



"ITEM Consult" Ltd. Sofia 1220,  
8 Istoria Slavianobulgarska Blvd

## EEI ASSURANCE

№DI-205/02.09.2025

Регламент/Regulation (EU) 2015/1186

Product: Solid fuel heating appliance  
Manufacturer: FAHRETIN HUROGLU Simge soba  
Model: 304U MINI  
Trade names: 304 MINI, 304 MINI GLASSED, 304U MINI GLASSED  
Requested by: FAHRETIN HUROGLU Simge soba  
Veysel Karani Mh.6.Ege Sk.No:13-15 16240, Turkey  
Stoking principle: manual  
Test Fuel: Solid fuel – hornbeam; Test 14435/15.05.2023  
Test procedure: EN 13240:2006  
Test report no: CPR 254 A/21.04.2025

### Fixed values:

F (5)	Correction factor accounting for a negative contribution to the energy efficiency index by energy consumption of a permanent pilot flame	0 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

### Test results:

$\eta_{\text{nominal}}$	Calculated efficiency at rated heat output	76.35 [%]
$\eta_{\text{minimum}}$	Calculated efficiency at minimum heat output	0.00 [%]
M	Test fuel, moisture	8.79 [%]
GCV <sub>mf</sub>	Test fuel, gross calorific value, moisture free	19.28 [MJ/kg]
NCV	Test fuel, net heating value, with moisture	16.24 [MJ/kg]
NCV <sub>iwf</sub>	Test fuel, net heating value, moisture free	17.96 [MJ/kg]
$e_{\text{max}}$	Electric power requirement at nominal heat output'	0 [kW]
$e_{\text{min}}$	Electric power requirement at minimum heat output'	0 [kW]
$e_{\text{SB}}$	Electric power requirement in standby mode'	0 [kW]
$P_{\text{nom}}$	Nominal heat output	9.23 [kW]
$P_{\text{min}}$	Minimum heat output	0.00 [kW]

### Calculations

$\eta_{\text{th nom}}$	Useful efficiency, at either nominal heat output	76.35 [%]
$\eta_{\text{th min}}$	Efficiency at reduced output	0.00 [%]
$\eta_{\text{el,n}}$	Electrical efficiency of solid fuel cogeneration boiler	0.00 [%]
$\eta_{\text{son}}$	Seasonal space heating energy efficiency in active mode	76.35 [%]
$\eta_{\text{s}}$	Seasonal space heating energy efficiency	66.35 [%]

F(2) Correction factor accounting positive contribution to the EEI of controls of indoor heating comfort, which values cannot be summed /with electronic room temperature control plus week timer / 0.0 [%]

F(3) Correction factor accounting positive contribution to EEI of the controls for indoor heating comfort /with distance control option / 0.0 [%]

F(4) Correction factor accounting for a negative contribution to the EEI by auxiliary electricity consumption 0.0000 [%]

### Calculation of the Energy Efficiency index:

Energy Efficiency: 100.71  
Energy Efficiency class: A  
Energy Efficiency index (EEI)  $88 \leq \text{EEI} < 107$

Prepared by:

/M. Vasileva/

Manager:

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CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

## 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

№DI-206/02.09.2025

Trade mark:	FAHRETTIN HUROGLU- SIMGE SOBA
Appliance:	Solid fuel heating appliance
Model:	304U MINI
Trade names:	304 MINI, 304 MINI GLASSED, 304U MINI GLASSED
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	9.23 kW
Indirect heat output:	-

Fuel	Preferred fuel (only one)	Other suitable fuel (s)	$\eta_s$ (%)	Emissions at nominal heat output				Emissions at reduced heat output			
				PM	OGC	CO	NO <sub>x</sub>	PM	OGC	CO	NO <sub>x</sub>
				mg/m <sup>3</sup> at 13% O <sub>2</sub>							
Log wood, moisture content ≤25%	yes	no	66	36	30	1371	178	-	-	-	-
Chipped wood, moisture content 15-35%	no	no									
Chipped wood, moisture content >35%	no	no									
Compressed wood in the form of pellets or briquettes	no	no									
Sawdust, moisture content ≤50%	no	no									
Non-woody biomass	no	no									
Bituminous coal	no	no									
Brown coal (including briquettes)	no	no									
Coke	no	no									
Anthracite	no	no									
Blended fossil fuel briquettes	no	no									
Other fossil fuel	no	no									
Blended biomass (30-	no	no									





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70%) fossil fuel briquettes										
Other blend of biomass and fossil fuel	no	no								

### Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency			
At rated heat output	$P_n$	9.23	kW	At rated heat output	$\eta_n$	76.35	%
At (30%/50%) of rated heat output if it's applicable	$P_p$	-	kW	At (30%/50%) of rated output if applicable	$\eta_p$	-	%
Auxiliary electricity consumption				Type of heat output/room temperature control			
At rated heat output	$e_{l_{max}}$	-	kW	Single stage heat output, no room temperature control	Yes/no	Yes	
				Two or more manual stages, no room temperature control	Yes/no	No	
				With mechanic thermostat room temperature control	Yes/no	No	
At (30%/50%) of rated output if applicable	$e_{l_{min}}$	-	kW	With electronic room temperature control	Yes/no	No	
In standby mode	$P_{SB}$	-	kW	With electronic room temperature control plus day timer	Yes/no	No	
Permanent pilot flame power requirement				With electronic room temperature control plus week timer	Yes/no	No	
Pilot flame power /if applicable/	$P_{pilot}$	N.A.	kW	Other control options			
				Room temperature control with presence detection	Yes/no	No	
				Room temperature control with open window detection	Yes/no	No	
				With distance control option	Yes/no	No	

### CONCLUSION:

Solid fuel heating stove 304U MINI MEET THE REQUIREMENTS OF Annex II „Ecodesign Requirements” of REGULATION (EU) 2015/1185.

Contact details	Name and address of the manufacturer or its authorised representative
Address: Veysel Karani Mh.6.Ege Sk.No:13-15 16240, Turkey	FAHRETTIN HUROGLU - „Simge Soba” Address: Veysel Karani Mh.6.Ege Sk.No:13-15 16090, Bursa, Turkey

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