

Technical Data **AQ30IC**

Performances

		B0W35*	B0W50	W10W35*	W10W50	B-5W35
Heating Capacity	kW	7.89	7.13	10.33	9.56	5.73
Cooling Capacity	kW	6.32	5.09	8.79	7.42	4.18
Power In	kW	1.72	2.19	1.69	2.30	1.69
COP	-	4.59	3.26	6.10	4.16	3.38
Operating Current	A	8.8	10.8	8.7	11.3	8.7

Compressor

Type	BLDC Inverter	
Speed	30-90	1/min
Charge POE oil	0.9	l
LRC***	-	A
Max. Op. Current	12	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0.89	kg/s
Minimum Flow	0.79	kg/s
Brine Flow (B/W)	0.50	kg/s
Minimum Flow	0.30	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	3.5	m
Pump Motor Max.	250	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.34	kg/s
Minimum Flow	0.26	kg/s
Temp. Difference	5	K
Internal Volume	4.1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4	MPa
Pump Ext. Head	3	m
Pump Motor Max.	100	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	1.7	kg

Aux. Heater (Option)

Heating Capacity 3-4 (4,5-6) kW

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 1x230 (3x400) V
Frequency 50 Hz
Max. Current 25/0/0 A
incl. auxiliary heater 25/10/10 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

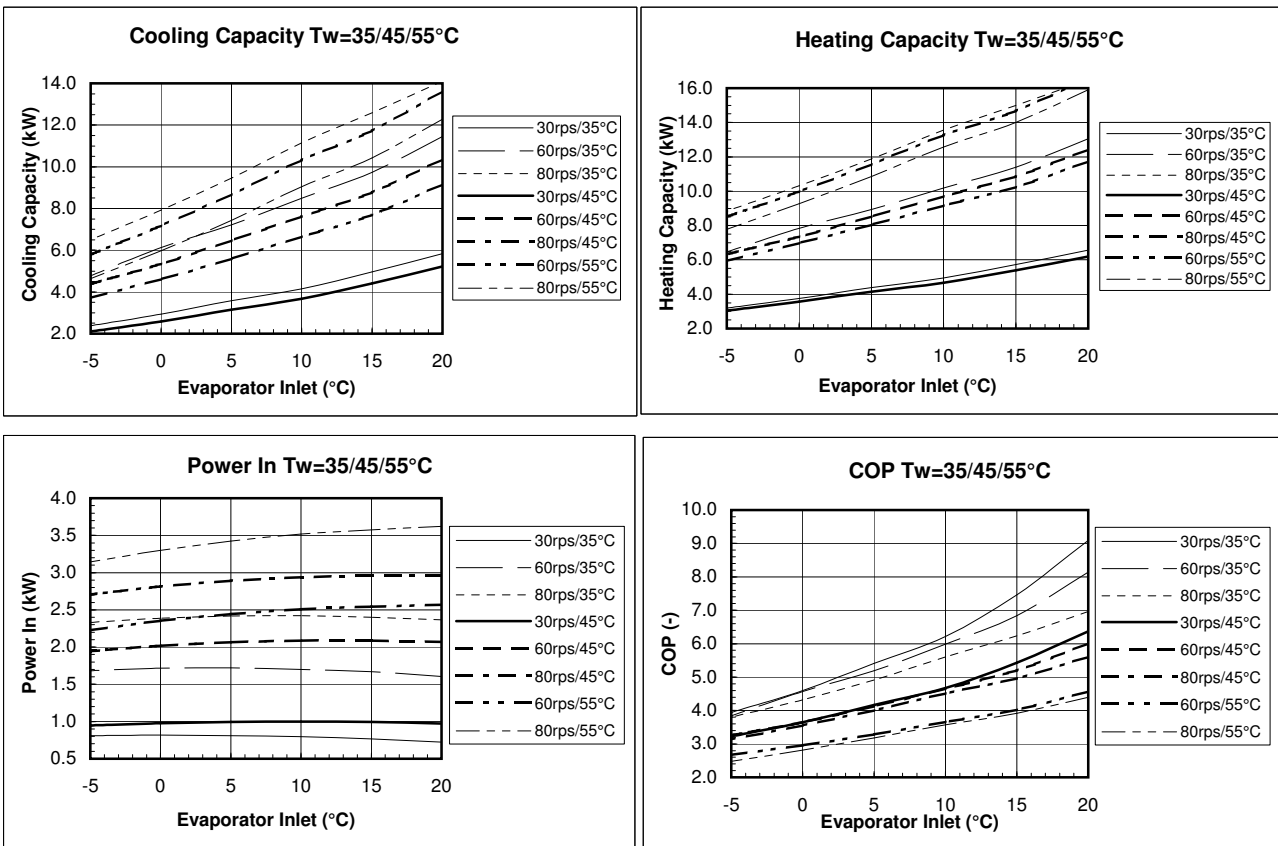
Performance Tolerance EN14511

** Effective Power acc. to EN14511

*** Locked Rotor Current

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Performance *

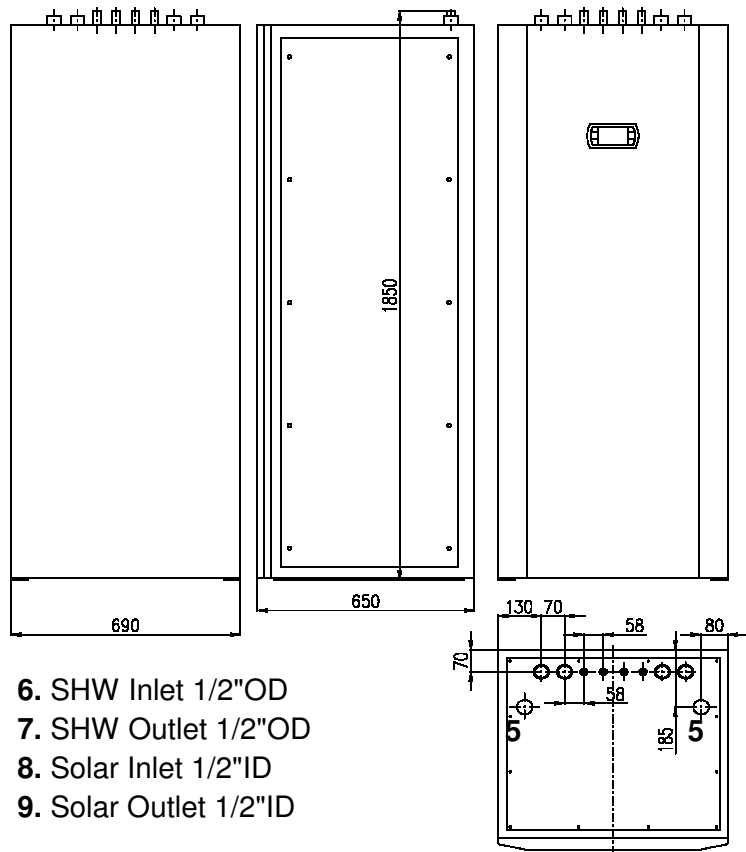
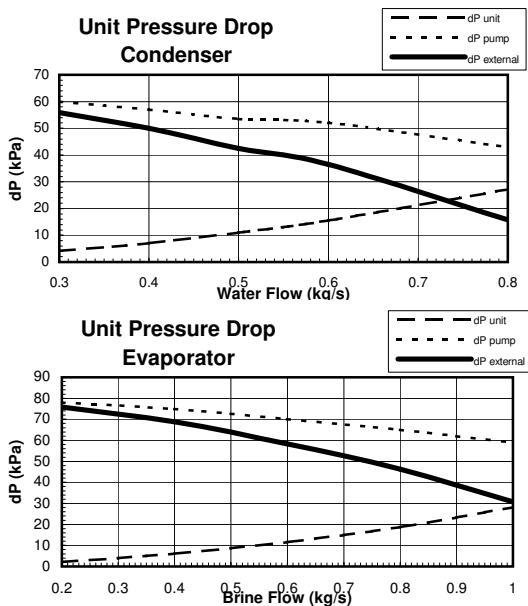


* Performance Tolerance $\pm 10\%$

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



6. SHW Inlet 1/2"OD
7. SHW Outlet 1/2"OD
8. Solar Inlet 1/2"ID
9. Solar Outlet 1/2"ID