

Technical Data AQ26IC

Performances*

		B0W35	B0W55	W10W35	W10W50	B-5W35
Heating Capacity	kW	7,62	6,88	10,24	9,21	5,34
Cooling Capacity	kW	6,02	4,63	8,62	6,80	3,80
Power In	kW	1,70	2,35	1,72	2,51	1,64
COP	-	4,49	2,93	5,95	3,67	3,25
Operating Current	A	8,2	11,1	8,3	11,8	8,0

Compressor

Type	BLDC Inverter	
Speed	20-75	1/min
Charge POE oil	0,9	l
LRC***	-	A
Max. Op. Current	12	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	1,03	kg/s
Minimum Flow	0,77	kg/s
Brine Flow (B/W)	0,48	kg/s
Minimum Flow	0,29	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	4,0	m
Pump Motor Max.	70	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,36	kg/s
Minimum Flow	0,25	kg/s
Temp. Difference	5	K
Internal Volume	4,1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4	MPa
Pump Ext. Head	6	m
Pump Motor Max.	70	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	1,3	kg

Aux. Heater (Option)

Heating Capacity	3-4 (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	1x230 (3x400) V
Frequency	50 Hz
Max. Current	20/0/0 A
incl. auxiliary heater	20/10/10 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

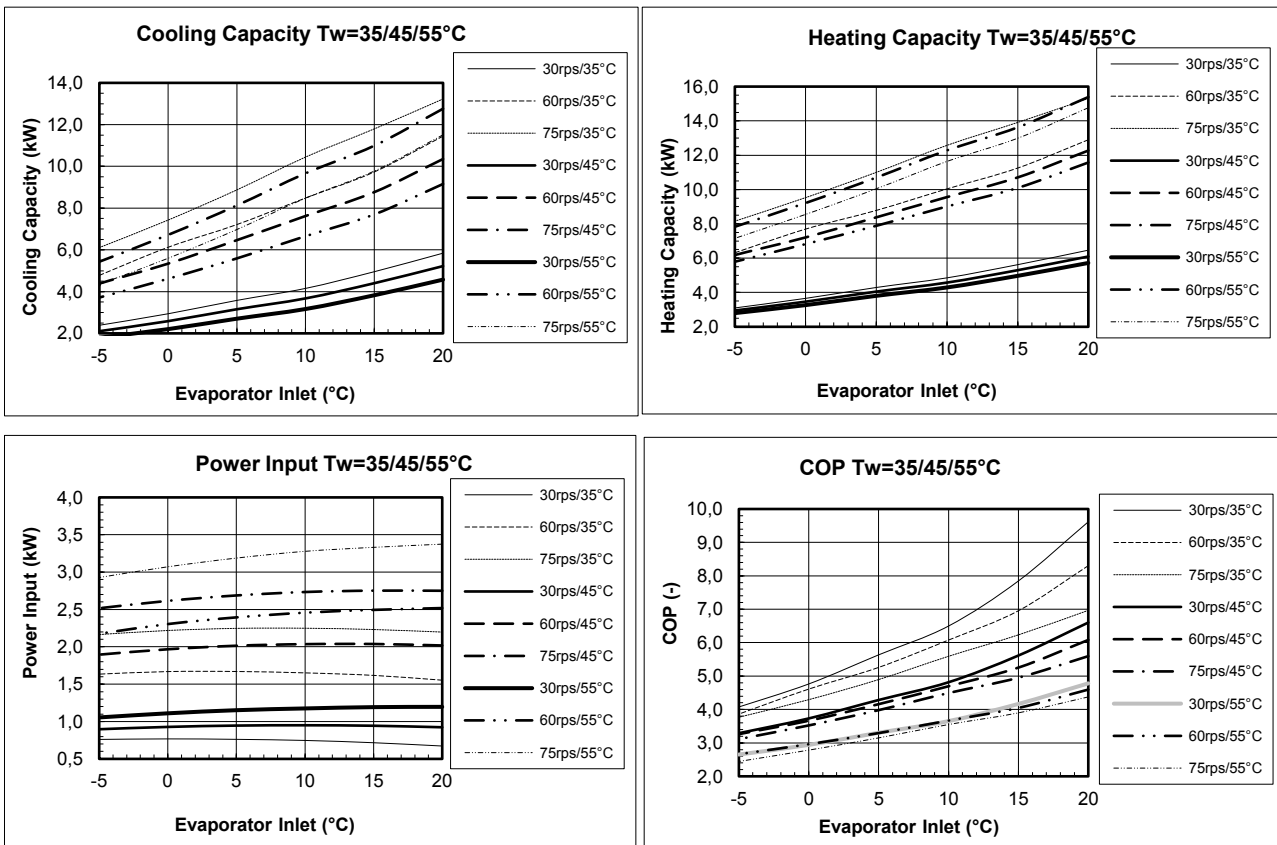
Performance Tolerance EN14511

** Effective Power acc. to EN14511

*** Locked Rotor Current

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Performance *



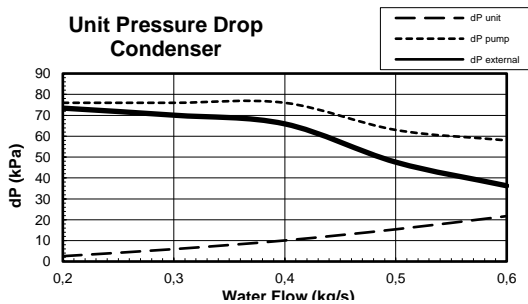
* Performance Tolerance $\pm 10\%$

Dimensions, Connections

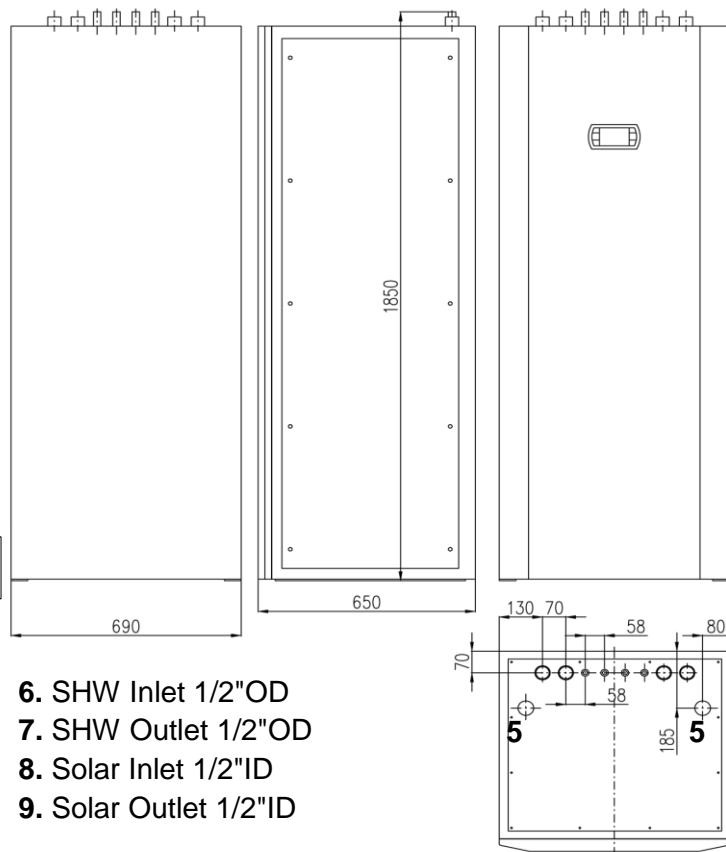
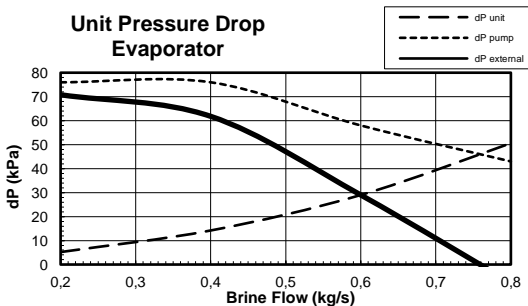
1 2 8 7 6 9 3 4

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

Unit Pressure Drop Condenser



Unit Pressure Drop Evaporator



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