

Subtype ECO300

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	ECO300
Registration number	011-1W0352
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 300i

Model name	Eco 300i
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 η_{DHW}	129 %
COP	3.13
Heating up time	11:27 h:min
Standby power input	32.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	330 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 η_{DHW}	119 %
COP	2.90
Heating up time	16:56 h:min
Standby power input	33.0 W
Reference hot water temperature	54.6 °C
Mixed water at 40°C	389 l

EN 12102-2 | Warmer Climate

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	151 %
COP	3.68
Heating up time	08:55 h:min
Standby power input	27.0 W
Reference hot water temperature	53.7 °C
Mixed water at 40°C	323 l

Model Eco 300ix

Model name	Eco 300ix
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 η_{DHW}	129 %
COP	3.13
Heating up time	11:27 h:min
Standby power input	32.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	330 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 η_{DHW}	119 %
COP	2.90
Heating up time	16:56 h:min
Standby power input	33.0 W
Reference hot water temperature	54.6 °C
Mixed water at 40°C	389 l

EN 12102-2 | Warmer Climate

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	151 %
COP	3.68
Heating up time	8:55 h:min
Standby power input	27.0 W
Reference hot water temperature	53.7 °C
Mixed water at 40°C	323 l

Model Eco 300esm	
Model name	Eco 300esm
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 η_{DHW}	129 %
COP	3.13
Heating up time	11:27 h:min
Standby power input	32.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	330 l
EN 12102-2 Colder Climate	
Sound power level indoor	47 dB(A)
EN 16147 Colder Climate	
Declared load profile	XL
Efficiency η_{DHW}	119 %
COP	2.90
Heating up time	16:56 h:min
Standby power input	33.0 W
Reference hot water temperature	54.6 °C
Mixed water at 40°C	389 l
EN 12102-2 Warmer Climate	

Sound power level indoor 47 dB(A)

EN 16147 | Warmer Climate

Declared load profile	XL
Efficiency η_{DHW}	151 %
COP	3.68
Heating up time	8:55 h:min
Standby power input	27.0 W
Reference hot water temperature	53.7 °C
Mixed water at 40°C	323 l