Subtype Inverter Air Source Heat Pump- R32- 15

Certificate Holder	Guangzhou Dentwiton Manufacture Co., Ltd.
Address	No.3, No. 9, Huasheng Beiroad, Xicheng industry zone, Renhe town, Baiyun district,
ZIP	
City	Guangzhou
Country	CN
Certification Body	BRE Global Limited
Subtype title	Inverter Air Source Heat Pump- R32- 15
Registration number	041-K077-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.4 kg
Certification Date	24.11.2023
Testing basis	Heat Pump KEYMARK certification Scheme rules v12
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model RS15V/L	
Model name	RS15V/L
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	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	15.03 kW	15.82 kW
El input	3.25 kW	5.28 kW
COP	4.63	2.99

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	69 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	177 %	133 %
Prated	14.57 kW	13.59 kW
SCOP	4.51	3.39
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	12.89 kW	12.02 kW
COP Tj = -7°C	3.07	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.69 kW	7.19 kW
COP Tj = +2°C	4.53	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.10 kW	7.62 kW

COP Tj = +7°C	6.21	4.56
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	9.10 kW	8.77 kW
COP Tj = 12°C	8.02	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.89 kW	12.02 kW
COP Tj = Tbiv	3.07	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.88 kW	12.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	18 W	18 W
PTO	18 W	18 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.21 kW
Annual energy consumption Qhe	6678 kWh	8272 kWh