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

#### Login

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
СОР	4.06	2.13

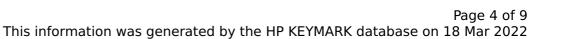
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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
РТО	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)





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EN 16147		
Declared load profile	XL	
Mixed water at 40°C	377 I	
Efficiency ηDHW	85 %	
СОР	2.05	
Heating up time	2:40 h:min	
Standby power input	47.0 W	
Reference hot water temperature	47.0 °C	



# **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

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СОР	4.06	2.13

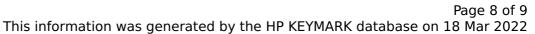
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