

Subtype HAWS***B1E7A?08kW/10kW?

Certificate Holder	Guangdong Haiwu Technology Co., Ltd
Address	No. 1 Haiwu Road Zhangmutou Town
ZIP	523637 Dongguan City
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	HAWS***B1E7A?08kW/10kW?
Registration number	011-1W0644
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.35 kg
Certification Date	26.06.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-04)

Model HAWS008B1E7A

Model name	HAWS008B1E7A
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	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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.58	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.03 kW	7.24 kW
COP Tj = -7°C	2.77	2.32
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.46 kW	4.32 kW
COP Tj = +2°C	4.26	3.21
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.82 kW	2.87 kW
COP Tj = +7°C	6.27	4.13
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	3.33 kW	3.21 kW
COP Tj = 12°C	11.06	5.60
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.03 kW	7.24 kW
COP Tj = Tbiv	2.77	2.32

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.69 kW	6.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.31 kW	1.29 kW
Annual energy consumption Qhe	3609 kWh	4947 kWh

Model HAWS010B1E7A

Model name	HAWS010B1E7A
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	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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	182 %	131 %
Prated	9.00 kW	9.00 kW
SCOP	4.63	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.75 kW	7.90 kW
COP Tj = -7°C	2.90	2.33
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.13 kW	4.89 kW
COP Tj = +2°C	4.42	3.22
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.02 kW	3.14 kW
COP Tj = +7°C	6.25	4.23
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	3.21 kW	3.15 kW
COP Tj = 12°C	10.41	5.33
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.75 kW	7.90 kW
COP Tj = Tbiv	2.90	2.33

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.54 kW	7.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	65 °C	65 °C
Poff	10 W	10 W
PTO	20 W	20 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.46 kW	1.49 kW
Annual energy consumption Qhe	4013 kWh	5544 kWh