

Subtype ECO250

Certificate Holder	Energie est, Lda.
Address	Zona Industrial de Laúndos, lote 48
ZIP	4570-311, Laúndos
City	Póvoa de Varzim
Country	PT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ECO250
Registration number	011-1W0351
Heat Pump Type	Heat Pump for Domestic Hot Water (DHW)
Refrigerant	R134a
Mass of Refrigerant	1.3 kg
Certification Date	28.06.2024
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 14 (as of 2024-04)

**Model Eco 250i**

Model name	Eco 250i
Application	n/a
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	No

**Heat Pump for Domestic Hot Water (DHW)**
**EN 16147 | Operating test**

Temperature operating range	2
Safety devices checking test	2
Condensate draining	2

**EN 12102-2 | Average Climate**

Sound power level indoor	47 dB(A)
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**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	127 %
COP	3.11
Heating up time	10:30 h:min
Standby power input	24.8 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	328 l

**EN 12102-2 | Colder Climate**

Sound power level indoor	47 dB(A)
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**EN 16147 | Colder Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	121 %
COP	2.94
Heating up time	12:06 h:min
Standby power input	31.1 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	349 l

**EN 12102-2 | Warmer Climate**

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	155 %
COP	3.78
Heating up time	8:15 h:min
Standby power input	47.0 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	349 l

**Model Eco 250ix**

Model name	Eco 250ix
Application	n/a
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	No

**Heat Pump for Domestic Hot Water (DHW)**
**EN 16147 | Operating test**

Temperature operating range	2
Safety devices checking test	2
Condensate draining	2

**EN 12102-2 | Average Climate**

Sound power level indoor	47 dB(A)
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**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	127 %
COP	3.11
Heating up time	10:30 h:min
Standby power input	24.8 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	328 l

**EN 12102-2 | Colder Climate**

Sound power level indoor	47 dB(A)
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**EN 16147 | Colder Climate**

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Efficiency $\eta_{DHW}$	121 %
COP	2.94
Heating up time	12:06 h:min
Standby power input	31.1 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	349 l

**EN 12102-2 | Warmer Climate**

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	155 %
COP	3.78
Heating up time	8:15 h:min
Standby power input	25.0 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	349 l

**Model Eco 250esm**

Model name	Eco 250esm
Application	n/a
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	No

**Heat Pump for Domestic Hot Water (DHW)**
**EN 16147 | Operating test**

Temperature operating range	2
Safety devices checking test	2
Condensate draining	2

**EN 12102-2 | Average Climate**

Sound power level indoor	47 dB(A)
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**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	127 %
COP	3.11
Heating up time	10:30 h:min
Standby power input	24.8 W
Reference hot water temperature	52.8 °C
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**EN 12102-2 | Warmer Climate**

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
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Heating up time	8:15 h:min
Standby power input	25.0 W
Reference hot water temperature	55.6 °C
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