

Technical Data **AQ30I**

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	rpm
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.	4.20	MPa
Pump Ext. Head	3.5	m
Pump Motor	250	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.34	kg/s
Minimum Flow	0.26	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	1.7	kg

Aux. Heater (Option)

Heating Capacity	6	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	1x230	V
Frequency	50	Hz
Max. Current	25	A

Connections and Dimensions

Hot Water, Brine	1"	"OD
He x Wi x De	120x56x72	cm
Weight	160	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 60rpm

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

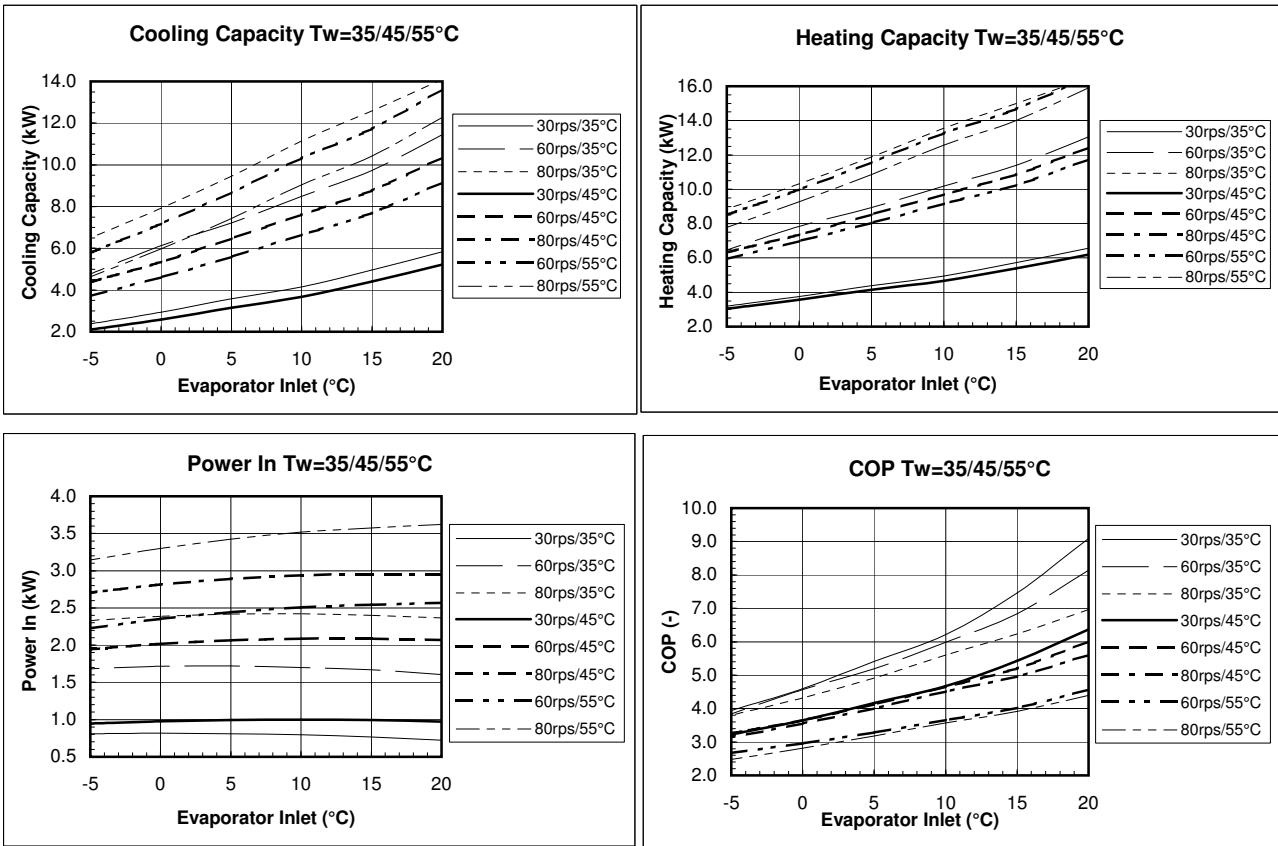
Performance Tolerance EN14511

** **Effective Power acc. to EN14511**

*** Locked Rotor Current

Technical Data AQ30I

Performance *

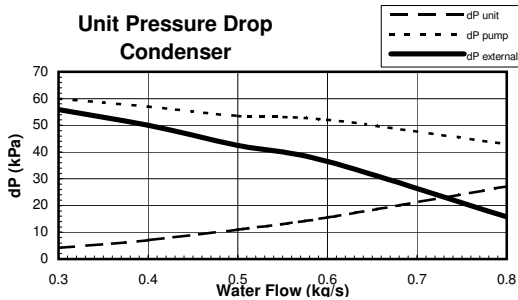


* Performance Tolerance $\pm 10\%$

Dimensions, Connections

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. 2xPG16, 4xPG13.5

Unit Pressure Drop Condenser



Unit Pressure Drop Evaporator

