

## Subtype Split Heat pump 4/6KW

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 4/6KW
Registration number	011-1W0696
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	09.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

## Model CS-D004H/R4-D01(CHD-006EP/R4)

Model name	CS-D004H/R4-D01(CHD-006EP/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	41 dB(A)	41 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	186 %	127 %
Prated	6.00 kW	5.50 kW
SCOP	4.73	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.40 kW	4.87 kW
COP Tj = -7°C	2.89	2.05
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.31 kW	2.97 kW
COP Tj = +2°C	4.48	3.02
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.20 kW	2.50 kW
COP Tj = +7°C	6.36	4.50
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.31 kW	2.43 kW
COP Tj = 12°C	9.57	6.89
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.40 kW	4.87 kW

COP $T_j = T_{biv}$	2.89	2.05
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	5.11 kW	5.00 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.61	1.73
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.900	0.900
WTOL	62 °C	62 °C
P <sub>off</sub>	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	0.89 kW	0.50 kW
Annual energy consumption Q <sub>he</sub>	2645 kWh	3513 kWh

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