

This information was generated by the HP KEYMARK database on 18 Mar 2022

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Summary of	InelioDynamic 13	Reg. No.	ICIM-PDC-000102-00
Certificate Holder			
Name	FHE Manufacturing		
Address	Parc Atlantic Free Zone - Commune Amer Selfia - RN4 - Lot. 210	Zip	
City	Kenitra	Country	Morocco
Certification Body	ICIM S.p.A.		
Subtype title	InelioDynamic 13		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.5 kg		
Certification Date	16.06.2021		

Model: InelioDynamic 13 TRI

Configure model	
Model name	InelioDynamic 13 TRI
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.16 kW	7.36 kW
El input	2.54 kW	3.51 kW
COP	4.00	2.10

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	151 %	114 %
Prated	7.83 kW	6.91 kW
SCOP	3.86	2.92
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.93 kW	6.11 kW
COP Tj = -7°C	2.67	1.62
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.56 kW	3.64 kW
COP Tj = +2°C	3.81	2.98
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.83 kW	4.55 kW
COP Tj = +7°C	4.56	4.16
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.12 kW	3.90 kW

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COP Tj = 12°C	6.93	6.52
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.93 kW	6.11 kW
COP Tj = Tbiv	2.67	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.99 kW	4.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31	1.19
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	5 W	5 W
PTO	8 W	8 W
PSB	5 W	5 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.84 kW	2.50 kW
Annual energy consumption Qhe	4196 kWh	4880 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Heating up time	2:40 h:min
Reference hot water temperature	46.7 °C
Mixed water at 40°C	377 l
Efficiency η_{DHW}	89 %
COP	2.13
Standby power input	59.3 W

Model: InelioDynamic 13

Configure model	
Model name	InelioDynamic 13
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

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Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
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