

Subtype EDM9016S

Certificate Holder	Foshan City Shunde Yuelly Energy-Saving Equipment Co., Ltd
Address	C Zone No. 3 Zhanye Rd Honggang Industry Daliang Shunde Foshan City
ZIP	
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	EDM9016S
Registration number	041-K079-04
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.5 kg
Certification Date	05.12.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 12

Model EDM9016S

Model name	EDM9016S
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	16.00 kW	16.00 kW
El input	3.33 kW	5.16 kW
COP	4.80	3.10

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	192 %	144 %
Prated	14.63 kW	14.60 kW
SCOP	4.88	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.94 kW	12.94 kW
COP Tj = -7°C	3.18	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.94 kW	7.94 kW
COP Tj = +2°C	4.54	3.40
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.89 kW	6.63 kW

COP Tj = +7°C	6.89	5.31
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.69 kW	6.28 kW
COP Tj = 12°C	8.98	7.16
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.94 kW	12.94 kW
COP Tj = Tbiv	3.18	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.55 kW	14.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.87	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	14 W	14 W
PTO	14 W	14 W
PSB	14 W	14 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.08 kW	0.00 kW
Annual energy consumption Qhe	6206 kWh	8213 kWh