

Subtype ThermaX Mono 26/30kW

Certificate Holder	GD Shenling Thermal Tech Co., Ltd
Address	No.29 Shunye East Rd.
ZIP	528325
City	Foshan
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ThermaX Mono 26/30kW
Registration number	011-1W0923
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	4.6 kg
Certification Date	07.11.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model HPM-V260W/SR2

Model name	HPM-V260W/SR2
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	26.71 kW	27.28 kW
El input	6.02 kW	9.46 kW
COP	4.44	2.88

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	189 %	143 %
Prated	25.10 kW	26.20 kW
SCOP	4.81	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	23.26 kW	23.45 kW
COP Tj = -7°C	2.77	2.20
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	13.25 kW	13.47 kW
COP Tj = +2°C	4.42	3.39
Cdh Tj = +2 °C	0.994	0.995
Pdh Tj = +7°C	8.46 kW	8.79 kW

COP Tj = +7°C	7.30	5.15
Cdh Tj = +7 °C	0.984	0.989
Pdh Tj = 12°C	7.19 kW	6.91 kW
COP Tj = 12°C	9.78	7.40
Cdh Tj = +12 °C	0.976	0.981
Pdh Tj = Tbiv	23.26 kW	23.45 kW
COP Tj = Tbiv	2.77	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	20.13 kW	22.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	62 °C	62 °C
Poff	17 W	17 W
PTO	18 W	18 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.00 kW	3.50 kW
Annual energy consumption Qhe	10783 kWh	14814 kWh

Model HPM-V300W/SR2

Model name	HPM-V300W/SR2
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	30.90 kW	31.47 kW
El input	7.27 kW	11.58 kW
COP	4.25	2.72

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	184 %	142 %
Prated	29.18 kW	29.69 kW
SCOP	4.68	3.62
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	23.26 kW	24.18 kW
COP Tj = -7°C	2.77	2.14
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	14.45 kW	15.13 kW
COP Tj = +2°C	4.40	3.47
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	9.65 kW	10.01 kW

COP Tj = +7°C	7.25	5.20
Cdh Tj = +7 °C	0.986	0.991
Pdh Tj = 12°C	7.19 kW	6.91 kW
COP Tj = 12°C	9.78	7.40
Cdh Tj = +12 °C	0.976	0.981
Pdh Tj = Tbiv	23.70 kW	24.43 kW
COP Tj = Tbiv	2.92	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.42 kW	23.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.998	0.998
WTOL	62 °C	62 °C
Poff	17 W	17 W
PTO	18 W	18 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.80 kW	6.30 kW
Annual energy consumption Qhe	12885 kWh	16955 kWh