

## Subtype X-Force 14 kW T

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 T
Registration number	041-K014-11
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.1 kg
Certification Date	06.02.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

## Model XFM\*14T\*

Model name	XFM*14T*
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	3x400V 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	62 dB(A)	65 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	176 %	130 %
Prated	12.79 kW	12.23 kW
SCOP	4.47	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.32 kW	10.82 kW
COP Tj = -7°C	2.45	1.97
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	6.90 kW	7.36 kW
COP Tj = +2°C	4.25	3.26
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	6.64 kW	5.54 kW
COP Tj = +7°C	6.52	4.34
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.74 kW	6.09 kW
COP Tj = 12°C	8.88	6.09
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.32 kW	10.82 kW
COP Tj = Tbiv	2.45	1.97

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.27 kW	11.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	30 W	30 W
PSB	12 W	12 W
PCK	25 W	25 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.52 kW	1.10 kW
Annual energy consumption Qhe	5912 kWh	7599 kWh