

Technical Data BA45I

Performances	rps	60	40	80	90	60
		A7W35	A2W35	A-7W35	A-15W35	A7W55
Heating Capacity	kW	15.05	7.70	11.77	11.15	14.27
Cooling Capacity	kW	12.17	6.13	8.07	7.03	10.06
Power In	kW	3.14	1.81	4.14	4.62	4.51
COP	-	4.80	4.26	2.85	2.42	3.16
Operating Current	A	7.5	5.3	9.1	9.8	9.7

Compressor

Type	BLDC Inverter	
Speed	30-90	rps
Charge POE oil	1.3	l
LRC***	-	A
Max. Op. Current	20	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.8000	m ³ /h
Fan Motor	max. 0,25	kW
Fan Diameter	2x450	mm
Speed	max.700	1/min
Sound Power Level	60	dB"A"
Defrost	reversal	

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.72	kg/s
Minimum flow	0.24	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	4.0	m
Pump Motor	130	W

Refrigerant Circuit

Refrigerant	R32	
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)	20(32)	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	-15/+30	°C
Water Min/Max	20/60	°C

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

"A2" Air Inlet +2°C

"W35" Water Outlet 35°C

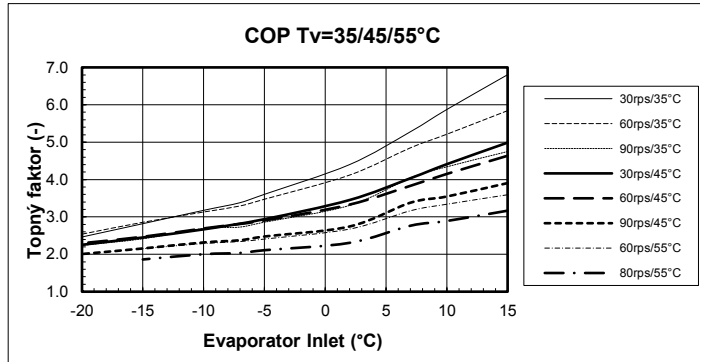
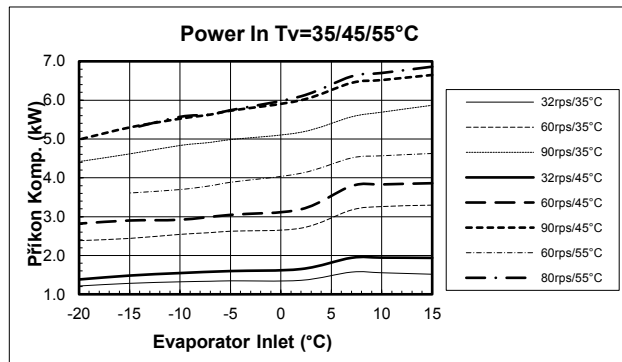
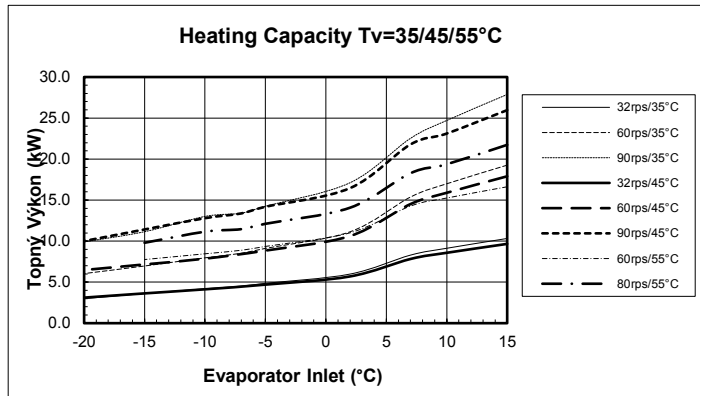
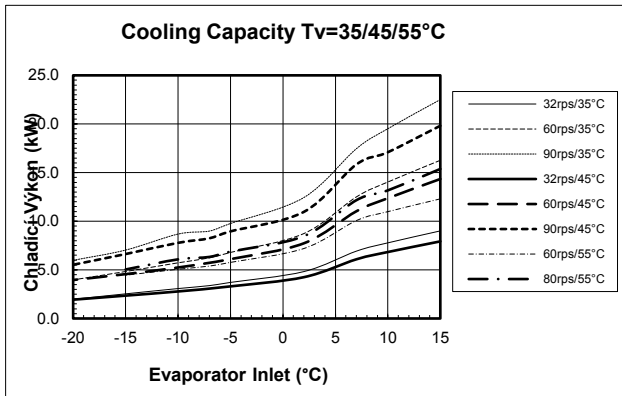
Defrost energy considered.

Performance Tolerance ±5%

Ecodesign	35°C	55°C
Pdesign	14.22	13.97 kW
SCOP	4.92	3.72 -
ETAs	1.939	1.460 -
Rating	A+++	A++

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Performance *



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

Dimensions, Connections

