

Technical Data

BA60IP

Performances

	rpm	60	60	90	120	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	18,50	14,27	15,27	16,90	16,67
Cooling Capacity	kW	15,12	10,99	10,08	10,08	11,89
Power In	kW	3,68	3,59	5,69	7,52	5,08
COP	-	5,02	3,98	2,68	2,25	3,28
Operating Current	A	7,6	7,4	11,8	15,6	10,5

Compressor

Type	BLDC Inverter	
Speed	15-120	1/s
Oil	HAF68D1U 2	l
LRC	-	A
Max. Op. Current	24	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.10000	m ³ /h
Fan Motor	max. 0,35	kW
Fan Diameter	630	mm
Speed	max.900	1/min
Sound Power Level	62	dB"A"
Defrost	reversal	

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0,89	kg/s
Minimum flow	0,44	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	310	W

Refrigerant Circuit

Refrigerant	R290	
Charge	3,0	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)	25(32)	A

Connections and Dimensions

Hot Water	1	"OD
He x Wi x De	165x130x101	cm
Weight	275	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

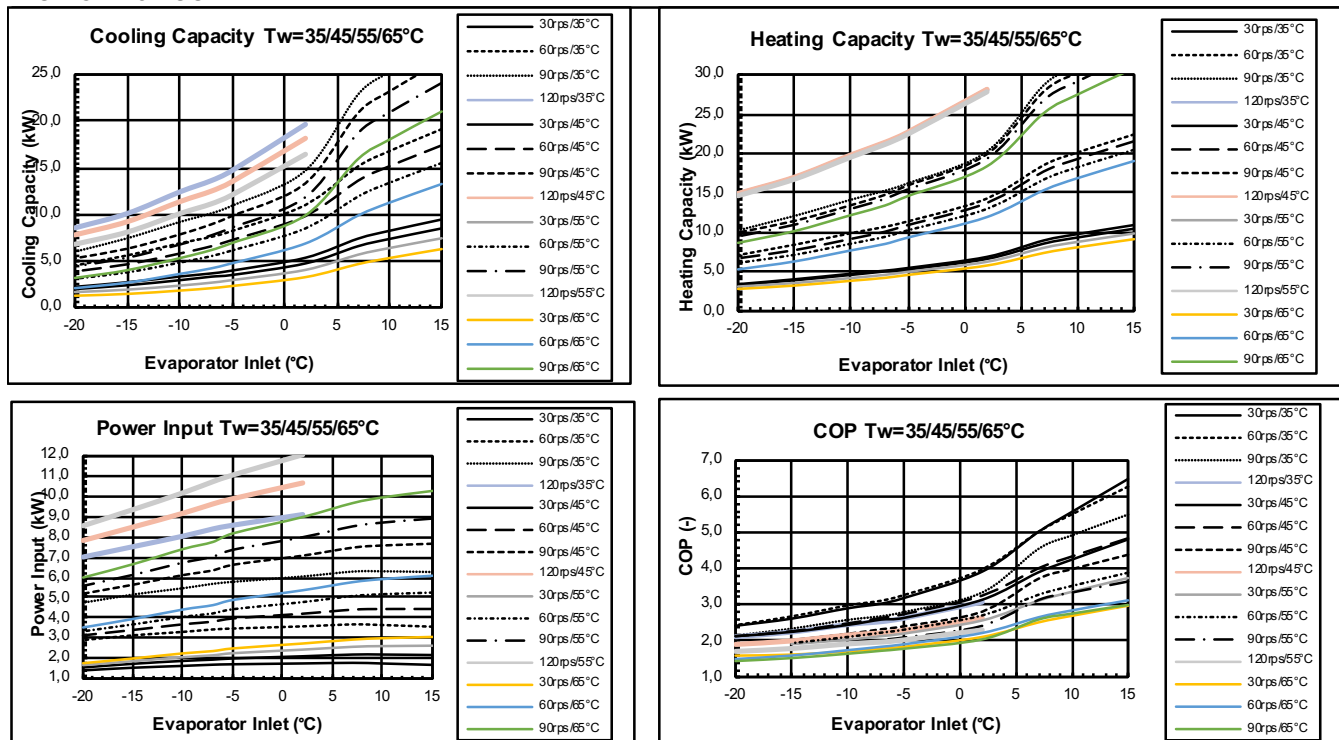
Ecodesign

	35°C	55°C
Pdesign	20,30	20,16 kW
SCOP	4,54	3,51 -
ETAs	179	137 %
Rating	A+++	A++

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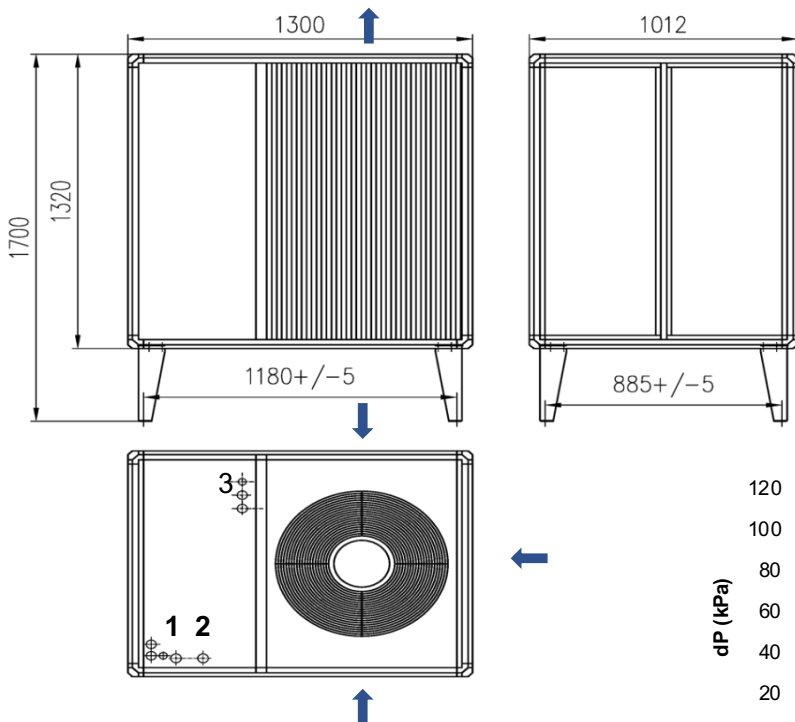
BA60IP

Performance *



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

Dimensions, Connections



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

Unit Pressure drop

