

	HDG Turbotec 50/60	Technical data sheet	
		Status 09/2008	HDG Bavaria GmbH D-84323 Massing Tel. +49 (0) 8724 / 897-0 www.hdg-bavaria.com

Technical Data

Log wood boiler HDG Turbotec 50/60

Type of boiler	Unit	HDG Turbotec 50	HDG Turbotec 60
Performance data			
Nominal thermal power	kW	50,0	60,0
Minimum thermal power	kW	50,0	50,0
Boiler efficiency	%	89,9	89,5
Boiler data			
Boiler class		3	3
Maximum operating pressure	bar	3	3
Maximum flow temperature	°C	100	100
Minimum return temperature	°C	55	55
Water content	l	370	370
Fuelling chamber capacity	l	340	340
Weight	kg	940	940
Flue connection and chimney data			
Exhaust temperature at nominal output	°C	190	190
Exhaust mass flow at nominal load	kg/s	0,033	0,033
Exhaust temperature at minimum output	°C	170	170
Exhaust mass flow at minimum load	kg/s	0,027	0,027
Flue draught requirement	Pa	15	15
Diameter of flue outlet	mm	180	180
Height of flue connection	mm	576	576
Water-side connections			
Flow and return connections	DN (BSP)	32 (1 1/4")	32 (1 1/4")
Safety heat exchanger connections	DN (BSP)	15 (1/2")	15 (1/2")
Drain connection	DN (BSP)	15 (1/2")	15 (1/2")
Water-side resistance at nominal power 10K	Pa	500	500
Water-side resistance at nominal power 20K	Pa	130	130
Boiler room			
Air inlet cross section*	cm ²	180	180

*Refer to local country regulations.