

## 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 ARES S7 ECO							
Indirect heating functionality				no							
Direct heat output				11,3 (kW)							
Indirect heat output				N.A. (kW)							
FUEL	PREFERRED FUEL	OTHER SUITABLE FUEL(S)	$\eta_s$ [%]	SPACE HEATING EMISSIONS AT NOMINAL HEAT OUTPUT (*)				SPACE HEATING EMISSIONS AT MINIMUM HEAT OUTPUT (*) (**)			
				PM	OGC	CO	NO <sub>x</sub>	PM	OGC	CO	NO <sub>x</sub>
				[x] mg/Nm <sup>3</sup> (13 % O <sub>2</sub> )							
Wood logs with moisture content ≤ 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									
<b>CHARACTERISTICS WHEN OPERATING WITH THE PREFERRED FUEL</b>											
Seasonal space heating energy efficiency $\eta_s$ [%]								67,0			
Energy Efficiency Index (EEI) [%]								102			
ITEM	SYMBOL	VALUE	UNIT	ITEM	SYMBOL	VALUE	UNIT	ITEM	SYMBOL	VALUE	UNIT
<b>HEAT OUTPUT</b>				<b>USEFUL EFFICIENCY (NCV AS RECEIVED)</b>							
Nominal heat output	P <sub>nom</sub>	11,3	kW	Useful efficiency at nominal heat output	$\eta_{th, nom}$	77,0	%				
Minimum heat output (indicative)	P <sub>min</sub>	N.A.	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th, min}$	N.A.	%				
<b>AUXILIARY ELECTRICITY CONSUMPTION</b>				<b>TYPE OF HEAT OUTPUT / ROOM TEMPERATURE CONTROL</b>							
At nominal heat output	e <sub>l,max</sub>	x,xxx	kW	single stage heat output, no room temperature control		yes					
At minimum heat output	e <sub>l,min</sub>	x,xxx	kW	two or more manual stages, no room temperature control		no					
In standby mode	e <sub>l, sb</sub>	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					
				<b>OTHER CONTROL OPTIONS (MULTIPLE SELECTIONS POSSIBLE)</b>							
				room temperature control, with presence detection		no					
				room temperature control, with open window detection		no					
				with distance control option		no					
<b>PERMAMENT PILOT FLAME POWER REQUIREMENT</b>											
Pilot flame power requirement (if applicable)	P <sub>pilot</sub>	N.A.	kW								
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(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO <sub>x</sub> = 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 CTIF (Centre Technique des Industries de la Fonderie), provided in test reports No. TD4356A / TD P 4356A. Notified Body No. 1677.											