

Technical Data BA45Z

Performances

		A10W35	A7W35*	A2W35*	A-7W35*	A-8W50
Heating Capacity	kW	20.6	18.2	13.7	11.9	10.9
Cooling Capacity	kW	16.8	14.4	10.0	8.2	5.8
Power In	kW	4.0	4.0	3.9	3.9	5.4
COP	-	5.1	4.5	3.5	3.1	2.0
Operating Current	A	6.9	6.9	6.8	6.6	9.2

Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	1.7	l
LRC***	66	A
Max. Op. Current	14.1	A

Evaporator

Type	Coil	
Material	Al/Cu	
Heat Transfer Area	42	m ²
Fin Spacing	2.0	mm
Max Overpressure	3.0	Mpa
Air Flow	5000	m ³ /h
Fan Motor	0.2	kW
Fan Diameter	420	mm
Speed	750	1/min
Sound Power Level	65	dB"A"
Defrost	Reversal	
Sound pressure level - 1/5/10 m	56/44/38	dB"A"****

Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.62	kg/s
Minimum flow	0.49	kg/s
Temp. Difference	8	K
Water volume	10.9	l
Max. Water Overp.	250	kPa
Max. Ref. Overp.	2.9	MPa
Pump Ext. Head	5	m
Pump Motor	260	W

Refrigerant Circuit

Refrigerant	R407c	
Charge	3.0	kg

Aux. Heater

Heating Capacity	7,5(+7,5) 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)	14 (25)	A

Connections and Dimensions

Hot Water	1	"OD
He x Wi x De	165x130x53 cm	
Weight	160	kg

Limits

Water Overpressure	0.25	MPa
Ref. Overpressure	2.9	MPa
Air Min/Max	-15/+30	°C
Water Min/Max	20/55	°C

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

"A2" Air Inlet +2°C

"W35" Water Outlet 35°C

Defrost energy considered.

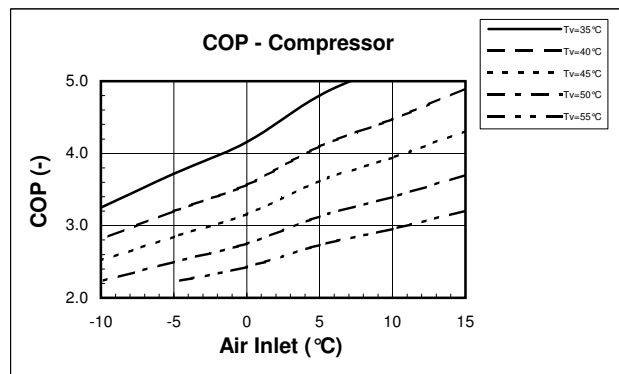
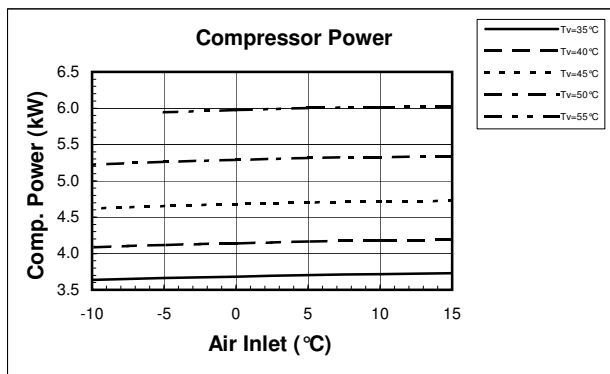
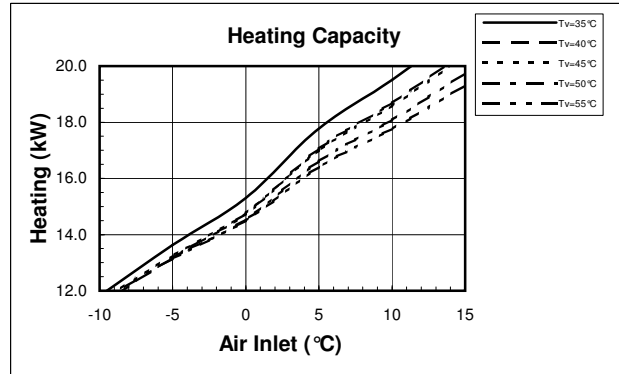
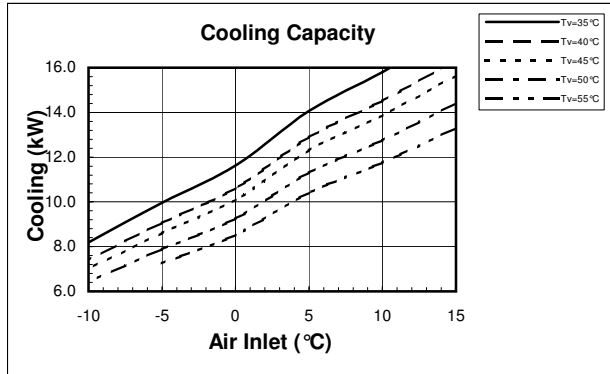
Performance Tolerance EN14511

*** Locked Rotor Current

**** Noise in the open air 1 m above the ground

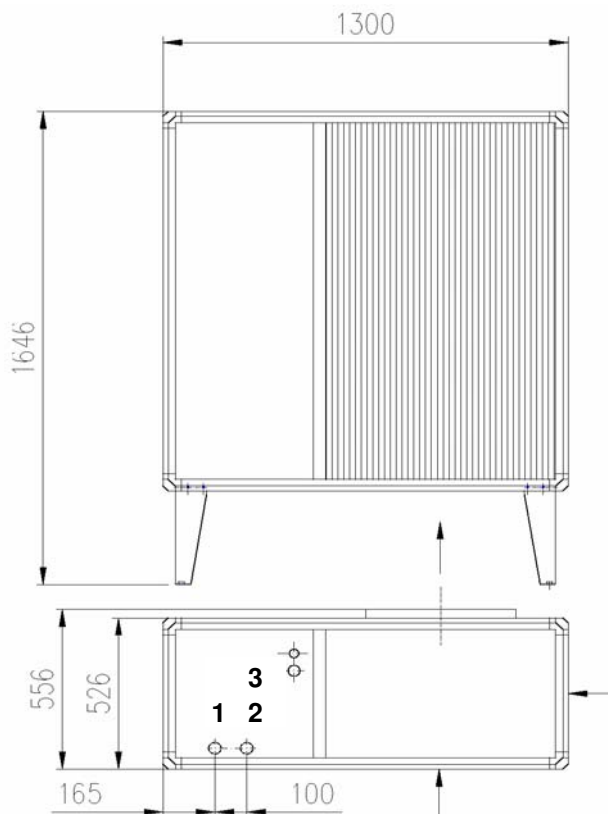
Technical Data BA45Z

Performance *



* Performance Tolerance $\pm 10\%$, defrost energy not included

Dimensions, Connections



1. Water Outlet 1" OD
2. Water Inlet 1" OD
3. Electrical Bushings
1xPG21
1xPG29

