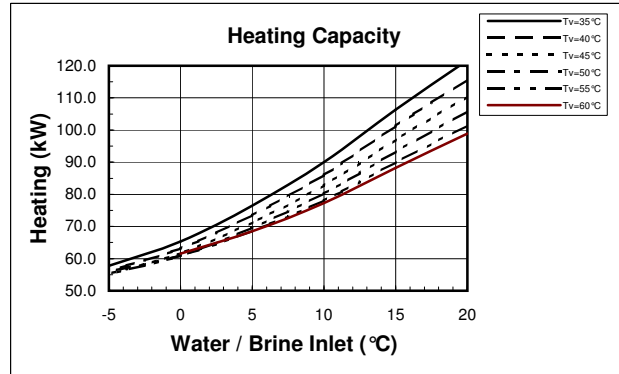
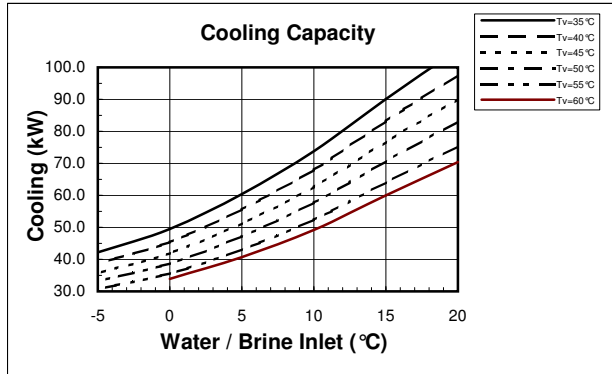
Performance Tolerance acc. to EN14511

*** 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

