

## Technical Data AQ45Z

### Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	17.2	16.2	22.5	20.9	15.0
Cooling Capacity	kW	13.5	11.0	18.5	15.4	11.4
Power In	kW	3.9	5.4	4.1	5.7	3.8
COP	-	4.4	3.0	5.5	3.7	4.0
Operating Current	A	6.7	9.0	7.1	9.4	6.5

### Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	1.7	l
LRC***	66	A
Max. Op. Current	14.1	A

### Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	1.23	kg/s
Minimum Flow	1.11	kg/s
Brine Flow (B/W)	0.88	kg/s
Minimum Flow	0.65	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	2.5	m
Pump Motor	400	W

### Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.49	kg/s
Minimum Flow	0.39	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	W

### Refrigerant Circuit

Refrigerant	R407c	
Charge	2.1	kg

### Aux. Heater (Option)

Heating Capacity	1.5-7.5	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	16	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

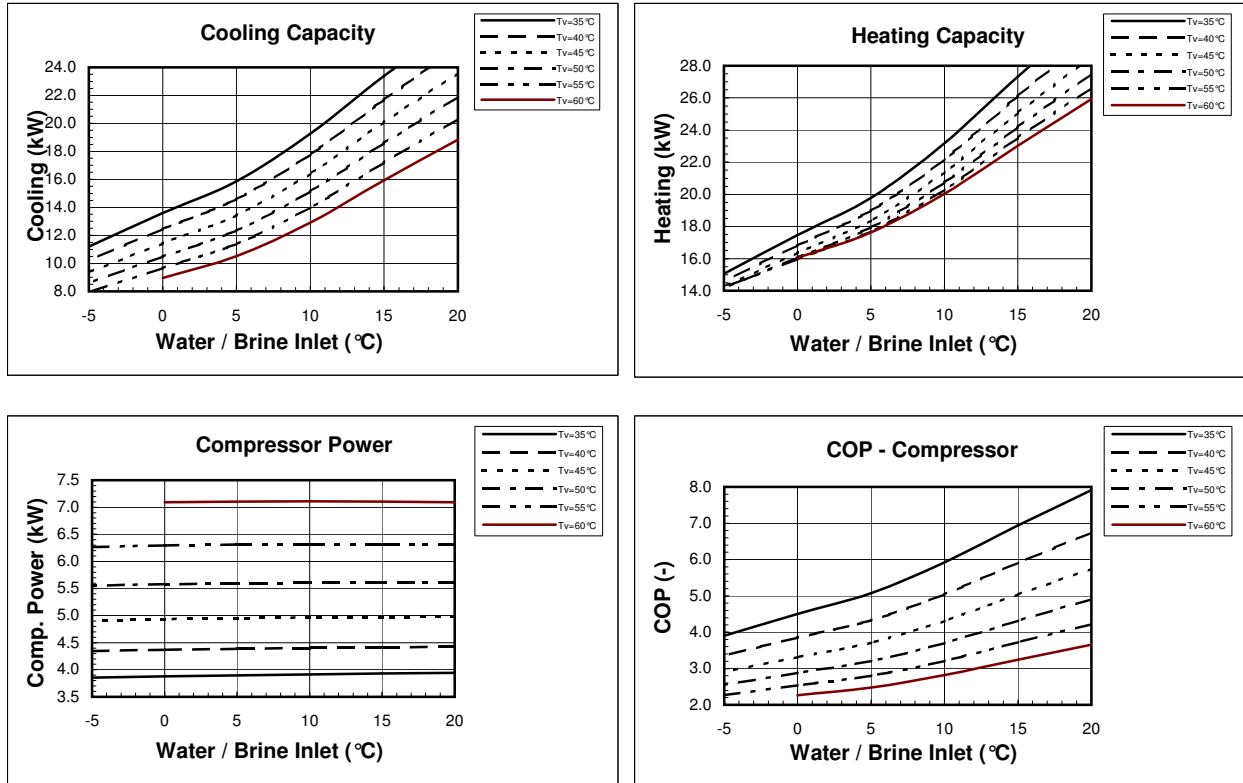
Performance Tolerance acc. to EN14511

\*\*\* Locked Rotor Current

Other temperature conditions acc. to EN255

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### Performance \*



\* Performance Tolerance  $\pm 10\%$

### Dimensions, Connections

1. Water / Brine Inlet 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

