Technical Data AQ45IP

Performances*	rps	60	60	60	60	120
		B0W35	**B0W55**	**W10W35**	**W10W55**	**B0W35**
Heating Capacity	kW	16,5	14,7	21,2	19,3	**35,22**
Cooling Capacity	kW	13,1	10,0	17,9	14,3	**26,55**
Power In	kW	3,8	5,1	3,7	5,4	**9,47**
COP	-	4,35	2,90	5,72	3,59	**3,72**
Operating Current	A	8,5	10,6	8,4	11,0	**17,7**

Compressor

Type		BLDC Inverter	
Speed		15-120	rps
Oil	HAF68D1U	2	l
LRC		-	A
Max. Op. Current		24	A

Evaporator

Type	PHE	
Material	AISI316	
Water Flow (W/W)	2,14	kg/s
Minimum Flow	1,61	kg/s
Brine Flow (B/W)	1,04	kg/s
Minimum Flow	0,63	kg/s
Temp. Difference	3	K
Internal Volume	5,1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	3,1	MPa
Ext.Pressure(2Pumps)	6 (15)	m
Pump Maxo25/10 (2x)	200 (400)	W

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,70	kg/s
Minimum Flow	0,53	kg/s
Temp. Difference	5,0	K
Internal Volume	4,1	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	3,1	MPa
External Pressue	8,0	m
Pump Maxo25/10	200	W

Refrigerant Circuit

Refrigerant	R290	
Charge	0,9	kg
Minimum Airflow**	35	m^3/h

Aux. Heater (Option)

Heating Capacity	-	kW

Controls

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	3x400	V
Frequence	50	Hz
Max. Current	25	A

Connections and Dimensions

Hot Water, Brine	1, 5/4"	"OD
He x Wi x De	120x53x72	cm
Weight	180	kg

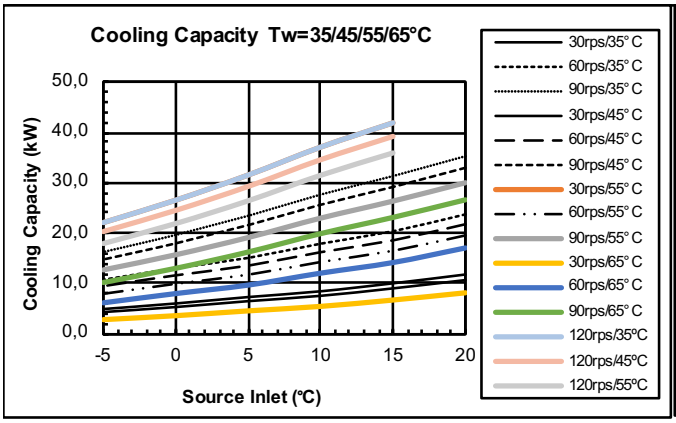
Limits

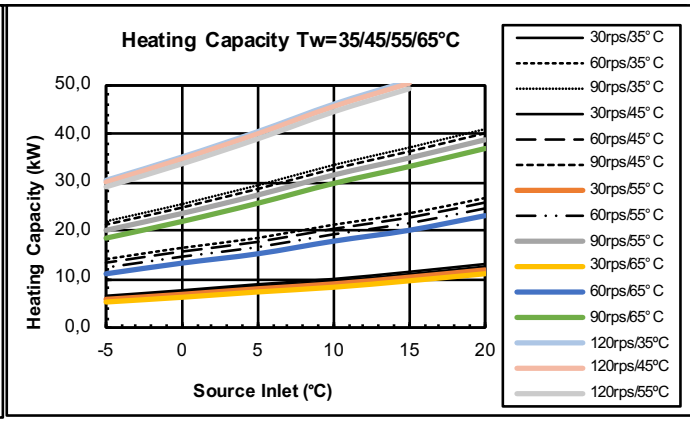
W/B Overpressure	0,25	MPa
Ref. Overpressure	3,1	MPa
Brine Min/Max	-5/+20	°C
Water Min/Max	20/75	°C

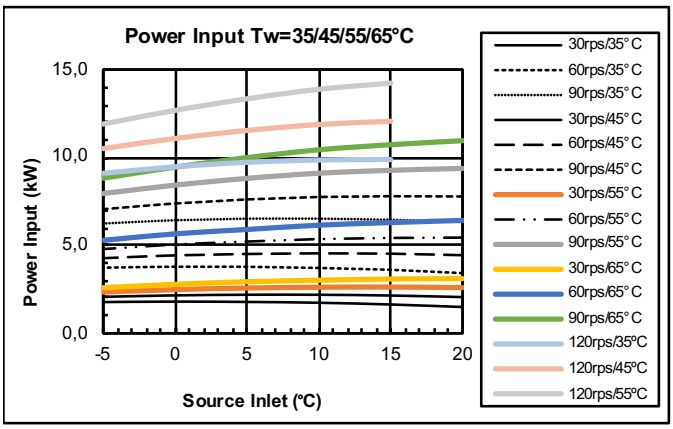
*B0W35, acc. to EN14511, at 60rps
"B0" Brine Inlet 0°C
"W35" Water Outlet 35°C
Performance Tolerance EN14511
** according to IEC 60335-2-40:2022

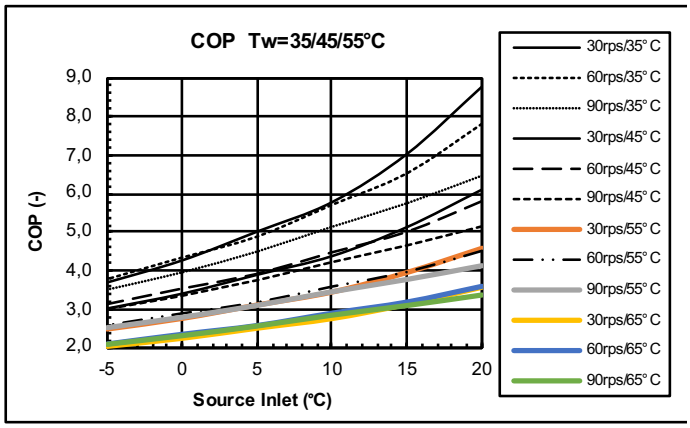
Technical Data AQ45IP

Performance *









Dimensions, Connections

1. Water / Brine Inlet 5/4" OD
2. Water / Brine Outlet 5/4" OD
3. Heating Water Outlet 1" OD
4. Heating Water Inlet 1" OD
5. 2xPG16, 4xPG13.5