

Subtype X-Force 8 kW

Certificate Holder	Inventor A.G. 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

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 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
η_s	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