MCZ GROUP

TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1186

Manufacturer	**MCZ GROUP SpA**
Trademak	**MCZ**
Model Identifier	**PLASMA B95 WOOD**
Indirect heating functionality	**no**
Direct heat output (space heat output)	**18,6 kW**
Indirect heat output (water heat output)	**kW**
CPR harmonised standard	**EN 13229:2001/A1:2003/AC:2003/A2:2004/AC:2006**
General description of the local space heater	**Manually fed closed inset appliance burning wood logs**
Notified Body	**ACTECO SRL (N.B. 1880)** **Via Amman 41, 33084 Cordenons (PN), IT**

Fuel	**Preferred fuel (only one)**	**Other suitable fuel(s)**	**ηs [%]**	**EEI [%]**
Log wood, moisture content ≤ 25 %	yes	no	**67,2**	**102**
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		

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185
Characteristics when operating with the preferred fuel

$$EEI = (\eta_{S,on} \cdot BLF) - 10\,\% + F(2) + F(3) - F(4) - F(5)$$

BLF = 1,45

$$\eta_{S,on} = \eta_{th,nom} \qquad \eta_S = \eta_{S,on} - 10\% + F(2) + F(3) - F(4) - F(5)$$

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product

Energy Efficiency Class **A** up to 2022

Characteristics when operating with the preferred fuel

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P_{nom}	**18,6**	kW
Minimum heat output (indicative)	P_{min}		kW

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	$\eta_{th,nom}$	**77,2**	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$		%

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	el_{max}		kW
At minimum heat output	el_{min}		kW
In standby mode	el_{sb}		kW

Type of heat output/room temperature control (select one)	
single stage heat output, no room temperature control	YES
two or more manual stages, no room temperature control	NO
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

$$F(4) = CC \cdot \frac{0{,}2 \cdot el_{max} + 0{,}8 \cdot el_{min} + 1{,}3 \cdot el_{sb}}{P_{nom}} \cdot 100[\%]$$

F(4) = **0,0 %** CC =2,5

F (2) = **0,0 %** up to 2022

Permanent pilot flame power requirement			
Item	Symbol	Value	Unit
Pilot flame power requirement (if applicable)	P_{pilot}	**N.A.**	kW

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

$$F(5) = 0{,}5 \cdot \frac{P_{pilot}}{P_{nom}} \cdot 100[\%]$$

F (5) = **0,0 %**

F (3) = **0,0 %** up to 2022

Contact details

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