

## Subtype Monoblock A2W Heat Pump 16kw 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 16kw three-phase
Registration number	011-1W0734
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.4 kg
Certification Date	27.10.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-03)

## Model XAH16Csi32T

Model name	XAH16Csi32T
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.10 kW	13.40 kW
El input	3.60 kW	5.60 kW
COP	4.40	2.40

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	68 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	185 %	132 %
Prated	12.05 kW	12.25 kW
SCOP	4.69	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.66 kW	10.83 kW
COP Tj = -7°C	3.12	2.01
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.61 kW	6.72 kW
COP Tj = +2°C	4.56	3.42
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.24 kW	4.24 kW

COP Tj = +7°C	5.91	4.17
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.34 kW	4.21 kW
COP Tj = 12°C	7.89	5.90
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.66 kW	10.83 kW
COP Tj = Tbiv	3.12	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	10.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	1.55
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	36 W	36 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.10 kW
Annual energy consumption Qhe	5306 kWh	7500 kWh

## Model ALSAVO HEAT 16iT

Model name	ALSAVO HEAT 16iT
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.10 kW	13.40 kW
El input	3.60 kW	5.60 kW
COP	4.40	2.40

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	68 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	185 %	132 %
Prated	12.05 kW	12.25 kW
SCOP	4.69	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.66 kW	10.83 kW
COP Tj = -7°C	3.12	2.01
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.61 kW	6.72 kW
COP Tj = +2°C	4.56	3.42
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.24 kW	4.24 kW

COP Tj = +7°C	5.91	4.17
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	4.34 kW	4.21 kW
COP Tj = 12°C	7.89	5.90
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.66 kW	10.83 kW
COP Tj = Tbiv	3.12	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	10.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	1.55
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	36 W	36 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.10 kW
Annual energy consumption Qhe	5306 kWh	7500 kWh