



MasterTherm
Warmtepompen

MasterTherm AquaMaster Inverter (AQ17i)

Nieuw



Brine/water - water/water warmtepomp
Modulerend tussen 1 - 5kW (0/35)

De MasterTherm AquaMaster Inverter is nu ook verkrijgbaar in een lager vermogen. Erg geschikt voor kleinere, goed geïsoleerde woningen.

Een compact design met de betrouwbaarheid van MasterTherm!



GEO HOLLAND
moderne bronsystemen & warmtepompen

Neringstraat 10 • 8263BG Kampen
www.geoholland.nl

Technische specificaties AquaMaster Inverter (AQ17i)



MasterTherm
Wärmepumpen



Heat Pumps Water/Water, Brine/Water
AquaMaster

Technical Data AQ17i

Performances

		B0W35	B0W55	W10W35	W10W55	B-5W35
Heating Capacity	kW	2.95	2.65	3.79	3.49	2.25
Cooling Capacity	kW	2.33	1.72	3.17	2.51	1.38
Power In	kW	0.69	0.99	0.69	1.05	0.94
COP	-	4.29	2.68	5.51	3.33	2.41
Operating Current	A	3.9	5.2	3.9	5.4	4.9

Compressor

Type	BLDC Inverter
Speed	15-65 rps
Charge POE oil	0.9 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)	0.19 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.	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	R410a
Charge	0.75 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

Performance Tolerance EN14511

** Effective Power acc. to EN14511

*** Locked Rotor Current



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