

Model		OPTIMUS							
Types		OTS 15	OTS 22	OTS 30	OTS 38	OTS 48	OTS 60	OTS 80	
Description of boiler		Welded steel boiler for dry wood logs, in pyrolytic combustion principle, with negative pressure in combustion chamber driven by exhaust fan at flue							
Fuels		Dry wood logs							
Output	kW	15	22	30	38	48	60	80	
Net weight	kg	300	310	330	380	430	490	560	
Efficiency	%	81 - 84							
Flue gas temperature	C	135 - 175							
Requested draught at chimney	Pa	10-12	12-15	15-20	20-25	20-30	20-30	30-40	
	mbar	0,10-0,12	0,12-0,15	0,15-0,20	0,20-0,25	0,20-0,30	0,20-0,30	0,30-0,40	
Flue gas mass flow	g/s	15,0	21,0	28,5	36,0	45,5	57,0	75,5	
Water content	lt	59	75	85	95	110	140	160	
Total heating surface	m ²	1,89	2,5	2,8	3,1	3,7	4,5	5,3	
Maximum wood log length	cm	50,0	50,0	50,0	60,0	70,0	70,0	80,0	
Fuel loading chamber volume	dm ³	73	83,0	108,0	120,0	165,0	202,0	277,0	
Fuel loading clearance (upper door)	cm ²	905	1195	1195	1315	1315	1660	1660	
Temperature control range	C	65 - 90							
Maximum operating temperature	C	100							
Minimum return temperature	C	65 (recommended)							
Safety system activated at	C	95							
Maximum operating pressure	bar	3							
Water flow/return connections (FR)	R	1 1/2"						2"	
Cooling loop connections	R	3/4"							
Filling / draining connection	R	1/2"							
External dimensions									
H	mm	1060	1090	1210	1210	1290	1290	1390	
	mm	560	780	900	900	980	980	1080	
H2	mm	190	160	160	160	160	160	160	
H3	mm	55	55	55	55	55	55	55	
W	mm	475	535	535	535	535	615	615	
L1	mm	648	648	648	748	848	848	958	
L	mm	1050	1050	1050	1170	1270	1270	1420	
D	mm	168							180
Electrical supply		230 V / 50 Hz							
Power consumption	W	70				110			

Fuel type		Dry Woodlogs	
Combustion period at max load	h	2 to 4	
Requested fuel parameters		Allowable water content 12 - 20% Average calorific value 15.000 - 17.000 kJ/kg	
Allowable wood log size		Diameter between 7 cm - 15 cm	

