

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
ης	188 %	131 %
Prated	8.46 kW	8.39 kW
SCOP	4.78	3.35
ГЬіν	-7 °C	-7 °C
ΓOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.48 kW	7.42 kW
$COP Tj = -7^{\circ}C$	3.17	2.02
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	4.55 kW	4.55 kW
$COP Tj = +2^{\circ}C$	4.60	3.30
Cdh Tj = +2 °C	0.990	0.990
$Pdh Tj = +7^{\circ}C$	3.04 kW	3.31 kW
$COP Tj = +7^{\circ}C$	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
·	0.960	0.980
Can I = +12 °C	0.900	0.500
Cdh Tj = +12 °C Pdh Tj = Tbiv	7.48 kW	7.42 kW



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		
	Low temperature	Medium temperature
ης	188 %	131 %
Destad	0.46.1344	
Prated	8.46 kW	8.39 kW
SCOP	4.78	3.35
SCOP Tbiv		3.35 -7 °C
SCOP Tbiv TOL	4.78 -7 °C -10 °C	3.35 -7 °C -10 °C
SCOP Tbiv TOL Pdh Tj = -7°C	4.78 -7 °C -10 °C 7.48 kW	3.35 -7 °C -10 °C 7.42 kW
SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	4.78 -7 °C -10 °C 7.48 kW 3.17	3.35 -7 °C -10 °C 7.42 kW 2.02
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17 0.980	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34 0.980
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C Pdh Tj = $+7^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17 0.980 2.61 kW	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34 0.980 2.90 kW
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17 0.980 2.61 kW 8.18	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34 0.980 2.90 kW 5.97
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17 0.980 2.61 kW 8.18 0.960	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34 0.980 2.90 kW 5.97 0.980
SCOP Tbiv TOL Pdh Tj = -7° C COP Tj = -7° C Cdh Tj = -7° C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C Cdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C	4.78 -7 °C -10 °C 7.48 kW 3.17 0.990 4.55 kW 4.60 0.990 3.04 kW 6.17 0.980 2.61 kW 8.18	3.35 -7 °C -10 °C 7.42 kW 2.02 1.000 4.55 kW 3.30 0.990 3.31 kW 4.34 0.980 2.90 kW 5.97



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