

Technical Data

BA90IP

Performances	rps	60	60	90	120	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	25,16	19,55	20,78	22,02	22,81
Cooling Capacity	kW	20,25	14,78	12,96	11,70	15,74
Power In	kW	5,52	5,37	8,63	11,13	7,67
COP	-	4,56	3,64	2,41	1,98	2,97
Operating Current	A	11,4	11,1	17,9	23,0	15,9

Compressor

Type	BLDC Inverter		
Speed	15-120	1/s	
Oil	RFL68EP	2,51	l
LRC	-	A	
Max. Op. Current	35	A	

Evaporator

Type	Coil		
Material	Al/Cu		
Heat Transfer Area	84	m ²	
Fin Spacing	2	mm	
Max Overpressure	4,2	Mpa	
Air Flow	max.15000	m ³ /h	
Fan Motor	max. 0,7	kW	
Fan Diameter	2x630	mm	
Speed	max.900	1/min	
Sound Power Level	62	dB"A"	
Defrost	reversal		

Condenser

Type	PHE		
Material	AISI316		
Water Flow	1,20	kg/s	
Minimum flow	0,60	kg/s	
Temp. Difference	5	K	
Water volume	7,0	l	
Max. Water Overp.	250	kPa	
Max. Ref. Overp.	3,1	MPa	
Pump Ext. Head	4,0	m	
Pump Motor	310	W	

Refrigerant Circuit

Refrigerant	R290		
Charge	4,0	kg	

Aux. Heater

Heating Capacity	15+(15)	kW
------------------	---------	----

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)	40(60)	A

Connections and Dimensions

Hot Water	1	"OD
He x Le x Wi	168x206x104	cm
Weight	350	kg

Limits

Water Overpressure	0,25	MPa
Ref. Overpressure	3,1	MPa
Air Min/Max	-20/+35	°C
Water Min/Max	20/75	°C

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

"A2" Air Inlet +2°C

"W35" Water Outlet 35°C

Defrost energy considered.

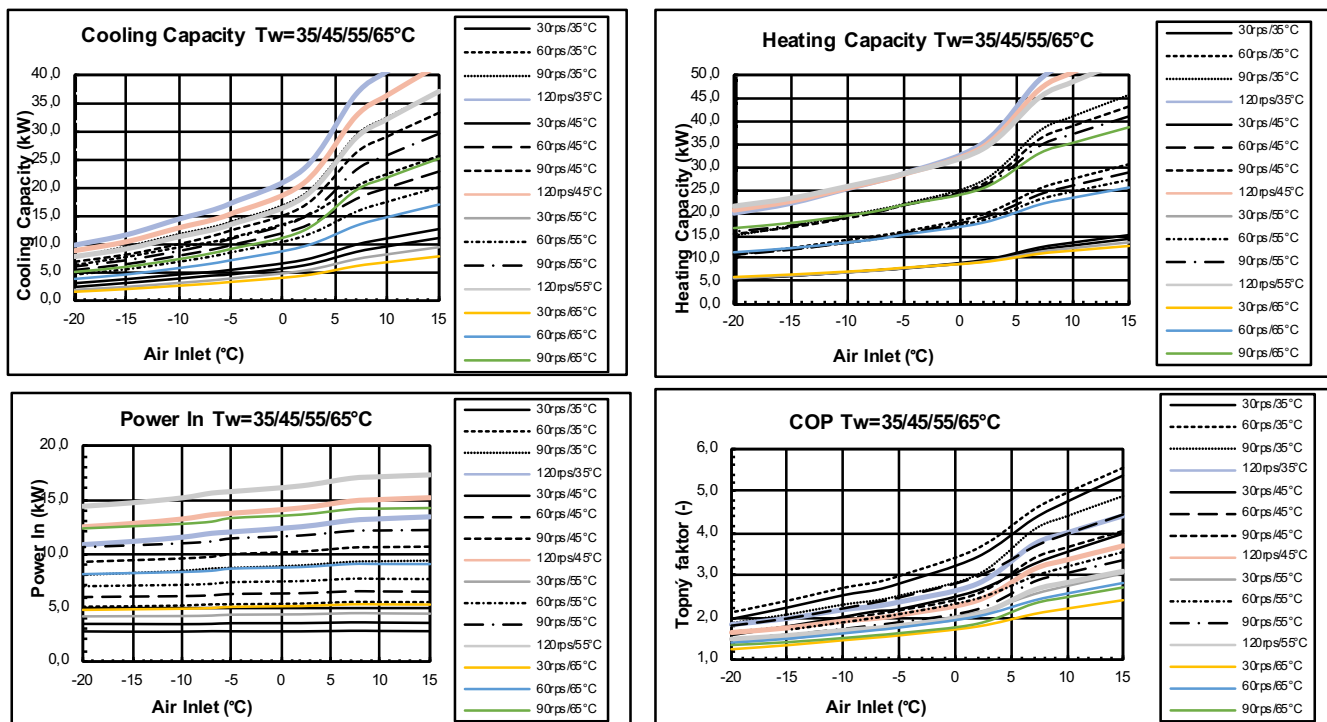
Performance Tolerance EN14511

Ecodesign	35°C	55°C
Pdesign	31,02	30,35 kW
SCOP	4,48	3,42 -
ETAs	176	134 %
Rating	A+++	A++

Technical Data

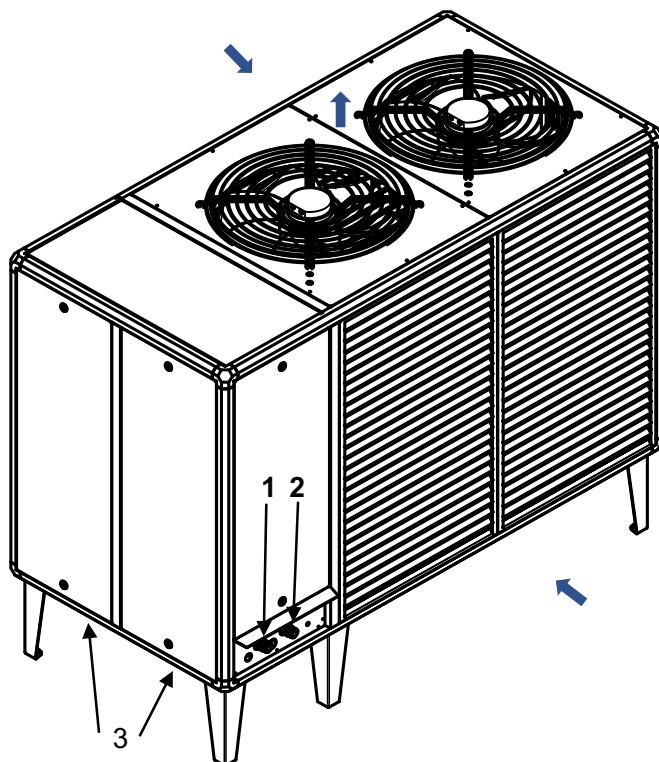
BA90IP

Performance *



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

Dimensions, Connections



1. heating outlet 5/4" OD
2. heating inlet 5/4" OD
3. electrical cables bushing
4xPG21
2xPG29

