



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 Heatpac 58kW, 73kW - Popular 58kW, 73kW, 100kW - Kitchen 58kW, 73kW, 80-100kW 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	P_{rated}	58	kW	Seasonal Space Heating Energy Efficiency	η_s	97.77	%
<i>For boiler space heaters and boiler combination heaters: Useful Heat Output</i>				<i>For boiler space heaters and boiler combination heaters: Useful Efficiency</i>			
At rated heat output and high temperature regime ⁽¹⁾	P_d	58	kW	At rated heat output and high temperature regime ⁽¹⁾	η_d	97.25	%
At 30 % of rated heat output and low temperature regime ⁽²⁾	P_l	17.6	kW	At 30 % of rated heat output and low temperature regime ⁽²⁾	η_l	102.22	%
Auxiliary Electricity Consumption				Other Items			
At Full Load	el_{max}	166.96	kW	Standby Heat Loss	P_{stby}	98	kW
At Part Load	el_{min}	56.78	kW	Ignition Burner Power Consumption	P_{ign}	0	kW
In Standby Mode	P_{sb}	0	kW	Annual Energy Consumption	Q_{HE}		kWh or GJ
				Sound Level Power Level, Indoors	L_{WA}	65	dB
				Emissions of Nitrogen Oxides	No_x	91	mg /kWh
Contact Details				Firebird Heating Solutions, Ballymakeera, Co. Cork P12 HK51, Ireland			

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	P_{rated}	73	kW	Seasonal Space Heating Energy Efficiency	η_s	97.76	%
<i>For boiler space heaters and boiler combination heaters: Useful Heat Output</i>				<i>For boiler space heaters and boiler combination heaters: Useful Efficiency</i>			
At rated heat output and high temperature regime ⁽¹⁾	P_d	77	kW	At rated heat output and high temperature regime ⁽¹⁾	η_d	97.42	%
At 30 % of rated heat output and low temperature regime ⁽²⁾	P_l	21.3	kW	At 30 % of rated heat output and low temperature regime ⁽²⁾	η_l	102.75	%
Auxiliary Electricity Consumption				Other Items			
At Full Load	el_{max}	268.26	kW	Standby Heat Loss	P_{stby}	97	kW
At Part Load	el_{min}	88.12	kW	Ignition Burner Power Consumption	P_{ign}	0	kW
In Standby Mode	P_{sb}	0	kW	Annual Energy Consumption	Q_{HE}		kWh or GJ
				Sound Level Power Level, Indoors	L_{WA}	70	dB
				Emissions of Nitrogen Oxides	No_x	93	mg /kWh
Contact Details				Firebird Heating Solutions, Ballymakeera, Co. Cork P12 HK51, Ireland			

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated Heat Output	P_{rated}	100	kW	Seasonal Space Heating Energy Efficiency	η_s	99.28	%
<i>For boiler space heaters and boiler combination heaters: Useful Heat Output</i>				<i>For boiler space heaters and boiler combination heaters: Useful Efficiency</i>			
At rated heat output and high temperature regime ⁽¹⁾	P_d	103	kW	At rated heat output and high temperature regime ⁽¹⁾	η_d	98.58	%
At 30 % of rated heat output and low temperature regime ⁽²⁾	P_l	27.2	kW	At 30 % of rated heat output and low temperature regime ⁽²⁾	η_l	104.59	%
Auxiliary Electricity Consumption				Other Items			
At Full Load	el_{max}	256.26	kW	Standby Heat Loss	P_{stby}	144	kW
At Part Load	el_{min}	93.1	kW	Ignition Burner Power Consumption	P_{ign}	0	kW
In Standby Mode	P_{sb}	0	kW	Annual Energy Consumption	Q_{HE}		kWh or GJ
				Sound Level Power Level, Indoors	L_{WA}	70	dB
				Emissions of Nitrogen Oxides	No_x	89	mg /kWh
Contact Details				Firebird Heating Solutions, Ballymakeera, Co. Cork P12 HK51, Ireland			