Subtype X-Force 8 kW

Certificate Holder	INVENTOR A.G. SINGLE MEMBER ELECTRIC APPLIANCES S.A.
Address	2 Thoukididou str. & 24th km National Road Athens - Lamia
ZIP	14565
City	Agios Stefanos
Country	GR
Certification Body	BRE Global Limited
Subtype title	X-Force 8 kW
Registration number	041-K014-05
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	19.12.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 09
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model XFM*08S*		
Model name	XFM*08S*	
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	1x230V 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	7.99 kW	7.59 kW
El input	1.89 kW	3.16 kW
COP	4.24	2.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	60 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	175 %	125 %
Prated	7.80 kW	6.69 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.88 kW	5.92 kW
COP Tj = -7°C	2.49	1.85
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.21 kW	3.92 kW
COP Tj = +2°C	4.44	3.11
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.91 kW	2.99 kW

COP Tj = +7°C	6.00	4.42
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.27 kW	3.60 kW
COP Tj = 12°C	8.32	6.14
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	6.88 kW	5.92 kW
COP Tj = Tbiv	2.49	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	65 °C	65 °C
Poff	7 W	7 W
PTO	19 W	19 W
PSB	7 W	7 W
PCK	17 W	17 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.51 kW	1.33 kW
Annual energy consumption Qhe	3607 kWh	4312 kWh