

Technical Data AQ30Z

Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	11.4	10.7	14.9	13.8	9.7
Cooling Capacity	kW	8.9	7.0	12.2	10.1	7.1
Power In	kW	2.6	3.7	2.7	3.8	2.6
COP	-	4.4	2.9	5.5	3.7	3.7
Operating Current	A	4.7	6.5	5.0	6.6	4.7

Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	1.7	l
LRC***	48	A
Max. Op. Current	11.2	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0.81	kg/s
Minimum Flow	0.73	kg/s
Brine Flow (B/W)	0.56	kg/s
Minimum Flow	0.42	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	2.8	m
Pump Motor	150	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.32	kg/s
Minimum Flow	0.26	kg/s
Temp. Difference	8.0	K
Internal Volume	3.2	l
Max. Water Overp.	250.0	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	3.0	m
Pump Motor	100	W

Refrigerant Circuit

Refrigerant	R407c	
Charge	1.9	kg

Aux. Heater (Option)

Heating Capacity	4.5-7.5	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	3x400	V
Frequency	50	Hz
Max. Current	13	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	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

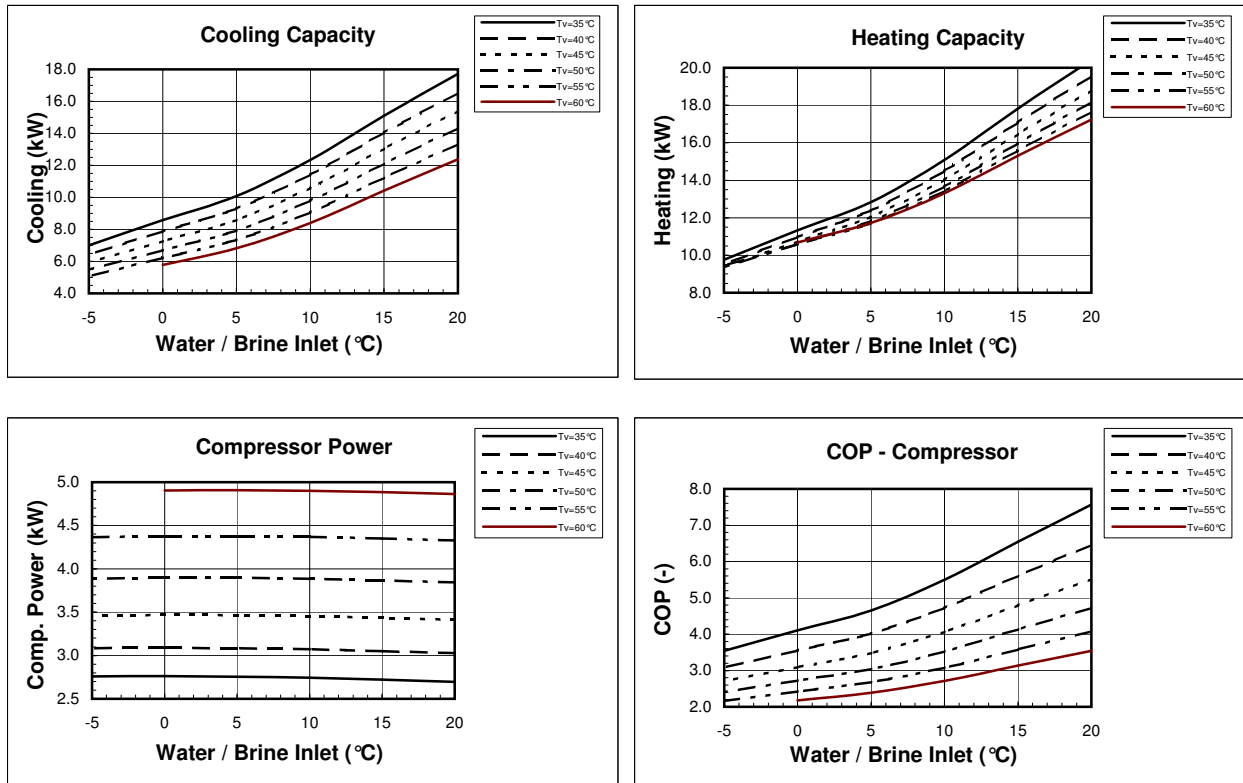
Performance Tolerance acc. to EN14511

*** Locked Rotor Current

Other temperature conditions acc. to EN255

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Performance *



* Performance Tolerance $\pm 10\%$

Dimensions, Connections

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

