Subtype X-Force 4 6 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 4 6 kW
Registration number	041-K014-08
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.03 kg
Certification Date	10.01.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model XFM*06S*	
Model name	XFM*06S*
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	6.10 kW	6.15 kW
El input	1.25 kW	2.19 kW
COP	4.88	2.81

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	60 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	127 %
Prated	5.81 kW	5.68 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.14 kW	5.03 kW
COP Tj = -7°C	3.05	2.11
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.49 kW	3.15 kW
COP Tj = +2°C	4.27	3.26
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.34 kW	2.15 kW

COP Tj = +7°C	5.60	3.87
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.17 kW	2.24 kW
COP Tj = 12°C	7.98	5.56
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	5.14 kW	5.03 kW
COP Tj = Tbiv	3.05	2.11
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.53 kW	4.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	66 °C	66 °C
Poff	7 W	7 W
PTO	18 W	18 W
PSB	7 W	7 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.28 kW	1.28 kW
Annual energy consumption Qhe	2677 kWh	3605 kWh