



Technical Data

Dorchester DR-TC 40 and DR-TC 60

	Description	Unit	DR-TC 40	DR-TC 60
Water	Continuous output with 44°C ΔT	l/h (l)	820	1200
	Continuous output with 50°C ΔT	l/h (l)	730	1100
	Continuous output with 55°C ΔT	l/h (l)	660	930
	Storage capacity	litres	388	
	Maximum operating water pressure (vented)	kPa (bar)	800 (8)	
	Maximum operating water pressure (unvented)	kPa (bar)	550 (5.5)	
	T&P valve maximum temperature and pressure (unvented systems)	bar/°C	7/97	
Energy	Gross efficiency	%	96	
	Heating-up time, ΔT = 44°C	min.	16	11
	Heating-up time, ΔT = 50°C	min.	18	13
	Heating-up time, ΔT = 55°C	min.	20	14
Nat. Gas G20 20mbar	Input, gross/ (net) – Maximum	kW	43.5/ (39.2)	62.1/ (55.9)
	Output maximum	kW	41.9	59.3
	Nominal gas inlet pressure	mbar	20	
	Gas flow rate - maximum @1013.25 mbar and 15°C	m³/h	4.2	6.0
LPG G31 37mbar	Input, gross/ (net) – Maximum	kW	42.6/ (39.2)	60.8/ (55.9)
	Output maximum	kW	41.9	59.3
	Nominal gas inlet pressure	mbar	37	
	Gas flow rate - maximum @1013.25 mbar and 15°C	kg/h	3.1	4.4
Flue	NOx emission (DAF)–European Class 5	mg/kWh	51	
	Approximate flue gas volume @ 15°C, 9.0%CO ₂ , N.T.P.	m³/h	57.1	81.4
	Maximum flue gas temperature	°C	50	60
	Minimum pressure at the flue outlet	Pa	94	181
Electrical	Water heater only, start current–maximum (maximum power)	A (W)	0.6 (135)	
	Water heater only, run current–maximum (maximum power)	A (W)	0.52 (120)	
	Transfer station and solar controls interface, run current–(maximum power)	A (W)	3.05 (700)	
	Electrical power rating of the solar pump–maximum	W	165	
	Nominal supply voltage	volts	230V 1PH 50Hz	
Solar	Recommended solar fluid		Propylene glycol e.g. Tyfocor L (diluted 40% Tyfocor /60% water)	
	Maximum pressure of solar fluid circuit	bar	6	
Misc.	Noise level @ 2m distance from roof duct	dB(A)	<45	
	Number of (power) anodes	-	2	
	Approximate shipping weight	kg	245	
	Maximum floor load/ weight filled with water	kg	633	