Technical Data AQ17I

Performances

		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	2.95	2.65	3.79	3.49	2.25
Cooling Capacity	kW	2.33	1.72	3.17	2.51	1.38
Power In	kW	0.69	0.99	0.69	1.05	0.94
COP	-	4.29	2.68	5.51	3.33	2.41
Operating Current	A	3.9	5.2	3.9	5.4	4.9

Compressor

Type	BLDC Inverter	
Speed	15-65	rps
Charge POE oil	0.9	l
LRC***	-	A
Max. Op. Current	12	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0.38	kg/s
Minimum Flow	0.28	kg/s
Brine Flow (B/W)	0.19	kg/s
Minimum Flow	0.11	kg/s
Temp. Difference	3	K
Internal Volume	2.0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4.20	MPa
Pump Ext. Head	7.0	m
Pump Motor	70	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.13	kg/s
Minimum Flow	0.09	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	7.0	m
Pump Motor	70.0	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	0.75	kg

Aux. Heater (Option)

Heating Capacity	-	kW

Controls

Controller	uPC
EEV	Yes
Water Probe	Yes
SHW Probe/Output	Yes
Mixing Probe/Output	No
Outdoor Probe	Yes
Dynamic Set Point	Yes
Refrigerant Probe	2xPT

Power Supply

Voltage	1x230	V
Frequence	50	Hz
Max. Current	16	A
Incl. Aux. Heater	-	A

Connections and Dimensions

Hot Water, Brine	1"	"OD
He x Wi x De	82x53x53	cm
Weight	60	kg

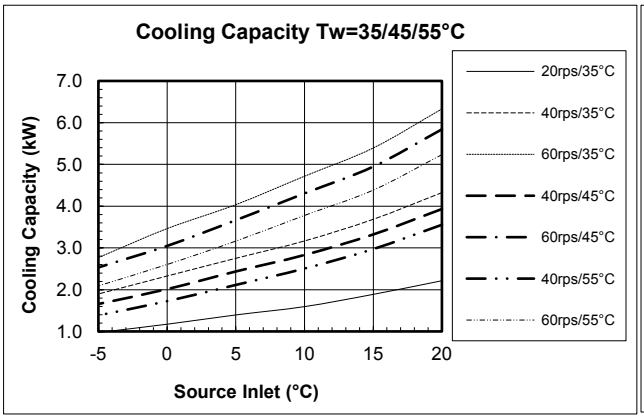
Limits

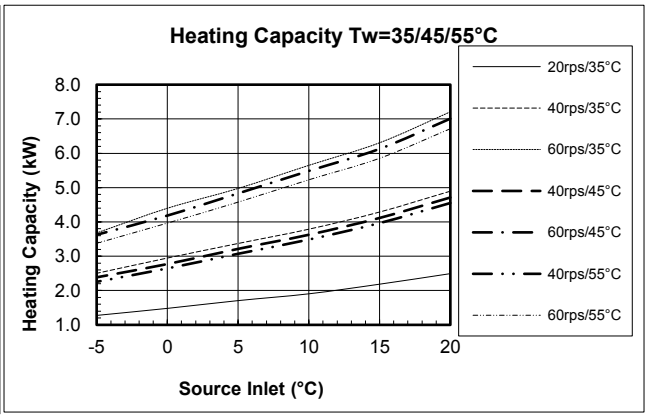
W/B Overpressure	0.25	MPa
Ref. Overpressure	4.2	MPa
Brine Min/Max	-5/+20	°C
Water Min/Max	20/60	°C

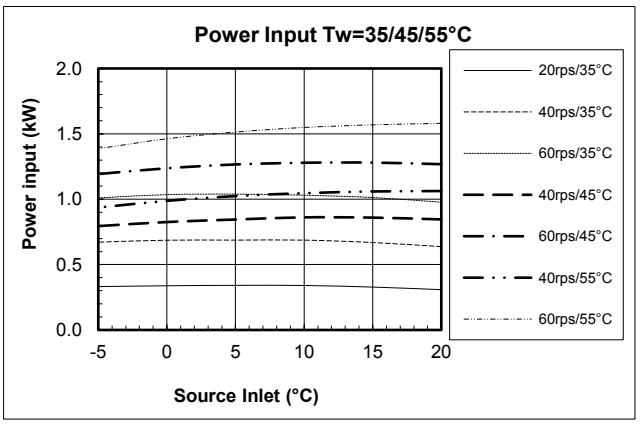
*B0W35, acc. to EN14511, at 40rps
"B0" Brine Inlet 0°C
"W35" Water Outlet 35°C
Performance Tolerance EN14511
**** Effective Power acc. to EN14511**
*** Locked Rotor Current

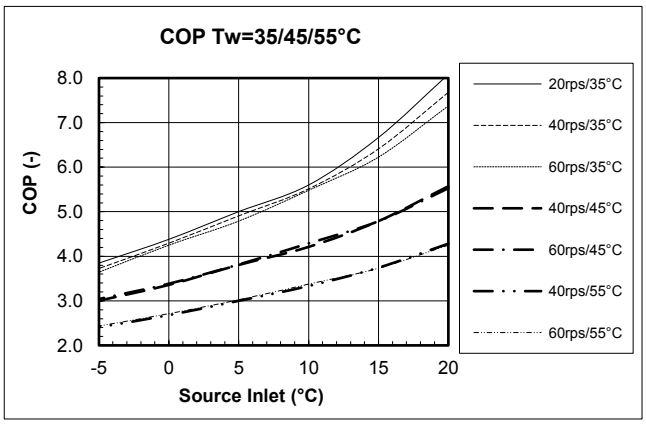
Technical Data AQ17I

Performance *









* Performance Tolerance ±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