

Technical Data **AQ22I**

Performances*	rpm	60	60	60	60	60
		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	4.18	3.81	5.83	5.38	3.61
Cooling Capacity	kW	3.33	2.54	4.95	3.92	2.79
Power In**	kW	0.90	1.32	0.93	1.50	0.87
COP	-	4.66	2.89	6.27	3.57	4.14
Operating Current	A	4.3	6.2	4.5	7.0	4.2

Compressor

Type	BLDC Inverter	
Speed	30-100	1/min
Charge Oil FW50S	0.45	l
LRC	-	A
Max. Op. Current	22	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0.47	kg/s
Minimum Flow	0.44	kg/s
Brine Flow (B/W)	0.29	kg/s
Minimum Flow	0.18	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	6.0	m
Pump Motor Max.	70	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.18	kg/s
Minimum Flow	0.14	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	6.5	m
Pump Motor Max.	70.0	W

Refrigerant Circuit

Refrigerant	R32	
Charge	1	kg

Aux. Heater (Option)

Heating Capacity	-	kW
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Controls

Controller	pCO5/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. auxiliary heater	-	A

Connections and Dimensions

Hot Water, Brine	1"	"OD
He x Wi x De	82x53x53	cm
Weight	65	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

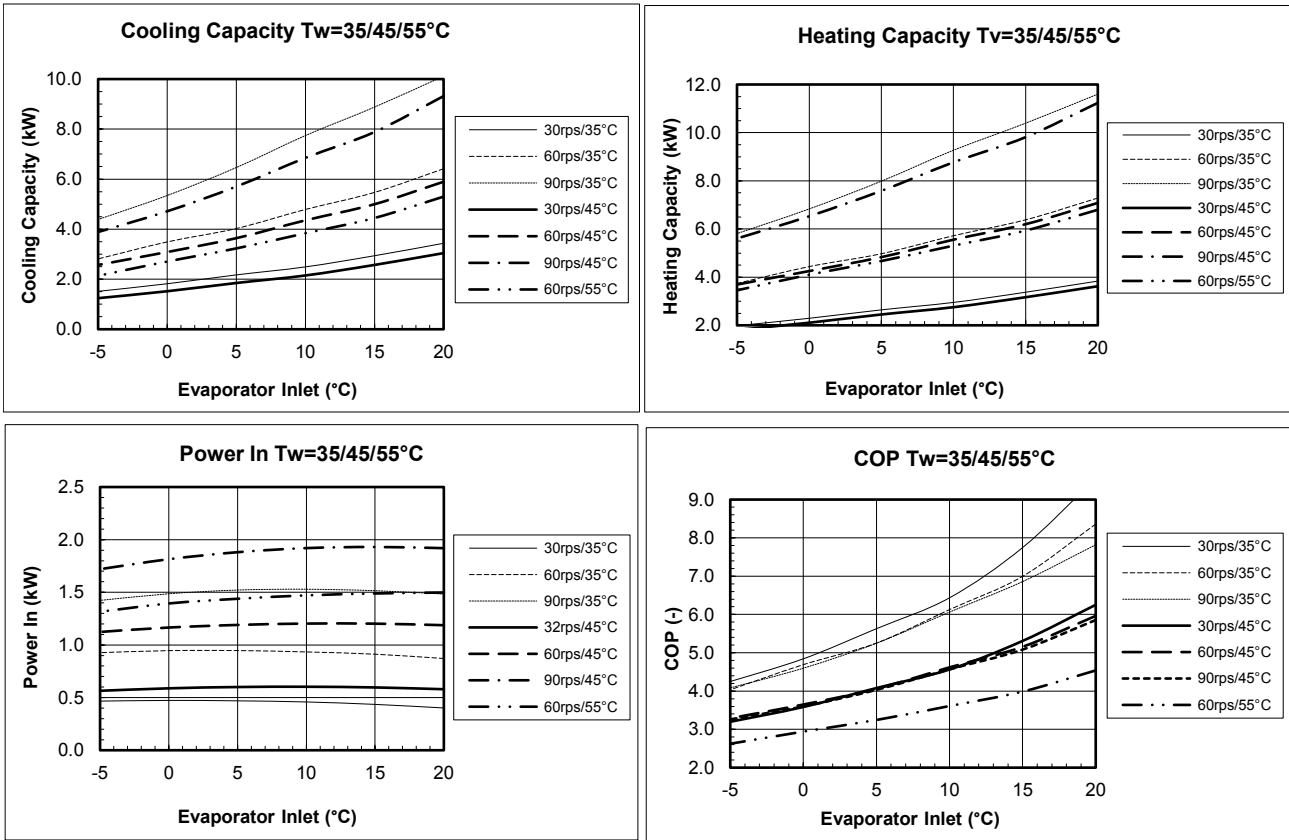
"W35" Water Outlet 35°C

Performance Tolerance EN14511

Ecodesign	35°C	55°C
Pdesign	7.08	5.91 kW
SCOP	5.39	4.01 -
ETAs	2.077	1.522 -
Rating	A+++	A+++

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Performance *

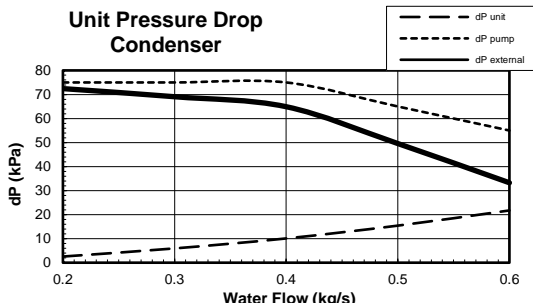


* Performance Tolerance $\pm 10\%$

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

Unit Pressure Drop Condenser



Unit Pressure Drop Evaporator

