

Subtype Monoblock A2W Heat Pump 12kw

Certificate Holder	Foshan Shunde Zealux Electrical Appliances Co., Ltd.
Address	No.2-8, No.9 Road, Science and Technology zone, Xingtian Industrial Park, Xingtian 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
Registration number	011-1W0660
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.2 kg
Certification Date	01.08.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 14 (as of 2024-04)

Model XAH12Csi32

Model name	XAH12Csi32
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 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	11.70 kW	10.40 kW
EI input	2.60 kW	3.60 kW
COP	4.47	2.90

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	133 %
Prated	8.67 kW	8.55 kW
SCOP	4.58	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.67 kW	7.57 kW
COP Tj = -7°C	3.23	2.24
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.66 kW	4.86 kW
COP Tj = +2°C	4.73	3.57
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.33 kW	3.31 kW
COP Tj = +7°C	5.85	4.23

Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.63 kW	2.80 kW
COP Tj = 12°C	7.27	5.39
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.67 kW	7.57 kW
COP Tj = Tbiv	3.23	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.48 kW	6.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	4 W	4 W
PSB	5 W	5 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.20 kW	2.40 kW
Annual energy consumption Qhe	3909 kWh	5188 kWh

Model ALSAVO HEAT 12i

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

General data

Power supply	1x230V 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	11.70 kW	10.40 kW
EI input	2.60 kW	3.60 kW
COP	4.47	2.90

EN 12102-1 | Average Climate

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COP Tj = +2°C	4.73	3.57
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COP Tj = Tbiv	3.23	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.48 kW	6.18 kW
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