

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

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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 |
|---------------|-----------------|--------------------|
| $\eta_s$      | 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

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 94 %       |
| COP                             | 2.25       |
| Heating up time                 | 3:41 h:min |
| Standby power input             | 53.2 W     |
| Reference hot water temperature | 46.7 °C    |
| Mixed water at 40°C             | 364 l      |