

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
Testing laboratory	SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch, CN

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
ηs	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