

## Technical Data **AQ37Z1**

### Performances

		<b>B0W35*</b>	<b>B0W50</b>	<b>W10W35*</b>	<b>W10W50</b>	<b>B-5W35</b>
Heating Capacity	kW	14.1	13.5	18.4	17.3	12.2
Cooling Capacity	kW	10.9	9.0	15.0	12.6	9.1
Power In	kW	3.3	4.5	3.4	4.7	3.2
COP	-	4.3	3.0	5.4	3.7	3.9
Operating Current	A	16.0	23.0	16.0	23.0	16.0

### Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	1.7	l
LRC***	115	A
Softstart (Option)	max. 45	A
Max. Op. Current	39	A

### Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	1.01	kg/s
Minimum Flow	0.90	kg/s
Brine Flow (B/W)	0.72	kg/s
Minimum Flow	0.52	kg/s
Temp. Difference	3	K
Internal Volume	5.1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	3.0	m
Pump Motor	200	W

### Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.40	kg/s
Minimum Flow	0.32	kg/s
Temp. Difference	8.0	K
Internal Volume	4.1	l
Max. Water Overp.	250.0	kPa
Max. Ref. Overp.	2.8	MPa
Pump Ext. Head	3.0	m
Pump Motor	150.0	W

### Refrigerant Circuit

Refrigerant	R407c	
Charge	2.1	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	35	A

### Connections and Dimensions

Hot Water, Brine	1, 5/4"	"OD
He x Wi x De	120x56x72	cm
Weight	170	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

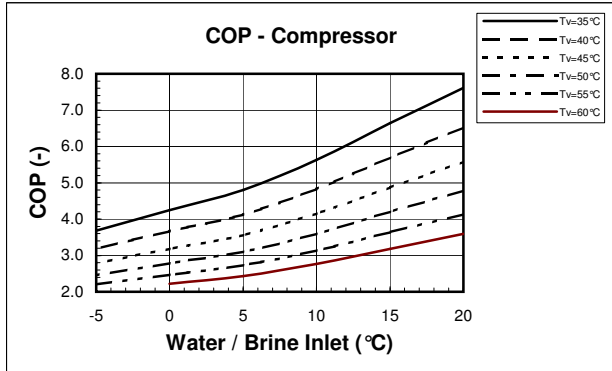
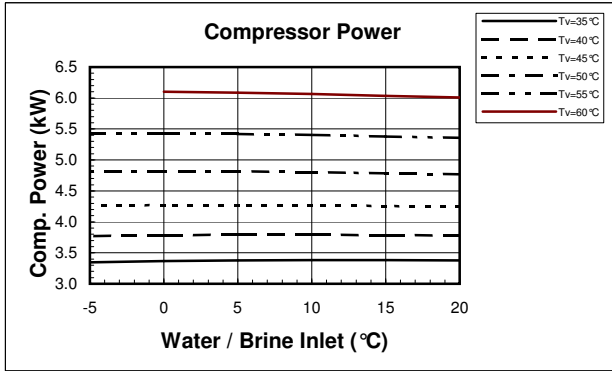
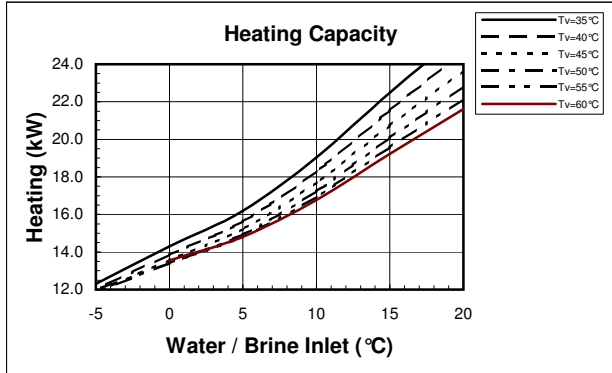
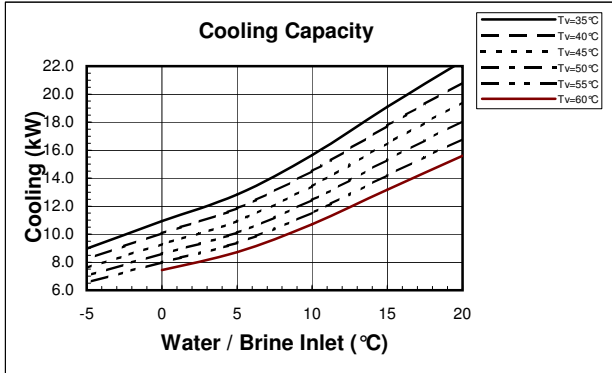
"W35" Water Outlet 35°C

Performance Tolerance ±10%

\*\*\* Locked Rotor Current

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### Performance \*



\* Performance Tolerance  $\pm 10\%$

### Dimensions, Connections

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

