

**ECODESIGN REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE
2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

Model Identifier:		ECO-STAR 40									
Indirect heating functionality:		yes									
Direct heat output:		8,1									
Indirect heat output:		19,3									
Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)			
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x
				mg/Nm ³ (13%O ₂)				mg/Nm ³ (13%O ₂)			
Wood logs with moisture content ≤ 25 %	no	no									
Compressed wood with moisture content < 12 %	yes	no	81,0	15	17	328	82	23	31	1153	78
Other woody biomass	no	no									
Non-woody biomass	no	no									
Anthracite and dry steam coal	no	no									
Hard coke	no	no									
Low temperature coke	no	no									
Bituminous coal	no	no									
Lignite briquettes	no	no									
Peat briquettes	no	no									
Blended fossil fuel briquettes	no	no									
Other fossil fuel	no	no									
Blended biomass and fossil fuel briquettes	no	no									
Other blend of biomass and solid fuel	no	no									
Technical reference documents			Rapporto n. 406261 del 15.06.2023 Istituto Giordano SpA								

Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P_{nom}	27,4	kW	Useful efficiency at nominal heat output	η_{thnom}	91	%
Minimum heat output (indicative)	P_{min}	12,7	kW	Useful efficiency at minimum heat output (indicative)	η_{thmin}	90	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	e_{lmax}	0,006	kW	single stage heat output, no room temperature control		no	
At minimum heat output	e_{lmin}	0,006	kW	two or more manual stages, no room temperature control		no	
In standby mode	e_{lsb}	0,006	kW	with mechanic thermostat room temperature control		no	
Permanent pilot flame power requirement				with electronic room temperature control		yes	
Pilot flame power requirement (if applicable)	P_{pilot}	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		no	
				Other control options (multiple selections possible)			
				room temperature control, with presence detector		yes	
				room temperature control, with open window detection		yes	
				with distance control option		yes	
Contact details				Name and address of the manufacturer or its authorised representative			
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(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied

San Vincenzo La Costa (CS), 29.06.2023

CE Division Manager



Ing. GiovanniRunco