

Technical Data AQ37IC

Performances*

		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	10,52	9,62	14,16	12,57	7,75
Cooling Capacity	kW	8,42	6,67	12,05	9,42	5,63
Power In**	kW	2,25	3,10	2,26	3,30	2,27
COP	-	4,68	3,10	6,28	3,81	3,42
Operating Current	A	4,6	6,2	4,6	6,5	4,7

Compressor

Type	BLDC Inverter	
Speed	20-100	1/min
Charge POE oil	0,95	l
LRC***	-	A
Max. Op. Current	16	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	1,44	kg/s
Minimum Flow	1,08	kg/s
Brine Flow (B/W)	0,67	kg/s
Minimum Flow	0,40	kg/s
Temp. Difference	3	K
Internal Volume	5,1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4,2	MPa
Pump Ext. Head	5,0	m
Pump Motor Max.	130	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,46	kg/s
Minimum Flow	0,35	kg/s
Temp. Difference	5	K
Internal Volume	4,1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4	MPa
Pump Ext. Head	5	m
Pump Motor Max.	70	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	1,5	kg

Aux. Heater (Option)

Heating Capacity	4,5-6	kW
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Sanitary Hot Water

storage volume	170	l
max. op. pressure	0,7	MPa

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	17	A
incl. auxiliary heater	20	A

Connections and Dimensions

Hot Water, Brine	1"	"OD
He x Wi x De	185x69x65 cm	
Weight	275	kg

Limits

W/B Overpressure	0,25	MPa
Ref. Overpressure	4,2	MPa
Brine Min/Max	-5/+20	°C
Water Min/Max	20/60	°C

*B0W35, acc. to EN14511, at 60rps

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

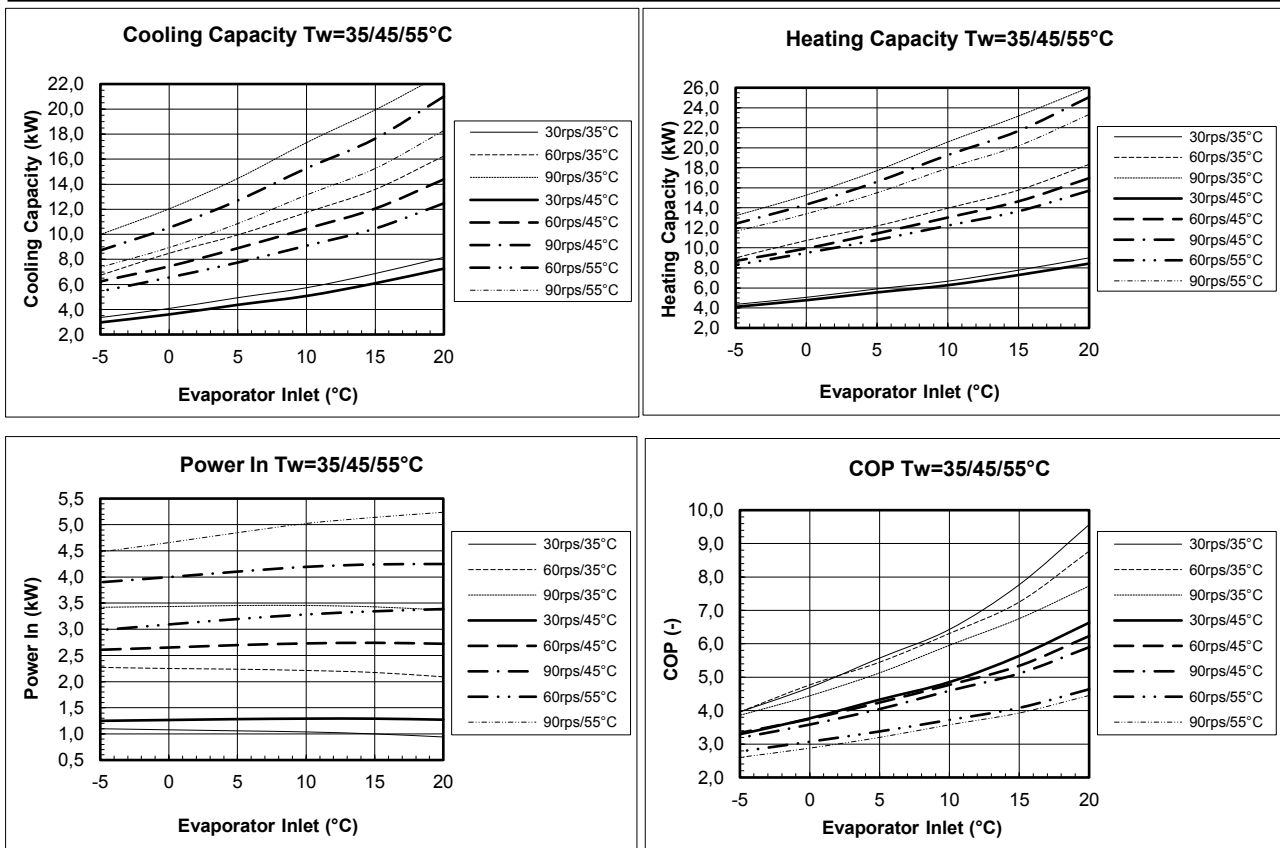
Performance Tolerance EN14511

** Effective Power acc. to EN14511

*** Locked Rotor Current

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Performance *



* Performance Tolerance $\pm 10\%$

Dimensions, Connections

1 2 8 7 6 9 3 4

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. El. Bushings

