

Technical Data BA37I

Performances*	rps	60	40	80	90	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	11.46	5.76	8.76	8.83	10.34
Cooling Capacity	kW	9.32	4.58	6.05	5.77	7.28
Power In	kW	2.38	1.36	3.11	3.46	3.32
COP	-	4.80	4.22	2.82	2.55	3.12
Operating Current	A	6.7	5.1	7.9	8.5	8.2

Compressor

Type	BLDC Inverter	
Speed	20-100	rps
Charge Oil FW50S	1.3	l
LRC	-	A
Max. Op. Current	16	A

Evaporator

Type	Coil	
Material	Al/Cu	
Heat Transfer Area	42	m ²
Fin Spacing	2	mm
Max Overpressure	4.2	Mpa
Air Flow	max.6000	m ³ /h
Fan Motor	max. 0,2	kW
Fan Diameter	2x450	mm
Speed	max.690	1/min
Sound Power Level	60	dB"A"
Defrost	reversal	

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.55	kg/s
Minimum flow	0.30	kg/s
Temp. Difference	5	K
Water volume	10.9	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	4.2	MPa
Pump Ext. Head	6.0	m
Pump Motor	130	W

Refrigerant Circuit

Refrigerant	R32	
Charge	2.7	kg

Aux. Heater

Heating Capacity	7.5(+7.5)	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	3x400	V
Frequency	50	Hz
Max. Current C (H)	20(25)	A

Connections and Dimensions

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

Limits

Water Overpressure	0.25	MPa
Ref. Overpressure	4.2	MPa
Air Min/Max	-20/+35	°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 ±5%

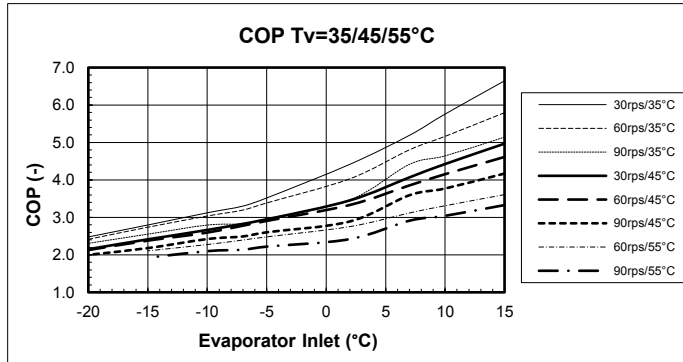
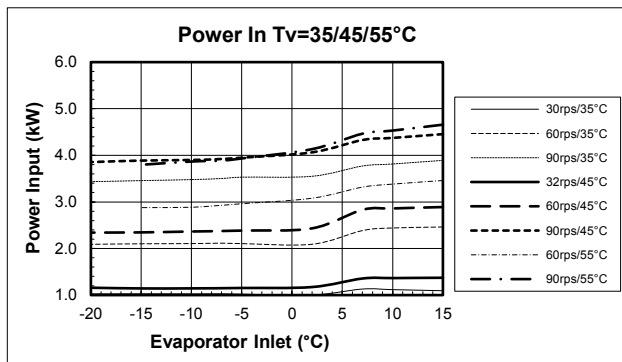
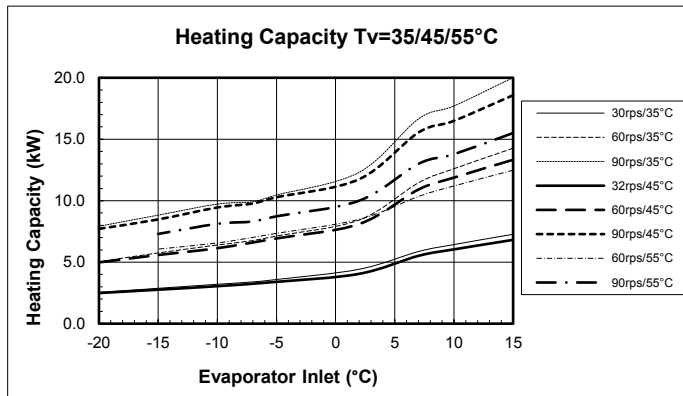
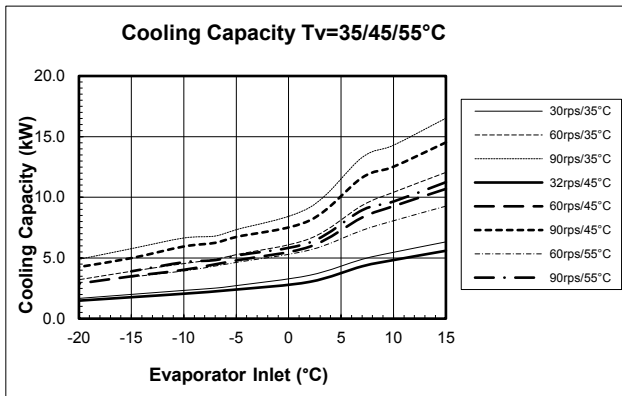
Ecodesign 35°C 55°C

Pdesign	11.25	10.1 kW
SCOP	4.95	3.89 -
ETAs	1.95	1.528 -
Rating	A+++	A+++

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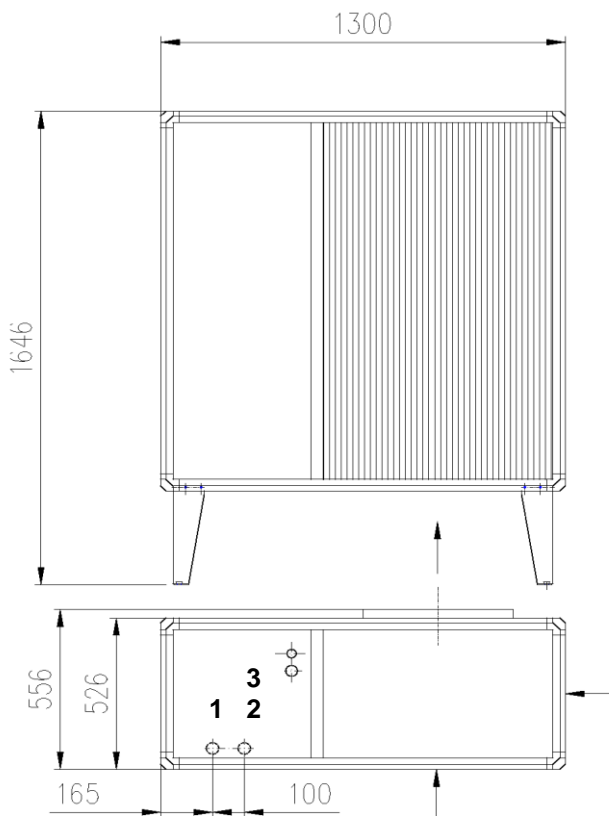
BA371

Performance *



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

Dimensions, Connections



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

