

## Technical Data **AQ45I**

### Performances

		<b>B0W35*</b>	<b>B0W50</b>	<b>W10W35*</b>	<b>W10W50</b>	<b>B-5W35*</b>
Heating Capacity	kW	14.0	12.9	19.2	17.4	11.8
Cooling Capacity	kW	11.2	9.3	16.4	13.5	9.1
Power In	kW	3.0	3.9	3.0	4.1	3.0
COP	-	4.60	3.29	6.34	4.23	3.96
Operating Current	A	7.3	8.7	7.3	9.0	7.2

### Compressor

Type	BLDC Inverter	
Speed	30-90	1/min
Charge POE oil	1.3	l
LRC***	-	A
Max. Op. Current	15	A

### Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	1.62	kg/s
Minimum Flow	1.48	kg/s
Brine Flow (B/W)	0.89	kg/s
Minimum Flow	0.54	kg/s
Temp. Difference	3	K
Internal Volume	5.1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4.20	MPa
Pump Ext. Head	3.5	m
Pump Motor	250	W

### Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.62	kg/s
Minimum Flow	0.46	kg/s
Temp. Difference	5.0	K
Internal Volume	4.1	l
Max. Water Overp.	250.0	kPa
Max. Ref. Overp.	4.2	MPa
Pump Ext. Head	3.0	m
Pump Motor	100.0	W

### Refrigerant Circuit

Refrigerant	R410a	
Charge	2.4	kg

### Aux. Heater (Option)

Heating Capacity	7.5	kW
------------------	-----	----

### 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 (AH)	20 (28)	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	4.2	MPa
Brine Min/Max	-5/+10	°C
Water Min/Max	20/60	°C

\*B0W35, acc. to EN14511, at 60rps

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

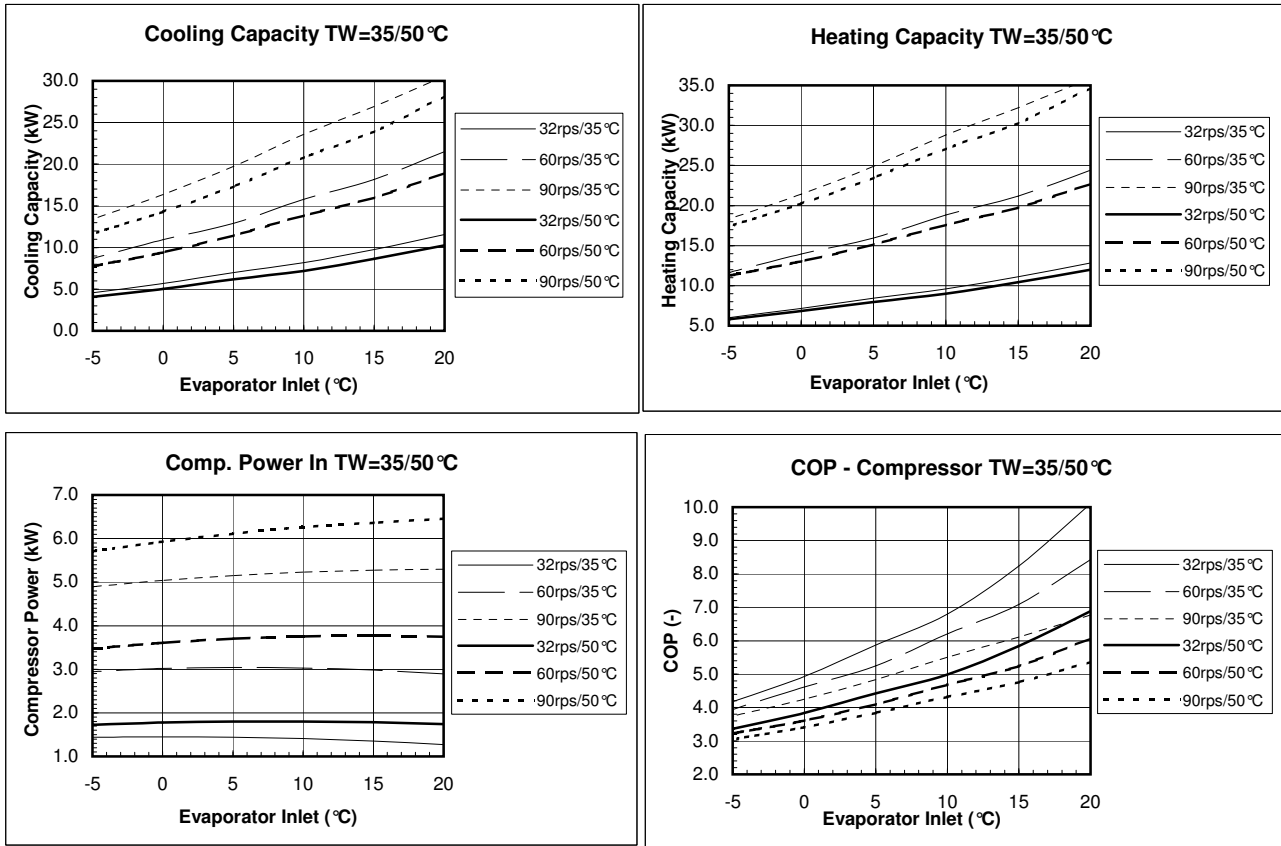
Performance Tolerance EN14511

\*\* Effective Power acc. to EN14511

\*\*\* Locked Rotor Current

## Technical Data AQ45I

### 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

