

# Technical Data

## Dorchester DR-RS

	Specification	Units	Dorchester DR-RS Model					
			DR-RS 25	DR-RS 40	DR-RS 65	DR-RS 85	DR-RS 105	
Water	Continuous output with 44°C ΔT	l/h	507	811	1293	1740	1960	
	Continuous output with 50°C ΔT	l/h	446	714	1138	1531	1725	
	Continuous output with 55°C ΔT	l/h	406	649	1034	1392	1568	
	Storage capacity	litres	324	312	265			
	Maximum operating water pressure (open vented)	bar	8					
	Maximum operating water pressure (unvented)	bar	3.5 (=cold feed pressure reducing valve preset in unvented kit option)					
	Expansion relief valve setting (open vented kit)	bar	5					
Energy	Building Regulations thermal efficiency gross	%	82.31	81.11	81.15	80.15	80.20	
	Heating-up time, ΔT = 44°C	min.	38	23	12	9	8	
	Heating-up time, ΔT = 50°C	min.	43	26	14	10	9	
	Heating-up time, ΔT = 55°C	min.	47	28	15	11	10	
	Standby losses	kW/24h	9	10.4	8.3	9.0	9.9	
Gas	Nat. Gas G20-20mbar	Input power, gross–maximum	kW	31.6	51.2	81.6	111.1	125.2
		Output power–maximum	kW	25.9	41.5	66.2	89.0	100.3
		Gas inlet pressure–nominal	mbar	20				
		Gas flow rate–maximum@1013.25 mbar and 15°C	m³/h	3.1	5.0	7.9	10.8	12.2
	LPG G31-37mbar	Input power, gross/ (net)–maximum	kW	29.9	47.0	75.7	108.7	n/a
		Output–maximum	kW	25.0	38.9	62.6	89.0	n/a
		Gas inlet pressure–nominal	mbar	37				n/a
Flue	Approximate flue gas volume @15°C, 9.8% CO <sub>2</sub> , N.T.P. (Nat. Gas-G20)	m³/h	39.3	63.4	100.2	137.0	154.8	
	Flue gas temperature–maximum	°C	130	150	145	180	185	
General	Power consumption DR-SE (DR-SA)	W	100			275	300	
	Electrical supply	V <sub>AC</sub>	230 V 1 PH 50 Hz					
	Weight when empty	kg	230	245	295	320		
	Approximate shipping weight	kg	235	250	300	325		
	Maximum floor load/ weight filled with water	kg	554	557	560	585		