

Subtype HAWS***B1H0A?10/12kW?

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***B1H0A?10/12kW?
Registration number	011-1W0702
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.2 kg
Certification Date	10.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model HAWS010B1H0A

Model name	HAWS010B1H0A
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	51 dB(A)	51 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	191 %	146 %
Prated	8.60 kW	9.00 kW
SCOP	4.85	3.73
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.66 kW	8.04 kW
COP Tj = -7°C	3.08	2.26
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	4.98 kW	5.10 kW
COP Tj = +2°C	4.68	3.66
Cdh Tj = +2 °C	0.992	0.994
Pdh Tj = +7°C	3.64 kW	3.45 kW
COP Tj = +7°C	6.81	5.08
Cdh Tj = +7 °C	0.985	0.988
Pdh Tj = 12°C	4.19 kW	4.04 kW
COP Tj = 12°C	8.92	6.91
Cdh Tj = +12 °C	0.983	0.986
Pdh Tj = Tbiv	7.66 kW	8.04 kW
COP Tj = Tbiv	3.08	2.26

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.58 kW	8.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	25 W	25 W
PSB	10 W	10 W
PCK	75 W	75 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.02 kW	0.98 kW
Annual energy consumption Qhe	3700 kWh	5020 kWh

Model HAWS012B1H0A

Model name	HAWS012B1H0A
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	51 dB(A)	51 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	146 %
Prated	9.00 kW	9.40 kW
SCOP	4.65	3.73
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.98 kW	8.39 kW
COP Tj = -7°C	2.90	2.37
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	4.96 kW	5.11 kW
COP Tj = +2°C	4.37	3.49
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = +7°C	3.59 kW	3.53 kW
COP Tj = +7°C	6.80	5.34
Cdh Tj = +7 °C	0.985	0.988
Pdh Tj = 12°C	4.26 kW	4.08 kW
COP Tj = 12°C	9.28	7.08
Cdh Tj = +12 °C	0.983	0.986
Pdh Tj = Tbiv	7.98 kW	8.39 kW
COP Tj = Tbiv	2.90	2.37

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.78 kW	8.29 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	25 W	25 W
PSB	10 W	10 W
PCK	75 W	75 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.22 kW	1.11 kW
Annual energy consumption Qhe	4000 kWh	5260 kWh