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Summary of	InelioDynamic 10	Reg. No.	ICIM-PDC-000101-00
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 10		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.46 kg		
Certification Date	16.06.2021		

Model: InelioDynamic 10

Configure model	
Model name	InelioDynamic 10
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		
	Low temperature	Medium temperature
Heat output	8.08 kW	5.87 kW
El input	1.93 kW	2.71 kW
COP	4.19	2.17

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

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	159 %	113 %
Prated	6.51 kW	5.50 kW
SCOP	4.05	2.91
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	4.87 kW
COP Tj = -7°C	2.83	1.83
Pdh Tj = +2°C	3.54 kW	3.02 kW
COP Tj = +2°C	3.82	2.85
Pdh Tj = +7°C	2.27 kW	1.85 kW
COP Tj = +7°C	5.29	3.67
Pdh Tj = 12°C	1.52 kW	1.48 kW
COP Tj = 12°C	6.45	5.63
Pdh Tj = Tbiv	5.76 kW	4.87 kW
COP Tj = Tbiv	2.83	1.83

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$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	5.42 kW	3.97 kW
$COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$	2.61	1.46
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.90	0.90
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	1.09 kW	1.53 kW
Annual energy consumption Q_{he}	3326 kWh	3904 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Heating up time	3:41 h:min
Reference hot water temperature	46.7 °C
Mixed water at 40°C	364 l
Efficiency η_{DHW}	94 %
COP	2.25
Standby power input	53.2 W