VIGAS

Log fired central heating boilers – DUNSTER HEAT LTD, 01984 640656

	Model 25s	**Model 40s**	**Model 60s**	**Model 80s**	**Warm Air 25**	**29uds dual fuel**	**18dp**
Nominal output	25 kW	40kW	60kW	80kW	25kW	29kW	28kW
Range of output	5-31 kW (76,200 btu)	8-41kW (122,000 btu)	15-72kW (183,000 btu)	25-92kW (244,000 btu)	5-28kW (76,200 btu)	8-35 (8-29)kW (88,400 btu)	7-29kW (wood) 85,400 btu 2-18kW (pellet) 59,000 btu
Max. operating pressure	3 bar	3 bar	3 bar	3 bar		3 bar	3 bar
Efficiency %	85%	84%	82%	82%	85%	88%(83%)	
Range of temp. setting	40-90ºC	40-90ºC	40-90ºC	40-90ºC	40-120ºC	40-90ºC	40-90ºC
Fuel/moisture content	Logs <20%	Logs <20%	Logs <20%	Logs <20%	Logs <20%	Peat/wood/coal	Wood/pellet
Fuel consumption at nominal output	7.6 kg/hr	11.2kg/hr	19kg/hr	25kg/hr	7.6kg/hr	7.8 (8.0)kg/hr	Wood 7.8kg/hr Pellet 5.5kg/hr
Fuel hopper	120 ltr	185 ltr	315 ltr	483 ltr	110 ltr	105 ltr	270 ltr pellet 105 ltr logs
Dimensions of gasification chamber **Depth (mm)** **Height (mm)** **Width (mm)**	 560 490 440	 560 750 440	 750 730 575	 1150 730 575	 490 500 440	 490/440 500 440	
Dimensions of gasification opening	 435 w 255 h	 435 w 255 h	 575 w 318 h	 575 w 318 h	 435 w 255 h	 435 w 255 h	
Log length, nominal	500mm (20")	500mm (20")	700mm (28")	1100mm (41")	450mm (18")	na(400=16")	350mm (14")
Maximum	550mm (22")	550mm (22")	750mm (30")	1150mm (43")	490mm (19")	na(440=17")	380mm (15")
Power requirements	230v, 70W	230v, 70W	230v/140W	230v/140W	230v/640W	230v/70W	230v/180W + 1500W (heatgun)
Connections: Flow and return **Height of inlet pipe** **Height of outlet pipe**	2" BSP 115mm 1045mm	2" BSP 125mm 1310mm	2" BSP 215mm 1400mm	2" BSP 215mm 1400mm	 250x250mm	2"BSP 110mm 1045mm	2" BSP 115mm 1045mm
Flue	159mm (6")	194mm (8")	194mm (8")	194mm (8")	159mm (6")	159mm (6")	159mm (6")
Chimney draught	0.15-0.20 mbar	0.15-0.20 mbar	0.15-0.20 mbar	0.15-0.20 mbar	0.15-0.20 mbar	0.15-0.20 mbar	0.15-0.20 mbar
Water temperature	40-90ºC	40-90ºC	40-90ºC	40-90ºC	60-130ºC	40-90ºC	39-85ºC
Volume of water	75 litre	93 litre	180 litre	205 litre		75 litre	
Max. electric input	70W	70W	140W	140W	640W	70W	
Voltage/frequency	230ACV/50	230ACV/50	230ACV/50	230ACV/50	230ACV/50	230ACV/50	
Dimensions: Height (h)	1120mm	1370mm	1420mm	1420mm	1200mm	1120mm	1325mm
Width (w)	645mm	645mm	785mm	785mm	645mm	645mm	1400mm
Depth (d)	1070mm	1070mm	1260mm	1650mm	1070mm	1070mm	1000mm
Width of hearth **Depth of hearth**	W + 600mm (300mm each side) 600mm in front	W + 600mm D + 600mm	W + 600mm D + 600mm	W + 600mm D + 600mm	W +600mm D + 600mm	W + 600mm D + 600mm	W + 600 D + 600
Weight	430kg	460kg	760kg	930kg	450kg	430kg	520kg
Flue gas temperature	150°C-240°C	150°C-240°C	150°C-240°C	150°C-240°C	170-260ºC	150-240ºC	150-240ºC
Emissions CO	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%	<0.2%
Emissions nox	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%