

Technical Data AQ17I

Performances*	rps	40	40	40	40	40
		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	2.95	2.65	3.79	3.49	2.50
Cooling Capacity	kW	2.33	1.72	3.17	2.51	1.90
Power In	kW	0.66	0.96	0.66	1.02	0.64
COP	-	4.49	2.76	5.77	3.43	3.90
Operating Current	A	3.7	5.0	3.7	5.3	3.66

Compressor

Type	BLDC Inverter	
Speed	15-70	rps
Charge Oil FW50S	0.45	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)	0.20	kg/s
Minimum Flow	0.12	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	R32	
Charge	0.8	kg

Aux. Heater (Option)

Heating Capacity	-	kW
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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
Frequency	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

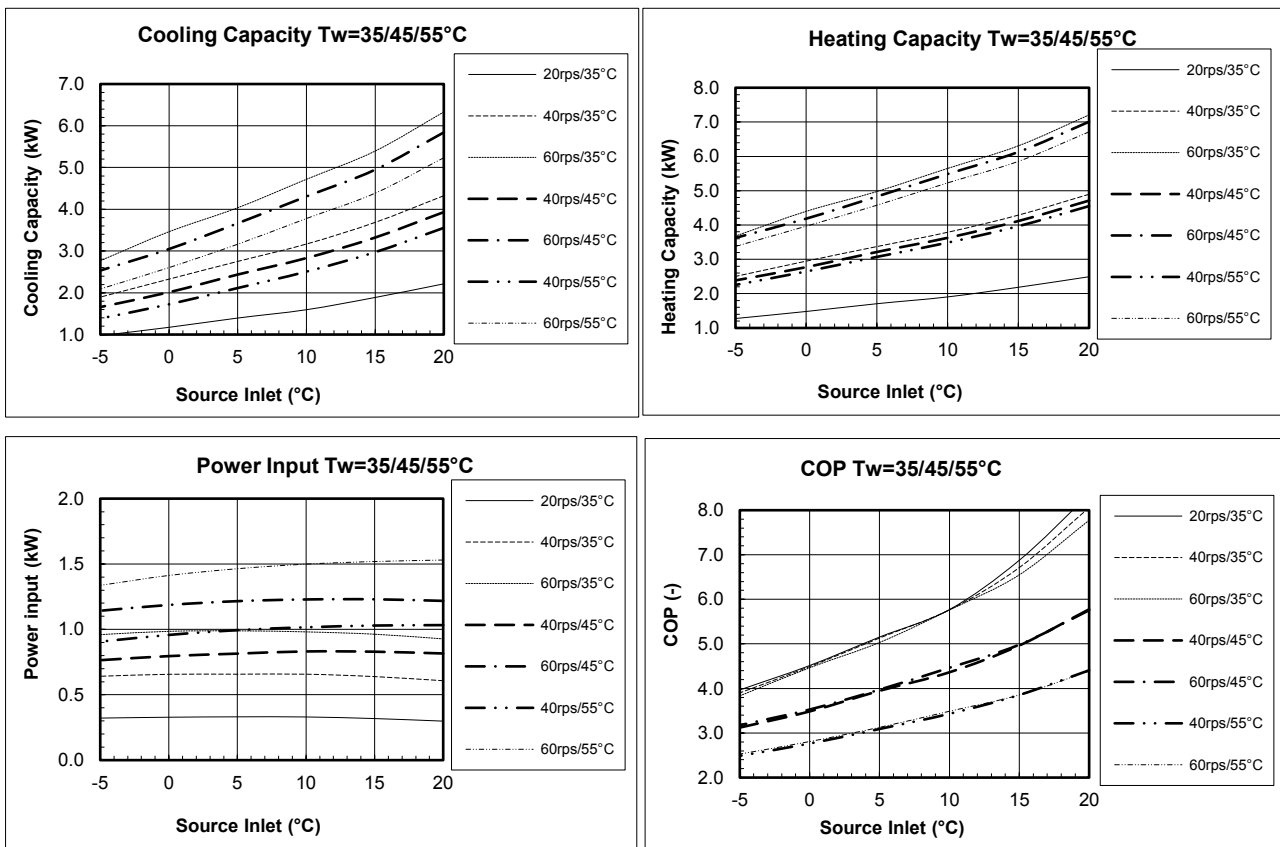
"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

Ecodesign	35°C	55°C
Pdesign	4.72	3.96 kW
SCOP	5.32	3.89 -
ETAs	2.049	1.476 -
Rating	A+++	A++

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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

