Technical Data BA22IP

Performances	rps	60	40	80	90	60
		A7W35	**A2W35**	**A-7W35**	**A-15W35**	**A7W55**
Heating Capacity	kW	4,18	2,38	3,67	3,71	3,78
Cooling Capacity	kW	3,42	1,87	2,58	2,52	2,73
Power In	kW	0,84	0,57	1,18	1,29	1,12
COP	-	5,01	4,19	3,11	2,88	3,36
Operating Current	A	4,0	2,7	5,6	6,2	5,4

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 Overpessure	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	0,20	kg/s
Minimum flow	0,10	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
PHE leak protection**	35% Propylene Glycol	
R290 leakage sensor	Yes	

** IEC 60335-2-40:2022, OBLIGATORY USE

Aux. Heater		
Heating Capacity	5,7+(2,8)	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	1x230 or 3x400	V
Frequence	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

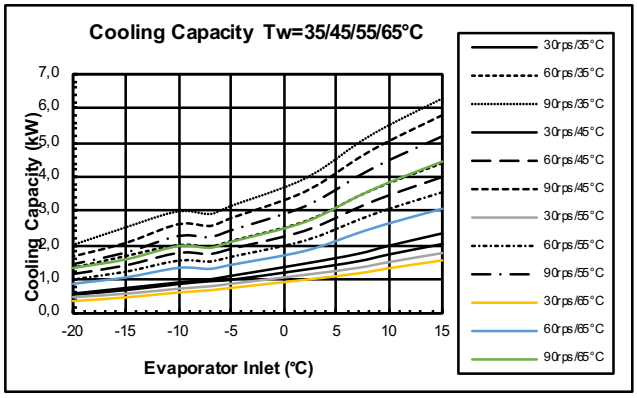
Limits		
Water Overpressure	0,25	MPa
Ref. Overpressure	2,9	MPa
Air Min/Max	-20/+35	°C
Water Min/Max	20/65	°C

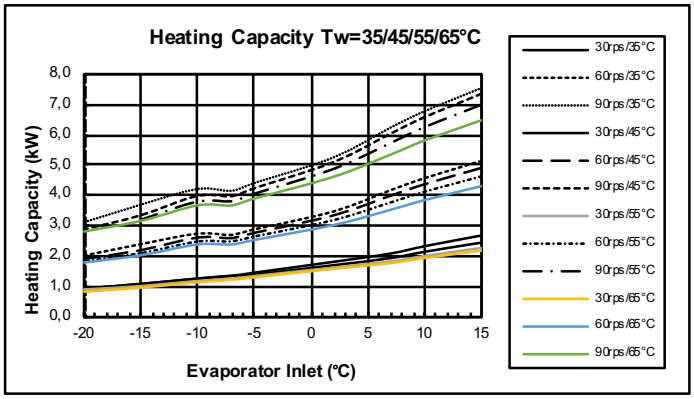
*A2W35, acc. to EN14511, condenser dT=5K
"A2" Air Inlet +2°C
"W35" Water Outlet 35°C
Defrost energy considered.
Performance Tolerance EN14511

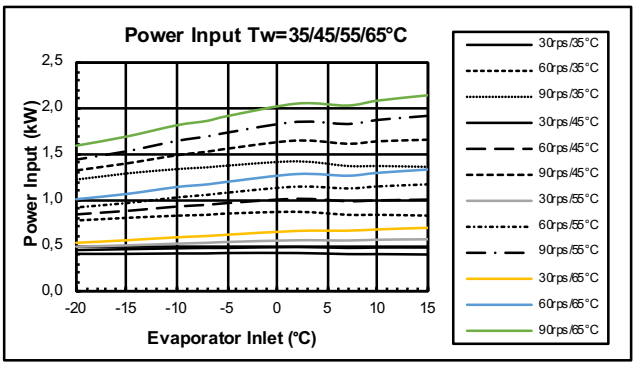
Ecodesign	**35°C**	**55°C**	
Pdesign	4,04	3,63	kW
SCOP	4,85	3,76	-
ETAs	191	147	%
Rating	A+++	A++	

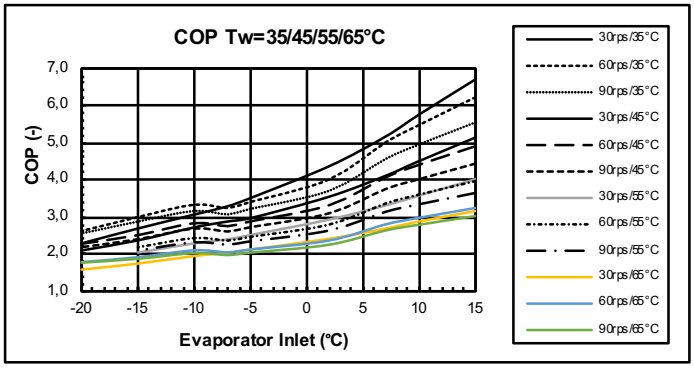
Technical Data BA22IP

Performance *



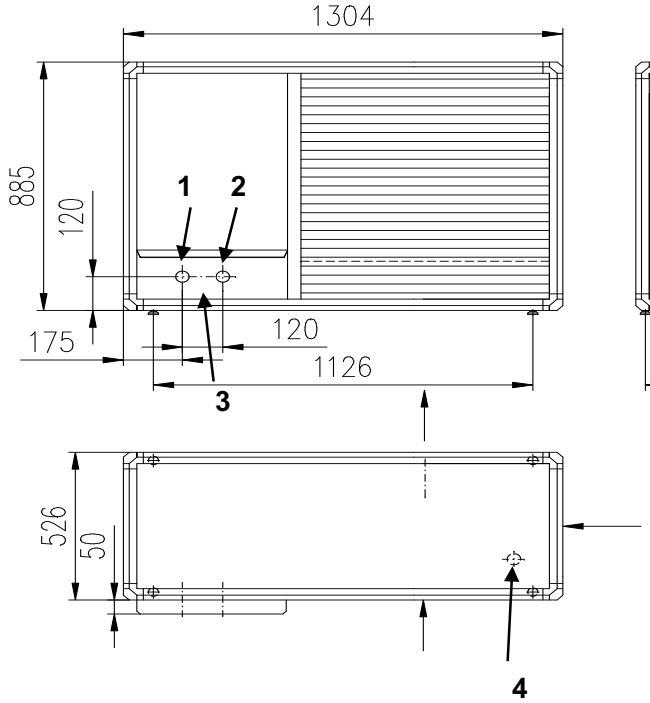






* Performance Tolerance ±5%, defrost energy included

Dimensions, Connections



1. heating outlet 1" OD
2. heating inlet 1" OD
3. electrical cables bushing
   1xPG21
   1xPG29
4. draining outlet flex.40mm