

Subtype Monobloc Heat pump 10KW

Certificate Holder	Guangdong Carrier Heating, Ventilation & Air Conditioning Company Limited
Address	No.28-5, Eastern Industrial Park, Lishui Town, Nanhai District
ZIP	528244 Foshan
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Monobloc Heat pump 10KW
Registration number	011-1W0693
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	09.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model CE-HRDL-10/BPDR4Y-H9-D01

Model name	CE-HRDL-10/BPDR4Y-H9-D01
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	10.00 kW	9.50 kW
El input	2.22 kW	3.54 kW
COP	4.50	2.68

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	196 %	134 %
Prated	9.73 kW	9.09 kW
SCOP	4.98	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.61 kW	8.04 kW
COP Tj = -7°C	2.93	1.97
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.05 kW	4.74 kW
COP Tj = +2°C	4.70	3.25
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.67 kW	3.55 kW

COP Tj = +7°C	7.29	5.01
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.03 kW	3.96 kW
COP Tj = 12°C	10.15	7.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.61 kW	8.04 kW
COP Tj = Tbiv	2.93	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.24 kW	7.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	62 °C	62 °C
Poff	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.49 kW	1.54 kW
Annual energy consumption Qhe	3980 kWh	5378 kWh