

Subtype EDM9010S

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	EDM9010S
Registration number	041-K079-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 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 EDM9010S

Model name	EDM9010S
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	10.00 kW	10.00 kW
EI input	2.08 kW	3.33 kW
COP	4.80	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	194 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.93	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.77 kW	9.85 kW
COP Tj = -7°C	3.23	2.38
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.03 kW	5.96 kW
COP Tj = +2°C	4.62	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.06 kW	4.00 kW

COP Tj = +7°C	6.65	5.00
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.70 kW	4.10 kW
COP Tj = 12°C	9.15	6.76
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	9.77 kW	9.85 kW
COP Tj = Tbiv	3.23	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.78 kW	11.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.11
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	0.22 kW	0.00 kW
Annual energy consumption Qhe	4643 kWh	6259 kWh