

Technical Data AQ60I

Performances

		B0W35*	B0W50	W10W35*	W10W50	B0W35***
Heating Capacity	kW	20.56	19.30	27.44	25.58	34.74
Cooling Capacity	kW	16.45	13.80	23.35	19.85	27.12
Power In	kW	4.36	5.75	4.34	5.97	7.86
COP	-	4.71	3.36	6.32	4.28	4.42
Operating Current	A	9.4	11.7	9.4	12.0	15.1

Compressor

Type	BLDC Inverter Scroll	
Speed	30-100	rpm
Charge PVE oil	1.4	l
LRC	-	A
Max. Op. Current	35	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	2.37	kg/s
Minimum Flow	2.09	kg/s
Brine Flow (B/W)	1.31	kg/s
Minimum Flow	0.79	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	5.0	m
Pump Motor	450	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.92	kg/s
Minimum Flow	0.69	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	130.0	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	2.5	kg

Aux. Heater (Option)

Heating Capacity	7.5	kW
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Controls

Controller	pCO5	
EEV	1+1(EVI)	
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)	25 (35)	A

Connections and Dimensions

Hot Water, Brine	1, 5/4"	"OD
He x Wi x De	120x56x72	cm
Weight	190	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 60rpm

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

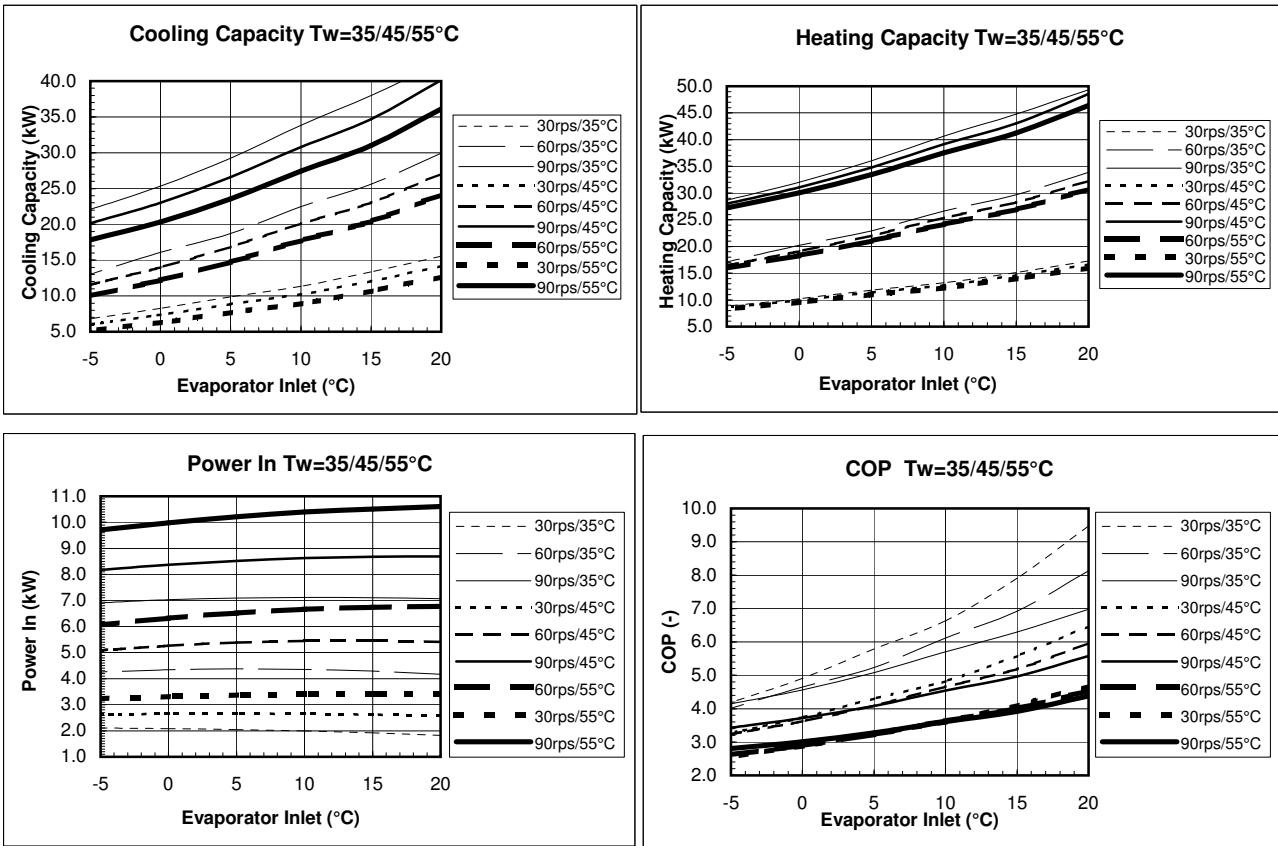
Performance Tolerance EN14511

** Effective Power acc. to EN14511

*** Maximum Performance at 100rpm

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Performance *

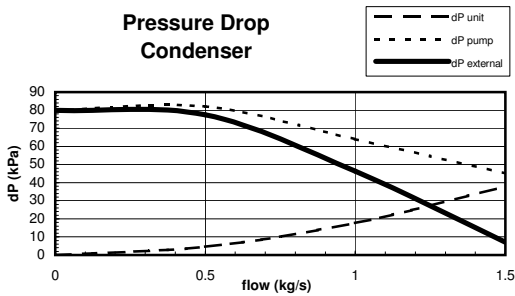


* Performance Tolerance $\pm 10\%$

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

Pressure Drop Condenser



Pressure Drop Evaporator

