



TECHNICAL PARAMETERS FOR BOILER SPACE HEATERS & BOILER COMBINATION HEATERS
AS PER REGULATION 813/2013 (TABLE 1 - ANNEX II) (TABLE 7 - ANNEX V)

Model(s)	Envirogreen Slimline Combi 20 & 26 kW Models						
Condensing Boiler	Yes						
Low Temperature (²) Boiler	No						
B11 Boiler	No						
Cogeneration Space Heater	No						
Combination Heater	Yes						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	<i>P_{rated}</i>	20	kW	Seasonal Space Heating Energy Efficiency	<i>η_s</i>	92.53	%
For boiler space heaters and boiler combination heaters: Useful Heat Output				For boiler space heaters and boiler combination heaters: Useful Efficiency			
At rated heat output and high temperature regime (¹)	<i>P_r</i>	20	kW	At rated heat output and high temperature regime (¹)	<i>η_r</i>	92.72	%
At 30 % of rated heat output and low temperature regime (²)	<i>P_l</i>	6.0	kW	At 30 % of rated heat output and low temperature regime (²)	<i>η_l</i>	99.12	%
Auxiliary Electricity Consumption				Other Items			
At Full Load	<i>el_{max}</i>	0.178	kW	Standby Heat Loss	<i>P_{stby}</i>	0.073	kW
At Part Load	<i>el_{min}</i>	0.062	kW	Ignition Burner Power Consumption	<i>P_{ign}</i>	0	kW
In Standby Mode	<i>P_{sb}</i>	0	kW	Annual Energy Consumption	<i>Q_{HE}</i>	62.2	kWh or GJ
				Sound Level Power Level, Indoors	<i>L_{WA}</i>	65	dB
				Emissions of Nitrogen Oxides	<i>No_x</i>	57	mg /kWh
For Combination Heaters							
Declared Load Profile XL				Water Heating Energy Efficiency	<i>η_{wh}</i>	75.15	%
Daily Electricity Consumption	<i>Q_{elec}</i>	0.302	kWh	Daily Fuel Consumption	<i>Q_{fuel}</i>	26.278	kWh
Annual Electricity Consumption	<i>AEC</i>	66.3	kWh	Annual Fuel Consumption	<i>AFC</i>	19.5	GJ
Contact Details	Firebird Heating Solutions, Ballymakeera, Co. Cork P12 HK51, Ireland						

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated Heat Output	P_{rated}	26	kW	Seasonal Space Heating Energy Efficiency	η_s	92.57	%	
For boiler space heaters and boiler combination heaters: Useful Heat Output				For boiler space heaters and boiler combination heaters: Useful Efficiency				
At rated heat output and high temperature regime ⁽¹⁾	P_d	26	kW	At rated heat output and high temperature regime ⁽¹⁾	η_d	95.59	%	
At 30 % of rated heat output and low temperature regime ⁽²⁾	P_l	7.8	kW	At 30 % of rated heat output and low temperature regime ⁽²⁾	η_l	98.13	%	
Auxiliary Electricity Consumption				Other Items				
At Full Load	el_{max}	0.184	kW	Standby Heat Loss	P_{stby}	0.073	kW	
At Part Load	el_{min}	0.046	kW	Ignition Burner Power Consumption	P_{ign}	0	kW	
In Standby Mode	P_{sb}	0	kW	Annual Energy Consumption	Q_{HE}	80.9	kWh or GJ	
				Sound Level Power Level, Indoors	L_{WA}	65	dB	
Emissions of Nitrogen Oxides					No_x	74	mg /kWh	
For Combination Heaters								
Declared Load Profile XL				Water Heating Energy Efficiency		η_{wh}	75.68	%
Daily Electricity Consumption	Q_{elec}	0.308	kWh	Daily Fuel Consumption	Q_{fuel}	26.027	kWh	
Annual Electricity Consumption	AEC	67.7	kWh	Annual Fuel Consumption	AFC	19.3	GJ	
Contact Details	Firebird Heating Solutions, Ballymakeera, Co. Cork P12 HK51, Ireland							