

**Subtype Monoblock A2W Heat Pump 12kw three-phase**

Certificate Holder	Foshan Shunde Zealux Electrical Appliances Co., Ltd.
Address	No.2-8, No.9 Road, Science and Technology zone, Xingtan Industrial Park, Xingtan Town, Shunde District, Foshan City
ZIP	528325
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Monoblock A2W Heat Pump 12kw three-phase
Registration number	011-1W0733
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.2 kg
Certification Date	27.10.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-03)

## Model XAH12Csi32T

Model name	XAH12Csi32T
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	67 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	188 %	131 %
Prated	8.46 kW	8.39 kW
SCOP	4.78	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.48 kW	7.42 kW
COP Tj = -7°C	3.17	2.02
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	4.55 kW	4.55 kW
COP Tj = +2°C	4.60	3.30
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.04 kW	3.31 kW
COP Tj = +7°C	6.17	4.34
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.61 kW	2.90 kW
COP Tj = 12°C	8.18	5.97
Cdh Tj = +12 °C	0.960	0.980
Pdh Tj = Tbiv	7.48 kW	7.42 kW
COP Tj = Tbiv	3.17	2.02

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.22 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	12 W	12 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.20 kW
Annual energy consumption Qhe	3653 kWh	5174 kWh

**Model ALSAVO HEAT 12iT**

Model name	ALSAVO HEAT 12iT
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	3x400V 50Hz
Off-peak product	n/a

**Outdoor Air/Water**
**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	67 dB(A)

**EN 14825 | Average Climate**

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