

Technical Data
AQ17ICP
Performances ^[1]

	rps	30	30	30	30	30
		B0W35	B0W55	W10W35	W10W55	B5W35
Heating Capacity	kW	2,57	2,39	3,33	3,02	2,89
Cooling Capacity	kW	2,02	1,89	2,79	2,19	2,34
Power In ^[2]	kW	0,60	0,87	0,59	0,88	0,60
COP	-	4,27	2,74	5,63	3,43	4,81
Operating Current	A	3,1	4,2	3,0	4,3	3,0

Compressor

Type	BLDC Inverter	
Speed	20-60	rps
Charge RFL68EP oil	0,74	l
LRC ^[3]	-	A
Max. Op. Current	12	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	0,22	kg/s
Minimum Flow	0,17	kg/s
Brine Flow (B/W)	0,18	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.	3,1	MPa
Pump Ext. Head	6,0	m
Pump Motor Max.	70	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,12	kg/s
Minimum Flow	0,06	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	0,152	kg
Release Charge ^[4]	0,152	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]	192x55x64 cm	
Weight (Operating)	105(255)	kg

Limits

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

[1] B0W35, acc. to EN14511, at 30rps

"B0" Brine Inlet 0°C

"W35" Water Outlet 35°C

[2] Effective Power acc. to EN14511

[3] Locked Rotor Current

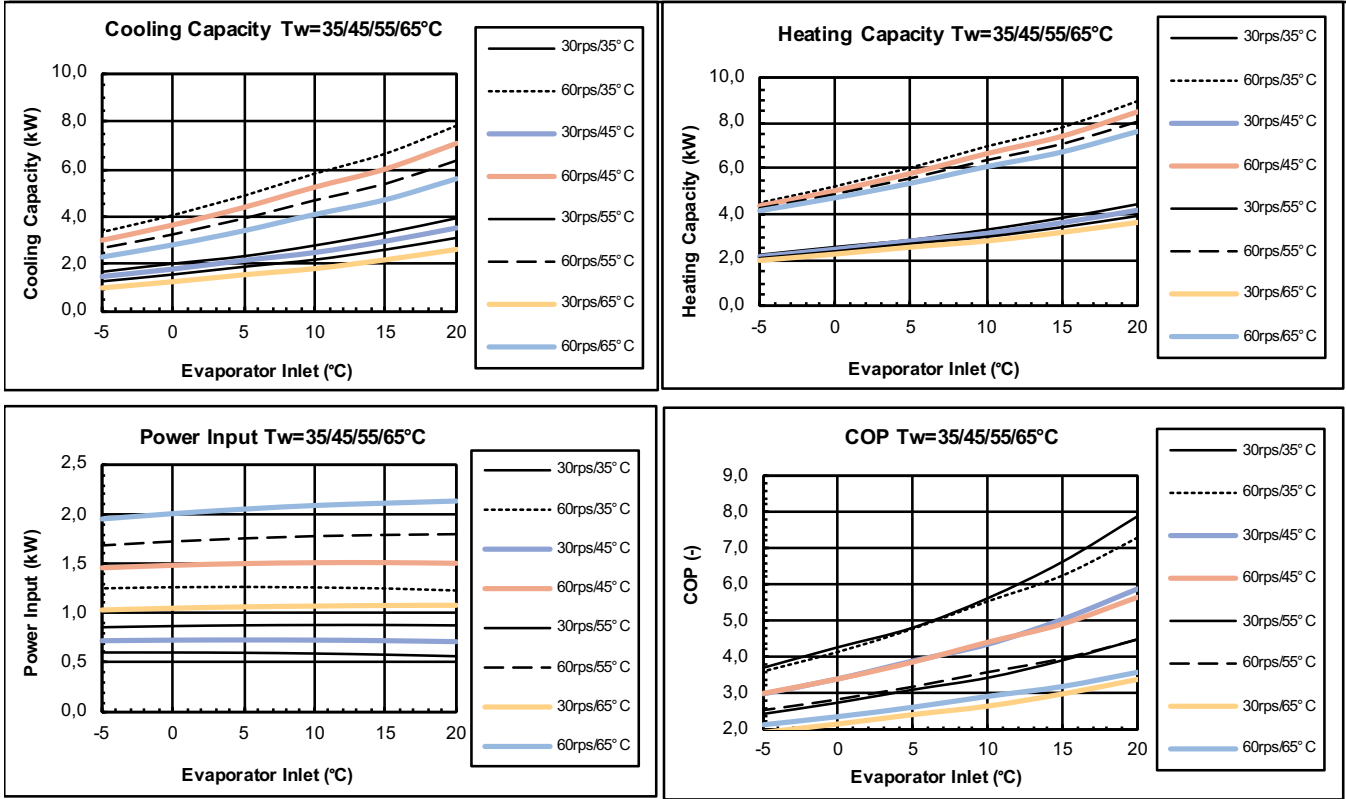
[4] acc. to IEC 60335-2-40

[5] including Expansion vessels (option)

Technical Data

AQ17ICP

Performance *



* Performance Tolerance ±10%

Dimensions, Connections

- | | | |
|------------------------|-------|----------------------|
| 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 4xPG16 | | |

