

Technical parameters in accordance with Table 4 -Annex V COMMISSION DELEGATED REGULATION (EU) 2015/1187 & Table 1 -Annex II COMMISSION REGULATION (EU) 2015/1189							
Model identifier: Spira 6-26 Wood Pellet Boiler							
Stoking mode: Automatic							
Condensing boiler: yes							
Solid fuel cogeneration boiler: no				Combination boiler: no			
Fuel	Preferred fuel	Other suitable fuel	η_s	Seasonal space heating emissions(****)			
				PM	OGC	CO	NO _x
				[x] mg/m ³			
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	39	0.3	39.6	146.5
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 %) and 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 [%]: 85.5							
Energy efficiency index EEI: 119 %							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency			
At rated heat output	P_n	18	kW	At rated heat output	η_n	100	%
At 30 % of rated heat output, if applicable	P_p	5	kW	At 30 % of rated heat output, if applicable	η_p	97	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output				At rated heat output	e_{lmax}	0.069	kW
				At 30% of rated heat output, if applicable	e_{lmin}	0.049	kW
				Of incorporated secondary emission abatement equipment, if applicable		n/a	kW
				In standby mode	P_{SB}	0.006	kW
Contact details		Grant Engineering IRL ULC, Crinkle Birr, Co. Offaly Ireland R42 D788					

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