

## Technical Data BA30Z

### Performances

		A10W35	A7W35*	A2W35*	A-7W35*	A-8W50
Heating Capacity	kW	13.9	12.2	9.1	7.7	7.3
Cooling Capacity	kW	11.3	9.6	6.5	5.0	3.6
Power In	kW	2.8	2.8	2.8	2.8	3.9
COP	-	4.9	4.3	3.2	2.7	1.9
Operating Current	A	5.0	5.0	4.9	4.8	6.8

### Compressor

Type	Scroll Sanyo	
Speed	2900	1/min
Charge POE oil	1.7	l
LRC***	48	A
Max. Op. Current	11.2	A

### Evaporator

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

### Condenser

Type	PHE	
Material	AISI316	
Water Flow	0.42	kg/s
Minimum flow	0.24	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	4.5	m
Pump Motor	100	W

### Refrigerant Circuit

Refrigerant	R407c	
Charge	3.0	kg

### Aux. Heater

Heating Capacity	6(+6)	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)	13 (23)	A

### Connections and Dimensions

Hot Water	1	"OD
He x Wi x De	165x130x53 cm	
Weight	155	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.

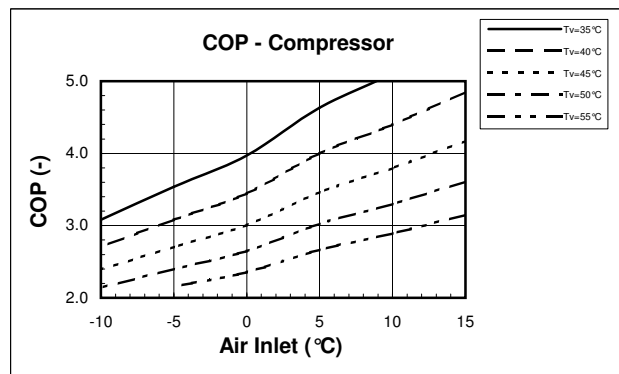
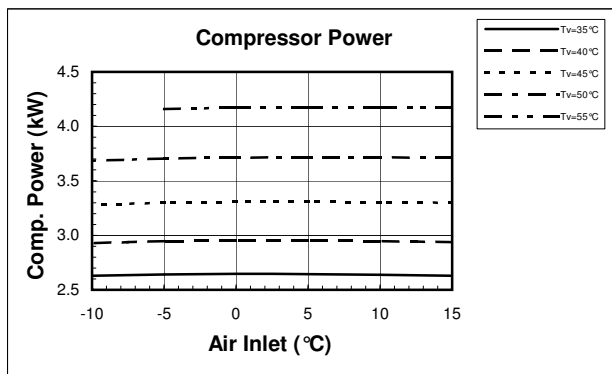
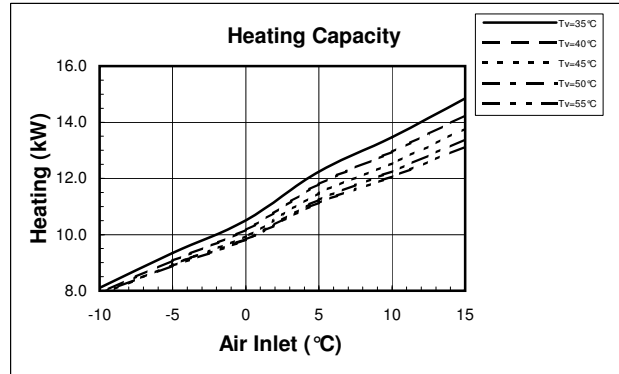
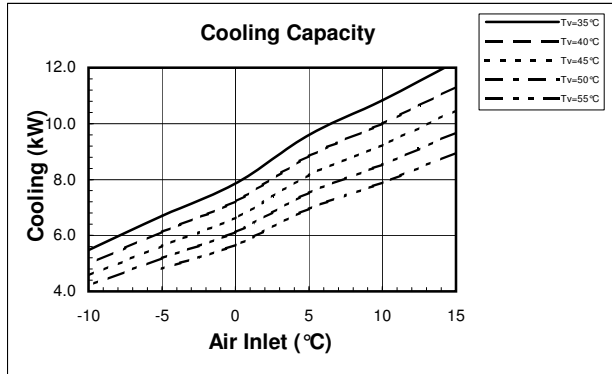
Performance Tolerance EN14511

\*\*\* Locked Rotor Current

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

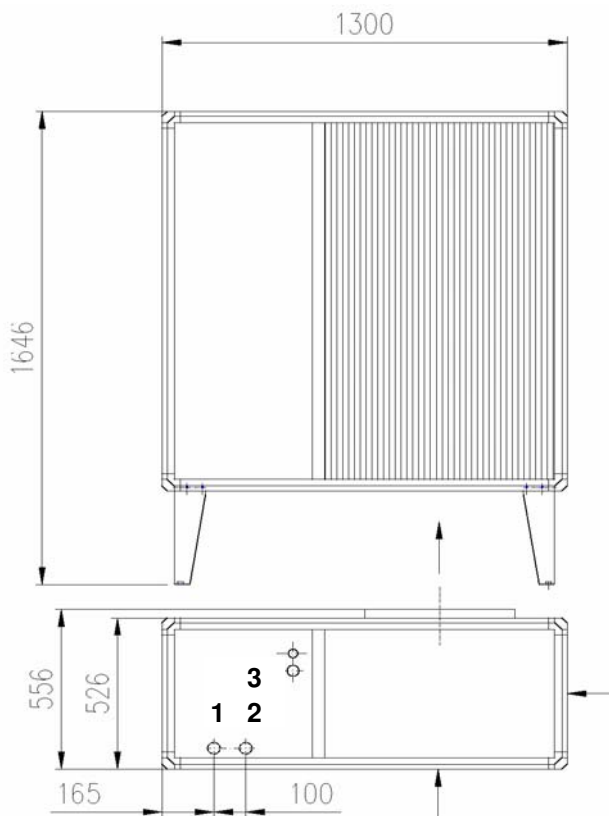
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### Performance \*



\* 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

