

## 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)
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)
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)
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)
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	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)
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)
EN 16147   Colder Climate	
Declared load profile	XL
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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
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Standby power input	25.0 W
Reference hot water temperature	55.6 °C
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