

Model		ECO-BURN F				
Types		EF 28	EF 35	EF 45	EF 60	EF 75
Description of boiler		Manually stocked, steel boilers, for solid fuels in 4pass flue circulation principle, (fanned flue)				
Output (wood, hard coal, lignite)	kW	28	35	45	60	75
Water content	lt	70	80	90	108	124
Net weight	kg	225	250	275	320	375
Total heating surface	m ²	2,6	3,1	3,6	4,1	4,9
Combustion chamber dimensions						
Height Width Length	mm	475				
	mm	330	420		480	
	mm	500		600		740
Combustion chamber volume	dm ³	78,0	100,0	120,0	137,0	169
Fuel loading clearance	mmxmm	330 x 215	420 x 250		480 X 305	
Maximum fuel loading height	mm	400				
Boiler body construction		Steel welded (S 235 JR)				
Boiler bottom grade construction		Cast iron (EN G.JL 200)				
Fuel loading		Manual				
Flue circulation principle		Horizontal 4-pass				
Control		Electronic with additional mechanical safety limiter				
Requested draught in chimney	Pa	12-16	14-18	16-22	20-30	25-35
	mbar	0,12-0,16	0,14-0,18	0,16-0,22	0,20-0,30	0,25-0,35
Temperature control range	C	50 - 90				
Maximum operating temperature	C	100				
Minimum return temperature	C	50 (recommended)				
Safety system activated at	C	95				
Maximum operating pressure	bar	2,5				
Flow/return connections (F/R)	R	1"		1 1/4"		
Connection for cooling loop (HE)	R	1 1/2"				
Filling / draining connection (FD)	R	1/2"				
External dimensions						
H H1 H2 H3 H4 W L L1 Flue outlet diameter (C)	mm	1090			1180	
	mm	1000			1105	
	mm	875			980	
	mm	200				
	mm	80				
	mm	490	580		640	
	mm	1082		1182	1192	1310
	mm	640		740	740	880
	mm	160	180			
	mm	232 V - 50 Hz				
Electrical supply		232 V - 50 Hz				
Power consumption	W	82			88	

Fuel type		Wood				
Maximum fuel charge	kg	26	34	41	50	61
Requested fuel parameters		Maximum water content 20% Maximum cross section 10 cm x 10 cm Average calorific value 17.000 - 20.000 kJ/kg				
Flue gas mass flow	g/s	23,6	33,0	42,4	51,8	66

Fuel type		Hard coal, lignite				
Maximum fuel charge	kg	35	45	55	67	80
Requested fuel parameters		Maximum water content 15% Average size between 30 to 60 mm Average calorific value 26.000 - 30.000 kJ/kg				
Flue gas mass flow	g/s	35,4	49,5	63,6	77,7	99

