

Technical Data BA22IS

Performances

		A7W35*	A2W35*	A-7W35**	A-15W35***	A7W55*
Heating Capacity	kW	4,91	3,61	3,85	3,10	4,52
Cooling Capacity	kW	3,97	2,69	2,59	1,98	3,11
Power In	kW	1,04	1,02	1,36	1,22	1,49
COP	-	4,72	3,53	2,84	2,54	3,05
Operating Current	A	5,4	5,3	6,8	6,2	7,3

Compressor

Type	BLDC Inverter	
Speed	30-90	1/s
Charge oil FVC68D	0,57	l
LRC	-	A
Max. Op. Current	12	A

Evaporator

Type	Coil	
Material	Al/Cu	
Heat Transfer Area	21	m ²
Fin Spacing	2,0	mm
Max Overpressure	4,2	Mpa
Air Flow	max. 3000	m ³ /h
Fan Motor	max. 0,13	kW
Fan Diameter	450	mm
Speed	max.900	1/min
Sound Power Level	62	dB"A"
Defrost	reverse cycle	

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,23	kg/s
Minimum flow	0,23	kg/s
Temp. Difference	5	K
Water volume	7,0	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4,2	MPa
Pump Ext. Head	3,5	m
Pump Motor	4-70	W

Refrigerant Circuit

Refrigerant	R410a	
Charge	2,3	kg

Aux. Heater

Heating Capacity	4,5+(4,5)	kW
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Controls

Controller	pCO5
EEV	Yes
Water Probe	Yes
Mixing Probe	Yes, 2x
HW Probe	Yes
Outdoor Probe	Yes
Weather Comp.	Yes
Refrigerant	2xPT

Power Supply

Voltage	1x230 or 3x400 V	
Frekvence	50	Hz
Max. Current C (H)	16/(16)/(16) A	

Dimensions and Connections

Heating	1	"OD
Vapour/Liquid	15(16)/8	mm
He x Wi x De	120x53x72	cm
Weight Ind./Out.	165/50	kg

Operating Limits

Water Overpressure	0,25	MPa
Ref. Overpressure	4,2	MPa
Air Min/Max	-15/+40	°C
Water Min/Max	20/60	°C

A2W35, acc. to EN14511, condenser dT=5K

"A2" Air Inlet +2°C

"W35" Water Outlet 35°C

Defrost energy considered.

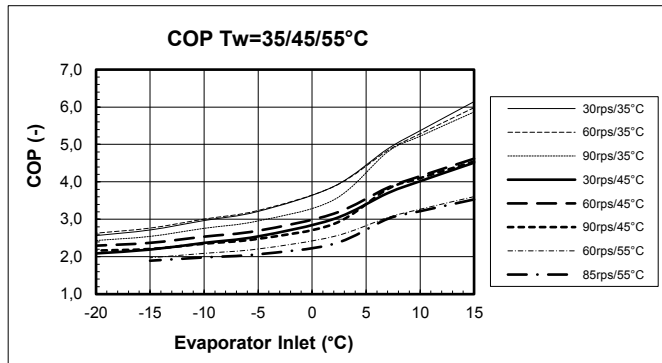
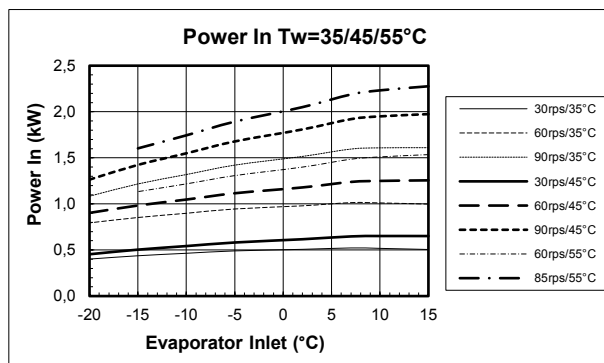
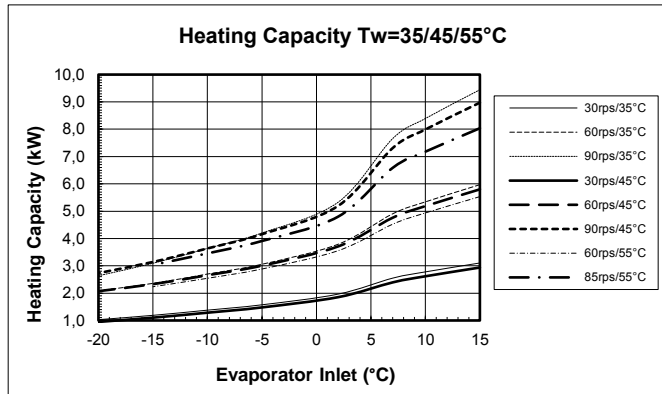
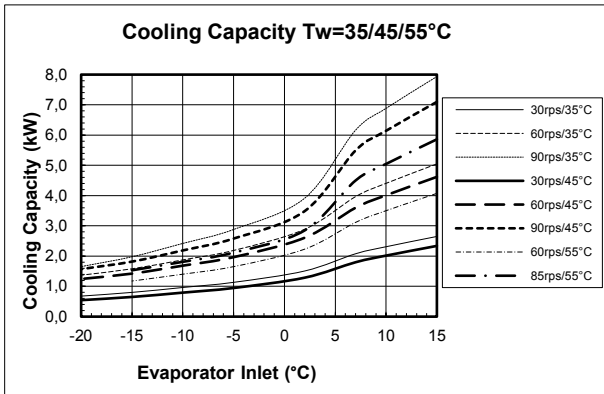
Performance Tolerance EN14511

* at 60rps, ** at 80rps, *** at 90rps

Technical Data

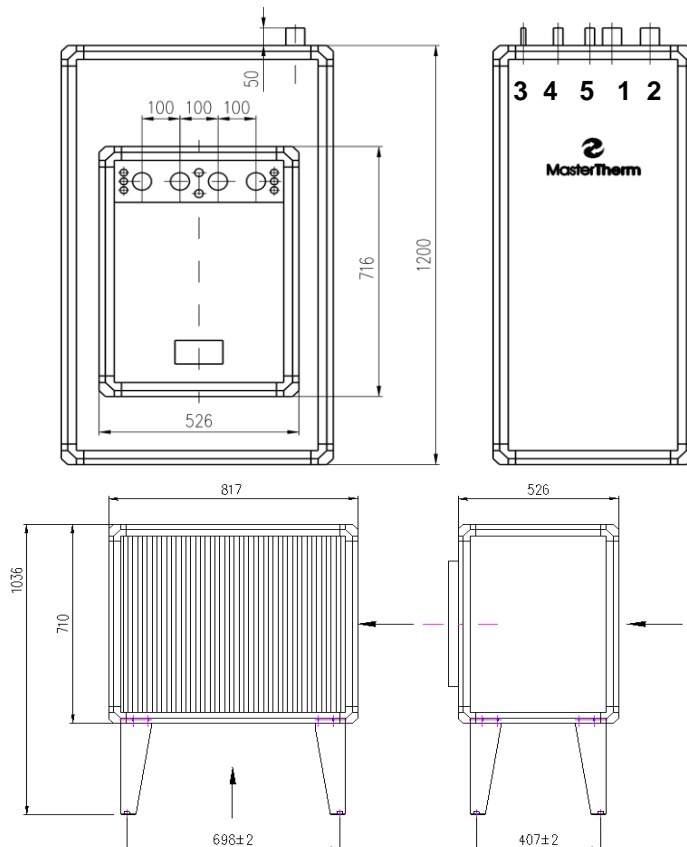
BA22IS

Performance *



* Performance Tolerance $\pm 10\%$, defrost energy included

Dimensions, Connections



1. heating outlet 1" OD
 2. heating inlet 1" OD
 3. liquid line 8mm
 4. vapour line 15(16)mm
 5. desuperheater 2x15mm**
- ** optional

