

Technical Data AQ17ICP-1

Performances ^[1]	rps	60				
		B0W35	B0W55	W10W35	W10W55	B5W35
Heating Capacity	kW	3,87	3,50	5,23	4,72	4,51
Cooling Capacity	kW	3,02	2,37	4,37	3,50	3,65
Power In ^[2]	kW	0,90	1,18	0,91	1,27	0,91
COP	-	4,29	2,97	5,75	3,71	4,96
Operating Current	A	4,3	5,5	4,4	6,0	4,4

Compressor

Type	BLDC Inverter	
Speed	15-90	rps
Charge POE oil	0,3	l
LRC ^[3]	-	A
Max. Op. Current	7,3	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0,35	kg/s
Minimum Flow	0,26	kg/s
Brine Flow (B/W)	0,26	kg/s
Minimum Flow	0,16	kg/s
Temp. Difference	3	K
Internal Volume	2,0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	3,1	MPa
Pump Ext. Head	5,0	m
Pump Motor Max.	70	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,18	kg/s
Minimum Flow	0,09	kg/s
Temp. Difference	5	K
Internal Volume	2,0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	3,1	MPa
Pump Ext. Head	5,0	m
Pump Motor Max.	70	W

Refrigerant Circuit

Refrigerant	R290	
Charge	0,190	kg
Release Charge ^[4]	0,100	kg

Aux. Heater (Option)

Heating Capacity	-	kW
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Sanitary Hot Water

storage volume	150	l
max. op. pressure	0,7	MPa

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	16	A
incl. auxiliary heater	-	A

Connections and Dimensions

Hot Water, Brine	1"	"OD
He x Wi x De ^[5]	192x55x54(64)	cm
Weight (Operating)	105(260)	kg

Limits

W/B Overpressure	0,25	MPa
Ref. Overpressure	3,1	MPa
Brine Min/Max	-5/+20	°C
Water Min/Max	20/75	°C

[1] B0W35, acc. to EN14511, at 60rps

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

[2] Effective Power acc. to EN14511

[3] Locked Rotor Current

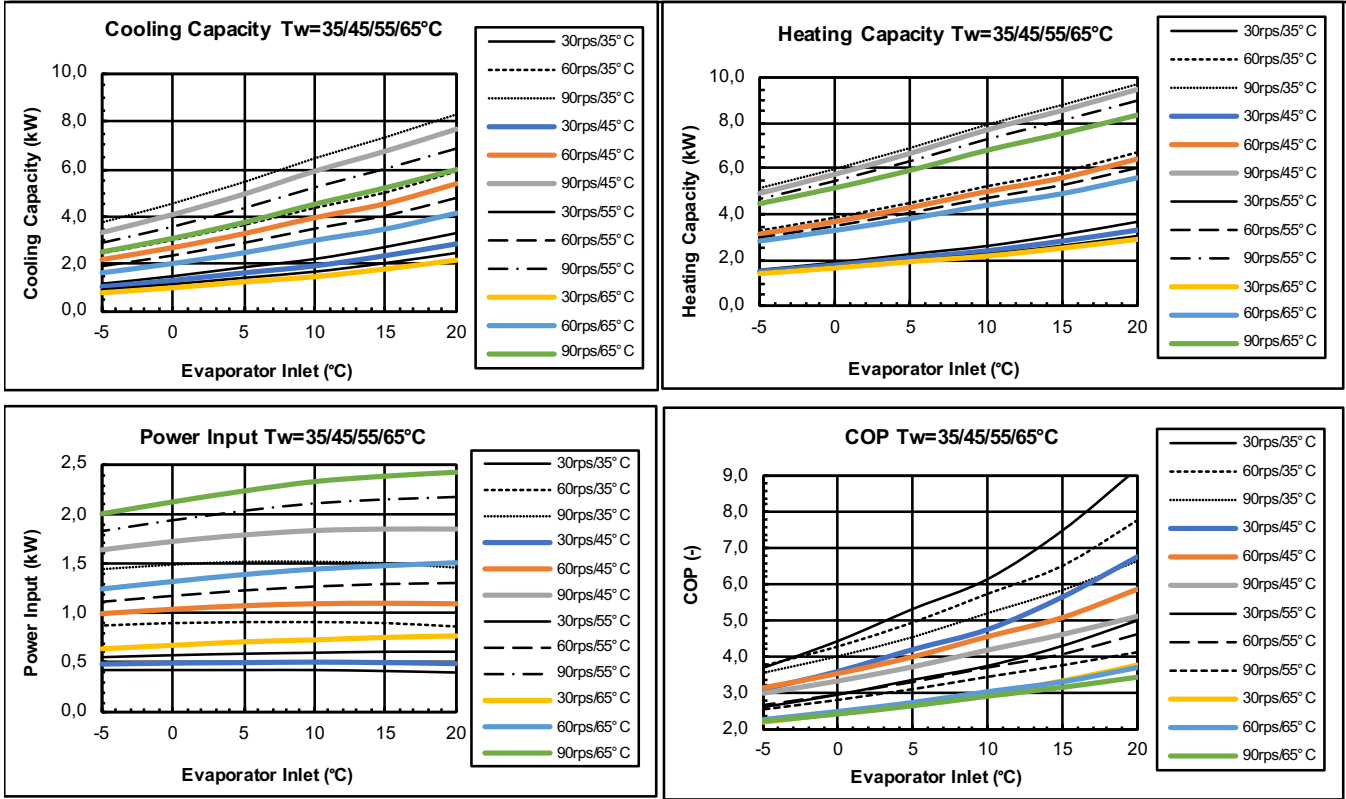
[4] acc. to IEC 60335-2-40

[5] including Expansion vessels (option)

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Performance *



* Performance Tolerance ±10%

Dimensions, Connections

1 2 8 7 6 9 3 4

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|------------------------|-------|----------------------|
| 1. Brine Inlet | 1" OD | 6. SHW Inlet 1/2"ID |
| 2. Brine Outlet | 1" OD | 7. SHW Outlet 1/2"ID |
| 3. Hot Water Outlet | 1" OD | |
| 4. Hot Water Inlet | 1" OD | |
| 5. El. Bushings 2xPG29 | | |

