

Technical & Dimensional Data

Lilliput Series: Performance and General Data Information

	Boiler Model	HE-40	HE-65	HE-90
Energy	No. of sections	5	7	9
	Heat output to water kW Btu/hr x 1000	43.0 147	66.3 226	87.0 297
	Heat input (net) - Gross kW Btu/hr x 1000	45.9 156.6	70.2 239.5	92.7 316.2
Water	Water content l UK gal	17.5 3.9	24.5 5.4	31.5 7.0
	Design flow rate @ 11°C Δt l/min UK gal/min	56.0 12.30	86.3 19.00	113.5 25.00
	Waterside pressure drop @ 11°C Δt mbar in wg	14.00 5.60	23.80 9.60	34.50 13.90
	Minimum flow rate @ 20°C Δt l/min UK gal/min	30.90 6.80	47.70 10.50	62.50 13.80
	Maximum water pressure bar psig	5.0 73.0		
	Maximum water flow temperature	90		
Gas	Combustion resistance (Gas & Oil) mbar in wg	0.10 0.04	0.20 0.08	0.30 0.12
	Input rate-oil (35 SR1) l/h UK gal/h	4.80 1.06	7.40 1.63	9.80 2.16
	Approx. flue gas vol. at NTP noil m³/h ft³/h	64.80 2288	99.60 3517	130.80 4619
	Approx. flue gas temp - oil	200		
	Input rate Natural Gas (G20) m³/h ft³/h	4.75 168.0	7.27 258.0	9.60 339.0
	Nominal inlet pressure required* Natural gas - inlet to gas train mbar in wg	20 8.0		
	Approx. flue gas volume at NTP natural gas m³/h ft³/h	58.80 2077	90.00 3178	118.20 4174
	Approx. flue gas temp - natural gas	190		
Flue	Flue connection O/D mm in	150 6	180 7	180 7
	Flue draught required at boiler outlet	(-)1 to (-) 2.5mm wg / (-) 0.04 to (-) 0.10" wg		
Electrics	Electrical supply - boiler control panel	230v 1PH 50Hz Fused and rated at 10A		
	Electrical supply - burner	230v 1 PH 50Hz Consult Technical Applications Team in Poole for further details		