

TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 AND 2015/1186

Manufacturer **Edilkamin S.p.A.**
 Trademark **Edilkamin**
 Model Identifier **WINDO 90 EVO**
 Equivalent models **BLOKK 90 EVO** Trademark Edilkamin
 Trademark Innofire
 Trademark Italiana Camini
 Description Mechanically space heater fired by wood pellets
 Indirect heating functionality **no**
 Direct heat output (space heat output) **17,9 kW**
 CPR harmonised standard **16510-2-2 / 16510-1**
 Notified Body **SZU (Hudcova 424/56b, 621 00 Brno Czech Republic) NB 1045.1**

Fuel	Preferred fuel (only one)	Other suitable fuel(s)	Space heating emissions at nominal heat output(*)				Space heating emissions at minimum heat output(**)			
			PM	OGC	CO	NOx	PM	OGC	CO	NOx
			mg/m3 at 13%O2				mg/m3 at 13%O2			
Wood log, moisture content ≤ 25 %	no	no	19,0	33	633	76	/	/	/	/
Compressed wood with moisture content < 12 %	yes	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								

(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides

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

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

Up to 1/1/2022	
η_s [%]	75,5
EEl [%]	114
Energy Efficiency Class	A+

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185

Characteristics when operating with the preferred fuel

$$EEI = (\eta_{s,em} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5) \quad BLF = 1,45 \quad \eta_{s,em} = \eta_{edl,nom}$$

$$\eta_s = \eta_{s,em} - 10\% + F(2) + F(3) - F(4) - F(5)$$

Characteristics when operating with the preferred fuel

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P_{nom}	17,9	kW
Minimum heat output (indicative)	P_{min}		kW

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	$e_{l,max}$	0,000	kW
At minimum heat output	$e_{l,min}$	0,000	kW
In standby mode	$e_{l,sb}$	0,000	kW

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

F(4) 0 % CC = 2,5

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

F(5) 0,0 %

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

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	$\eta_{th,nom}$	85,5	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$		%

Type of heat output/room temperature control (select one)	
single stage heat output, no room temperature control	NO
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(2) 0,0 %

Other control options (multiple selections possible)	
room temperature control, with presence detection	NO
room temperature control, with open window	NO
with distance control option	NO

F(3) 0,0 %

Contact details

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