

Subtype Split Type EVI DC Inverter Air to Water Heat Pump- R32- 65

Certificate Holder	AOKOL Environment Technology Co., Ltd.
Address	No 1, building 1, No.550, Kangzhuang South Road, Zhuangqiao Street, Jiangbei District, Ningbo City, Zhejiang Province,
ZIP	
City	
Country	CN
Certification Body	BRE Global Limited
Subtype title	Split Type EVI DC Inverter Air to Water Heat Pump- R32- 65
Registration number	041-K081-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.3 kg
Certification Date	12.01.2024
Testing basis	Heat Pump KEYMARK certification Scheme rules v13

Model ASH-65CHW/FR

Model name	ASH-65CHW/FR
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	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	14.46 kW	18.29 kW
El input	3.63 kW	7.27 kW
COP	3.98	2.52

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	71 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	133 %
Prated	14.73 kW	14.58 kW
SCOP	4.56	3.39
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	13.03 kW	12.90 kW
COP Tj = -7°C	3.11	2.09
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.15 kW	7.90 kW
COP Tj = +2°C	4.60	3.38
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	5.29 kW	5.40 kW
COP Tj = +7°C	5.33	4.23
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.28 kW	5.99 kW
COP Tj = 12°C	7.52	6.29
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.03 kW	12.90 kW
COP Tj = Tbiv	3.11	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.63 kW	14.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	10 W	10 W
PTO	36 W	36 W
PSB	10 W	10 W
PCK	50 W	50 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.08 kW
Annual energy consumption Qhe	6670 kWh	8875 kWh