

Subtype Monoblock EVI 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, 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 EVI A2W Heat Pump 12kw three_phase
Registration number	011-1W0794
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.2 kg
Certification Date	31.05.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model XAH12Csiu32T

Model name	XAH12Csiu32T
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
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	12.00 kW	11.00 kW
EI input	2.70 kW	4.20 kW
COP	4.40	2.80

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	185 %	133 %
Prated	9.23 kW	8.46 kW
SCOP	4.71	3.39
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.57 kW
COP Tj = -7°C	3.14	2.13
Cdh Tj = -7 °C	0.980	0.980
Pdh Tj = +2°C	5.13 kW	4.61 kW
COP Tj = +2 °C	4.86	3.46
Cdh Tj = +2 °C	0.940	0.950
Pdh Tj = +7°C	4.34 kW	4.32 kW
COP Tj = +7°C	6.48	4.87

Cdh Tj = +7 °C	0.910	0.930
Pdh Tj = 12°C	5.22 kW	4.74 kW
COP Tj = 12°C	9.74	6.41
Cdh Tj = +12 °C	0.900	0.910
Pdh Tj = Tbiv	9.23 kW	8.46 kW
COP Tj = Tbiv	2.90	1.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.23 kW	8.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	1.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	63 W	63 W
PSB	11 W	11 W
PCK	39 W	39 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4047 kWh	5159 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	161 %	118 %
Prated	11.35 kW	11.45 kW
SCOP	4.11	3.04
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.19 kW	7.04 kW
COP Tj = -7°C	3.39	2.59
Cdh Tj = -7 °C	0.970	0.980
Pdh Tj = +2°C	4.33 kW	4.18 kW
COP Tj = +2°C	4.95	3.55
Cdh Tj = +2 °C	0.930	0.950
Pdh Tj = +7°C	4.41 kW	4.44 kW
COP Tj = +7°C	6.98	5.57
Cdh Tj = +7 °C	0.900	0.920
Pdh Tj = 12°C	5.22 kW	4.94 kW
COP Tj = 12°C	9.74	7.49
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	9.25 kW	9.34 kW
COP Tj = Tbiv	2.90	2.02

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.46 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31	1.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	63 W	63 W
PSB	11 W	11 W
PCK	39 W	39 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.89 kW	6.25 kW
Annual energy consumption Qhe	6801 kWh	9297 kWh
Pdh Tj = -15°C (if TOL)	9.25	9.34
COP Tj = -15°C (if TOL)	2.90	2.02
Cdh Tj = -15 °C	0.980	0.990

Model ALSAVO HEAT 12iuT

Model name	ALSAVO HEAT 12iuT
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
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**

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