

CONTINUOUS
OUTPUTS

9

228-614

MODELS LITRES/HOUR

Dorchester DR-CC

Technical data

All Models

Dorchester DR-CC model		Units	DR-CC 12-160	DR-CC 12-200	DR-CC 20-160	DR-CC 20-200	DR-CC 24-245	DR-CC 24-285	DR-CC 32-245	DR-CC 32-285	DR-CC 32-380
Water	Continuous output with 44°C ΔT	l/h	228	233	374	374	461	465	602	608	614
	1st hour output with 44°C ΔT	l	360	470	510	620	740	820	870	960	1100
	Continuous output with 50°C ΔT	l/h	201	205	329	329	406	410	530	535	540
	1st hour output with 50°C ΔT	l	310	410	440	540	640	720	760	840	950
	Continuous output with 56°C ΔT	l/h	180	183	294	294	362	366	473	478	482
	1st hour output with 56°C ΔT	l	270	360	380	480	560	630	670	740	840
	Storage capacity	litres	162	202	162	202	247	288	247	288	384
	Maximum working pressure	bar	8	8	8	8	8	8	8	8	8
ErP load profile	-	XL	XL	XL	XL	XXL	XXL	XXL	XXL	XXL	
Energy	Building Regulations thermal efficiency gross	%	96	98	95	95	96	97	95	96	97
	ErP efficiency rating	-	A	A	A	A	A	A	A	A	A
	Heating-up time, ΔT = 44°C	min.	27	41	17	27	25	31	20	24	31
	Heating-up time, ΔT = 50°C	min.	31	47	19	30	29	35	22	27	36
	Heating-up time, ΔT = 56°C	min.	34	52	22	34	32	40	25	31	40
	Standby losses	kW/24h	2.16	2.3	2.16	2.3	2.64	2.97	2.64	2.97	2.9
Nat Gas	Input, gross – maximum	kW	12.1	12.1	20	20	24.4	24.4	32.2	32.2	32.2
	Input, net - maximum	kW	10.9	10.9	18	18	22	22	29	29	29
	Output – maximum	kW	11.7	11.9	19.1	19.1	23.5	23.8	30.7	31	31.3
	Gas inlet pressure – nominal	mbar	20	20	20	20	20	20	20	20	20
	Gas flow rate – maximum @1013.25 mbar and 15°C	m³/h	1.2	1.2	1.9	1.9	2.3	2.3	3.1	3.1	3.1
LPG	Input, gross – maximum	kW	11.8	11.8	19.6	19.6	23.9	23.9	31.5	31.5	31.5
	Output – maximum	kW	11.4	11.6	18.7	18.7	23	23.3	30.1	30.4	30.7
	Gas inlet pressure – nominal	mbar	37	37	37	37	37	37	37	37	37
	Gas flow rate – maximum @1013.25 mbar and 15°C	kg/h	0.8	0.8	1.4	1.4	1.7	1.7	2.3	2.3	2.3
Flue	Approximate flue gas volume @15°C, 9.8% CO ₂ , N.T.P. (Nat. Gas - G20)	m³/h	14.72	14.72	24.34	24.34	29.76	29.76	39.3	39.3	39.3
	Flue gas temperature – maximum	°C	42	61	42	61	57	65	57	65	65
	NO _x emission, dry air free, European Class 6. Maximum (at part load)	mg/kWh	22	22	30	30	33	33	37	37	37
	Pressure at the flue outlet only (B23) with zero pressure at air inlet	Pa	33	33	59	59	108	108	192	192	192
Electrical	Start current–maximum (maximum power)	A (W)	25	25	36	36	51	51	85	85	85
	Run current–maximum (maximum power)	A (W)	85	85	85	85	105	105	105	105	105
	Electrical supply	Vac	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz
	Voltage tolerance	% of Vac	-15% +10%	-15% +10%	-15% +10%	-15% +10%	-15% +10%	-15% +10%	-15% +10%	-15% +10%	-15% +10%
Misc.	Noise level	dB(A)	41	41	52	52	53	53	58	58	58
	Number of anodes	-	1	1	1	1	2	2	2	2	2
	Weight when empty	kg	95	106	95	106	120	136	120	136	155
	Approximate shipping weight	kg	114	122	114	122	136	153	136	153	172
	Maximum floor load/ weight filled with water	kg	255	306	255	306	365	429	365	429	551