EDILKAMIN
TECNOLOGIA DEL FUOCO

Edilkamin S.p.A.
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Capitale € 4.100.000 int. vers.
Sede legale
20123 Milano via Vincenzo Monti 47
Reg. Imp. di Milano 00192220192
REA n° 878888
Cod. Fiscale e Partita IVA 00192220192

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

Manufacturer	**Edilkamin S.p.A.**
Trademak	**Edilkamin**
Model Identifier	**H2Oceano 23**
Equivalent Models	**Acquatondo 22** Trademark Edilkamin
	Idro 70 Trademark Italiana Camini
Description	Manually fed closed inset appliance fitted with a boiler burning wood logs
Indirect heating functionality	yes
Direct heat output (space heat output)	**9,7 kW**
Indirect heat output (water heat output)	**13,3 kW**
CPR harmonised standard	**EN 13229**
Notified Body	**TUV Rheinland Energie und Umwelt GmbH -NB2456**

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 %	*yes*	no	21	58	1147	106				
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								

(*) 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 [%]	72,2
EEI [%]	*109*
Energy Efficiency Class	A+

From 1/1/2022	
η_s [%]	72,2
EEI [%]	*109*
Energy Efficiency Class	A+

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

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

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

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Characteristics when operating with the preferred fuel

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P_{nom}	**23,0**	kW
Minimum heat output (indicative)	P_{min}	**na**	kW

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

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

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

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	$\eta_{th,nom}$	**82,2**	%
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	**na**	%

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

F (2) **0,0 %** from 2022

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
Name and address of the manufacturer
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