

## Subtype X-Force 14 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 14 kW
Registration number	041-K014-10
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.1 kg
Certification Date	10.01.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

## Model XFM\*14S\*

Model name	XFM*14S*
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	63 dB(A)	65 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	177 %	125 %
Prated	13.54 kW	13.34 kW
SCOP	4.50	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.98 kW	11.80 kW
COP Tj = -7°C	2.56	2.05
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	7.30 kW	7.53 kW
COP Tj = +2°C	4.54	3.08
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.19 kW	4.73 kW
COP Tj = +7°C	5.77	4.10
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.30 kW	5.53 kW
COP Tj = 12°C	7.86	5.93
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.98 kW	11.80 kW
COP Tj = Tbiv	2.56	2.05

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.06 kW	11.85 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.38	1.71
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	20 W	20 W
PSB	7 W	7 W
PCK	28 W	28 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.48 kW	1.49 kW
Annual energy consumption Qhe	6220 kWh	8584 kWh