

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	InelioDynamic 16	Reg. No.	ICIM-PDC-000103-00
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 16		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.1 kg		
Certification Date	16.06.2021		

Model: InelioDynamic 16 TRI

Configure model	
Model name	InelioDynamic 16 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 14511-2		
	Low temperature	Medium temperature
Heat output	13.57 kW	10.26 kW
El input	3.35 kW	4.83 kW
COP	4.06	2.13

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

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	153 %	111 %
Prated	9.83 kW	9.52 kW
SCOP	3.91	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.70 kW	8.42 kW
COP Tj = -7°C	2.49	1.58
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.95 kW	5.09 kW
COP Tj = +2°C	3.72	2.83
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	3.53 kW
COP Tj = +7°C	5.53	3.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.86 kW	4.57 kW

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COP Tj = 12°C	6.64	6.01
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.70 kW	8.42 kW
COP Tj = Tbiv	2.49	1.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.96 kW	6.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.24	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	1.88 kW	2.72 kW
Annual energy consumption Qhe	5194 kWh	6931 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	85 %
COP	2.05
Heating up time	2:40 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	377 l

Model: InelioDynamic 16

Configure model	
Model name	InelioDynamic 16
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

EN 14511-2		
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Heat output	13.57 kW	10.26 kW
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COP	4.06	2.13

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