

Subtype X-Force 8 10 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 10 kW
Registration number	041-K014-09
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	10.01.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model XFM*10S*

Model name	XFM*10S*
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	181 %	132 %
Prated	8.82 kW	7.39 kW
SCOP	4.60	3.37
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.80 kW	6.54 kW
COP Tj = -7°C	2.93	2.08
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.19 kW	4.41 kW
COP Tj = +2°C	4.59	3.36
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.38 kW	3.84 kW
COP Tj = +7°C	5.66	4.14
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.40 kW	3.57 kW
COP Tj = 12°C	7.38	6.15
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.80 kW	6.54 kW
COP Tj = Tbiv	2.93	2.08

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.65 kW	6.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	1.68
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	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.17 kW	0.46 kW
Annual energy consumption Qhe	3963 kWh	4533 kWh