

**TECHNICAL DOCUMENTATION FOR SOLID FUEL BOILERS ACCORDING TO
REGULATION EU 2015/1189 AND 2015/1187**

Description: Solid fuel boiler fired by wood pellets

Fuel Description: Ø 6 / L:30 EN Plus A1-A2 wood pellets

Harmonized Standard: EN 303-5 Class 5

İFYIL - GT 30

Stoking mode: Automatic: It is recommended that the boiler be operated with a hot water storage tank of a volume of at least 600 (**) litre

Condensing boiler: NO

Solid fuel cogeneration boiler: NO

Combination boiler: NO

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s (x%):	Seasonal space heating emissions (****)			
				PM	OGC	CO	NOx
				(x) mg/m ³ at %10 O ₂			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	YES	NO	84	19	8	154	189
Sawdust, moisture content ≤ 50 %	no	no					
Other woody biomass	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %)/fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

Characteristics when operating with the preferred fuel only:Seasonal space heating energy efficiency η_s [%]: **84**Energy efficiency index EEI: **123**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency			
At rated heat output	P_n (***)	31,4	kW	At rated heat output	η_n	85,7	%
At [30 %/50 %] of rated heat output, if applicable	P_p	9,1	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	87,0	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output				At rated heat output	el_{max}	0,043	kW
				At [30 %/50 %] of rated heat output, if applicable	el_{min}	0,013	kW
				Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
				In standby mode	P_{SB}	0,003	kW
Contact details	Name and address of the manufacturer or its authorised representative.						
Tel. +90 850 346 0 362 www.ifyil.com.tr info@ifyil.com.tr	Manufacturer: İFYİL TERMO İKLİMLENDİRME SAN. TİC. LTD. ŞTİ. Kavak OSB 3. Cad. No: 11 Kavak/Samsun/TURKEY						

(**) Tank volume = $20 \times P_r$ with P_r indicated in kW(***) For the preferred fuel P_n equals P_r (***) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides

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