

Subtype Split 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	Split Heat pump 10KW
Registration number	011-1W0698
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2 kg
Certification Date	09.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model CS-D010H/R4-D01□CHD-010EP/R4)

Model name	CS-D010H/R4-D01□CHD-010EP/R4)
Application	Heating (medium temp)
Units	Indoor, 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 indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	127 %
Prated	9.50 kW	9.00 kW
SCOP	4.65	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.36 kW	8.04 kW
COP Tj = -7°C	2.88	2.03
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.25 kW	4.91 kW
COP Tj = +2°C	4.43	3.15
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.54 kW	3.25 kW
COP Tj = +7°C	6.47	4.38
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.77 kW	3.70 kW
COP Tj = 12°C	9.82	7.21
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.36 kW	8.04 kW

COP Tj = Tbiv	2.88	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.23 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	62 °C	62 °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	1.27 kW	1.70 kW
Annual energy consumption Qhe	4150 kWh	5585 kWh