Subtype Split Heat Pump 4 6 kW

Certificate Holder	Zhejiang Zhongguang Electrical Co., Ltd.
Address	No. 96 Yunjing Road Shuige Industry Area, Lishui
ZIP	323000
City	Zhejiang
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Split Heat Pump 4 6 kW
Registration number	011-1W0641
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.05 kg
Certification Date	16.06.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 11 (as of 2022-09)

Model Outdoor unit AHbS4VR3H/O and indoor unit AHbS6VR3H/IP	
Model name	Outdoor unit AHbS4VR3H/O and indoor unit AHbS6VR3H/IP
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	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	196 %	137 %
Prated	5.54 kW	4.64 kW
SCOP	4.97	3.51
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.88 kW	4.10 kW
COP Tj = -7°C	3.03	2.12
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.94 kW	2.58 kW
COP Tj = +2°C	4.75	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.10 kW	1.73 kW
COP Tj = +7°C	6.98	4.35
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	1.80 kW	1.69 kW
COP Tj = 12°C	10.24	7.21
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	4.88 kW	4.04 kW

COP Tj = Tbiv	3.03	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	28 W	28 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	0.60 kW
Annual energy consumption Qhe	2291 kWh	2725 kWh

Model Outdoor unit AHbS6VR3H/O and indoor unit AHbS6VR3H/IP

Model name	Outdoor unit AHbS6VR3H/O and indoor unit AHbS6VR3H/IP
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	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	197 %	141 %
Prated	5.90 kW	5.60 kW
SCOP	4.99	3.61
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.19 kW	4.92 kW
COP Tj = -7°C	3.03	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.26 kW	3.03 kW
COP Tj = +2°C	4.77	3.50
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.00 kW	1.96 kW
COP Tj = +7°C	6.79	4.75
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	10.66	7.90
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	5.19 kW	4.92 kW

COP Tj = Tbiv	3.03	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.78 kW	4.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.74
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	28 W	28 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.12 kW	1.49 kW
Annual energy consumption Qhe	2429 kWh	3188 kWh