

TECHNICAL DOCUMENTATION FOR SOLID FUEL LOCAL SPACE HEATER

According to:

Commission Regulation (EU) 2015/1185 of 24 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council Commission Delegated Regulation (EU) 2015/1186 supplementing Directive 2010/30/EU of the European Parliament and of the Council

Model identifier	KAWMET Premium ATHENA S12 ECO										
Indirect heating functionality	no										
Direct heat output	12,3 (kW)										
Indirect heat output	N.A. (kW)										
FUEL	PREFERRED FUEL	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
				[x] mg/Nm ³ (13 % O ₂)				[x] mg/Nm ³ (13 % O ₂)			
Wood logs with moisture content \leq 25 %	yes	no	67,0	39,6	98,4	500	77,1				
Compressed wood with moisture content < 12 %	no	no									
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									

CHARACTERISTICS WHEN OPERATING WITH THE PREFERRED FUEL

Seasonal space heating energy efficiency η_s [%]	67,0
Energy Efficiency Index (EEI) [%]	102

ITEM	SYMBOL	VALUE	UNIT	ITEM	SYMBOL	VALUE	UNIT
HEAT OUTPUT				USEFUL EFFICIENCY (NCV AS RECEIVED)			
Nominal heat output	P _{nom}	12,3	kW	Useful efficiency at nominal heat output	$\eta_{th, nom}$	77,0	%
Minimum heat output (indicative)	P _{min}	N.A.	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th, min}$	N.A.	%
AUXILIARY ELECTRICITY CONSUMPTION				TYPE OF HEAT OUTPUT / ROOM TEMPERATURE CONTROL			
At nominal heat output	e _{l,max}	x,xxx	kW	single stage heat output, no room temperature control		yes	
At minimum heat output	e _{l,min}	x,xxx	kW	two or more manual stages, no room temperature control		no	
In standby mode	e _{l, sb}	x,xxx	kW	with mechanic thermostat room temperature control		no	
				with electronic room temperature control		no	
				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 detection		no	
				room temperature control, with open window detection		no	
				with distance control option		no	
PERMAMENT PILOT FLAME POWER REQUIREMENT							
Pilot flame power requirement (if applicable)	P _{pilot}	N.A.	kW				
Contact details	ODLEWNIA KAW-MET MAREK KAWIŃSKI Sp.z o.o. / ZADĄBROWIE 311 / 37-716 / ORŁY / POLAND +48 166 72 48 10 / info@kawmet.pl						


 (*) 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 used.

The technical documentation was prepared on the basis of the results of tests carried out by the Oil and Gas Institute - National Research Institute, provided in test reports No. TD4356A / TD P 4356A. Notified Body No. 1677.

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 Date and place of update


 Signed for and on behalf of the manufacturer by:
 CEO Marek Kawiński