

Technical Data BA22I

Performances	rps	60	40	80	90	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	4.91	2.57	3.60	3.10	4.52
Cooling Capacity	kW	3.97	1.97	2.45	1.98	3.11
Power In	kW	1.01	0.66	1.23	1.22	1.49
COP	-	4.84	3.87	2.91	2.54	3.05
Operating Current	A	5.28	3.76	6.24	6.16	7.33

Compressor

Type	BLDC Inverter	
Speed	30-90	1/s
Charge oil FW50S	0.45	l
LRC	-	A
Max. Op. Current	12	A

Evaporator

Type	Coil	
Material	Al/Cu	
Heat Transfer Area	21	m ²
Fin Spacing	2	mm
Max Overpressure	4.2	Mpa
Air Flow	max.3000	m ³ /h
Fan Motor	max. 0,1	kW
Fan Diameter	450	mm
Speed	max.700	1/min
Sound Power Level	56	dB"A"
Defrost	reversal	

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.23	kg/s
Minimum flow	0.24	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	6.0	m
Pump Motor	max.70	W

Refrigerant Circuit

Refrigerant	R32	
Charge	1.8	kg

Aux. Heater

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

Controller	pCO5
EEV	Yes
Water Probe	Yes
SHW Probe	Yes
Outdoor Probe	Yes
Dynamic Set Point	Yes
Refrigerant Probe	2xPT

Power Supply

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

Connections and Dimensions

Hot Water	1	"OD
He x Wi x De	165x130x53	cm
Weight	120	kg

Limits

Water Overpressure	0.25	MPa
Ref. Overpressure	4.2	MPa
Air Min/Max	-15/+30	°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.

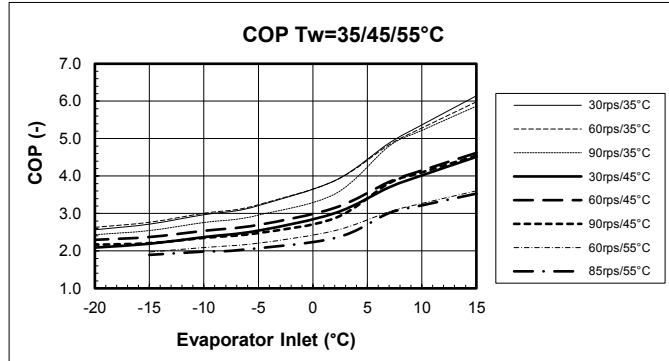
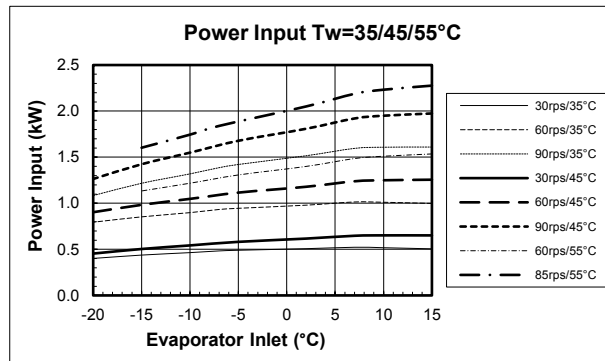
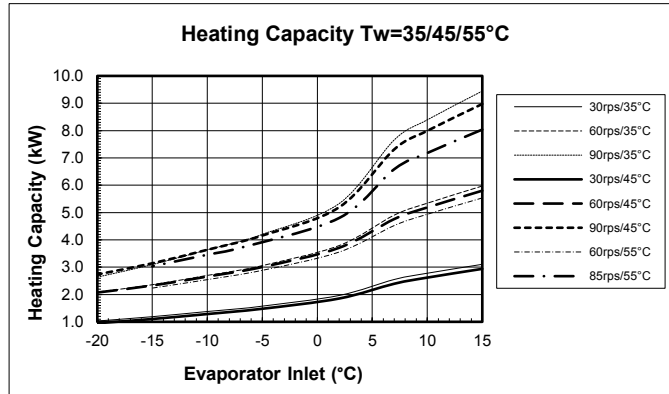
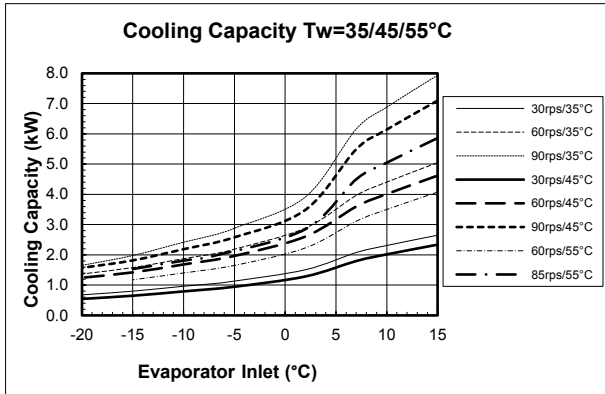
Performance Tolerance EN14511

Ecodesign	35°C	55°C
Pdesign	4.51	4.21 kW
SCOP	4.51	3.38 -
ETAs	1.774	1.322 -
Rating	A+++	A++

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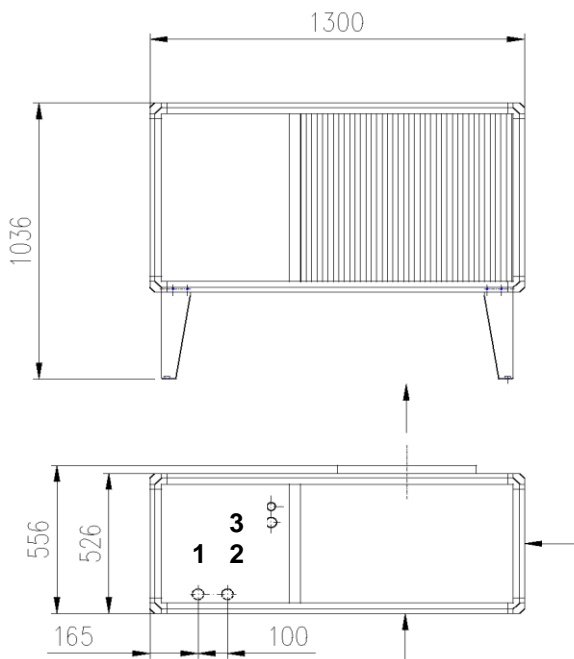
BA22I

Performance *



* Performance Tolerance $\pm 5\%$, defrost energy included

Dimensions, Connections



1. Water Outlet 1" OD
2. Water Inlet 1" OD
3. Electrical Bushings
1xPG21
1xPG29

