

Technical Data

BA22IP

Performances

	rpm	60	40	80	90	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	4,53	2,29	3,27	2,89	4,10
Cooling Capacity	kW	3,68	1,76	2,17	1,72	2,94
Power In	kW	0,92	0,58	1,19	1,26	1,24
COP	-	4,92	3,92	2,75	2,29	3,31
Operating Current	A	4,4	2,8	5,7	6,0	5,9

Compressor

Type	BLDC Inverter		
Speed	25-120	1/s	
Oil	PZ68S	0,3	l
LRC	-	A	
Max. Op. Current	8	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	50	dB"A"	
Defrost	reversal		

Condenser

Type	PHE		
Material	AISI316		
Water Flow	0,22	kg/s	
Minimum flow	0,11	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	R290		
Charge	0,8	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	90x130x53 cm	
Weight	120	kg

Limits

Water Overpressure	0,25	MPa
Ref. Overpressure	2,9	MPa
Air Min/Max	-20/+35	°C
Water Min/Max	20/65	°C

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

"A2" Air Inlet +2°C

"W35" Water Outlet 35°C

Defrost energy considered.

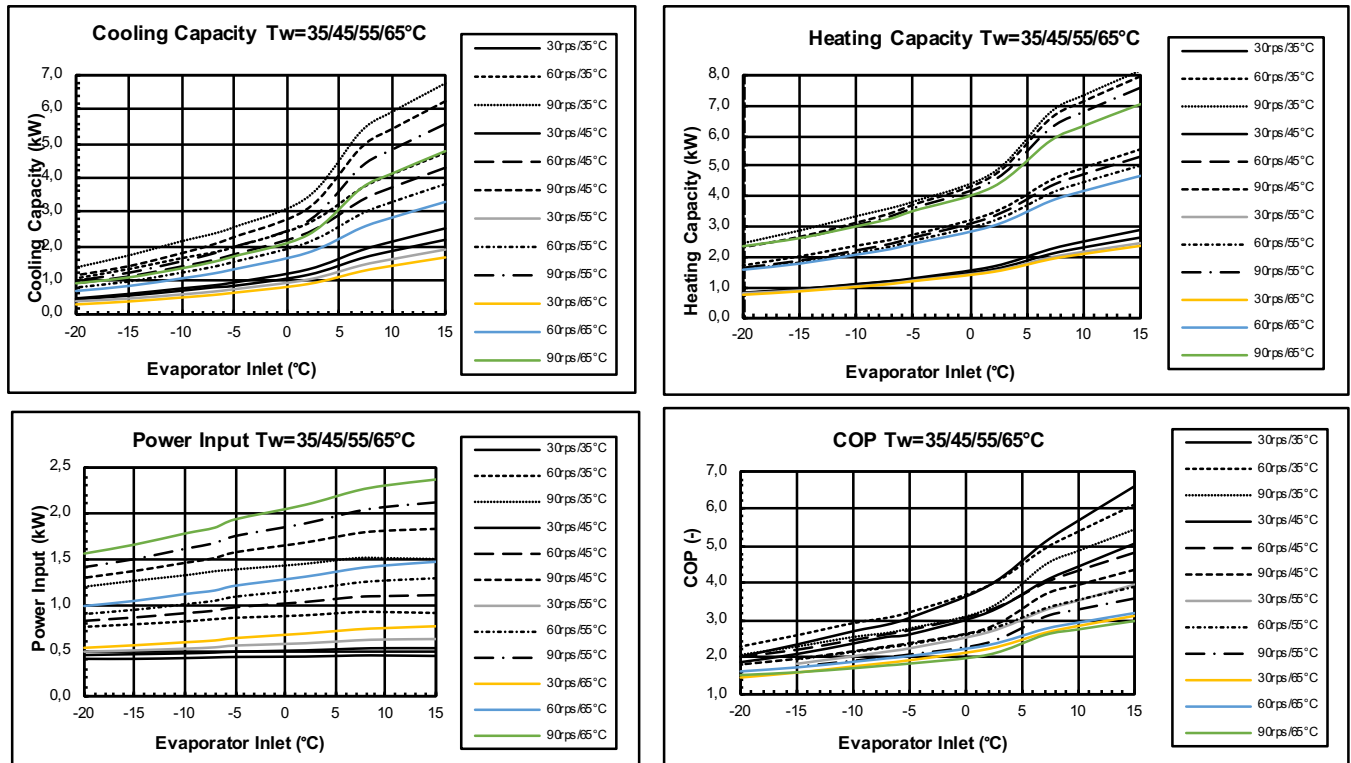
Performance Tolerance EN14511

Ecodesign	35°C	55°C
Pdesign	4,10	3,87 kW
SCOP	4,24	3,35 -
ETAs	167	131 %
Rating	A++	A++

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Performance *



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

Dimensions, Connections

