Technical submittal

Products: **Dorchester DR-CC 32-285**
Project:
Customer: Date:

- Full automatic condensing direct fired water heater
- Down firing, modulating burner
- Inspection and clean out door for easy maintenance
- Glass lined
- Electronic anode protection
- No rear clearance required
- Suitable for LPG or natural gas
- 37mg/KWh NOx emission, dry air free, European Class 5. Maximum (at part load)
- 96% Building Regulations thermal efficiency gross
- XXL ErP load profile
- A ErP efficiency rating
- 288 litres storage capacity
- 535l/h continuous output (ΔT = 50°C)
- 27 minute heat up time (ΔT = 50°C)



	Dorchester DR-CC model	Units	DR-CC 32-285
Water	Continuous output with 44°C ΔT	l/h	608
	1st hour output with 44°C ΔT	l	960
	Continuous output with 50°C ΔT	l/h	535
	1st hour output with 50°C ΔT	l	840
	Continuous output with 56°C ΔT	l/h	478
	1st hour output with 56°C ΔT	l	740
	Storage capacity	litres	288
	Maximum working pressure	bar	8
	ErP load profile	-	XXL
Energy	Building Regulations thermal efficiency gross	%	96
	ErP efficiency rating	-	A
	Heating-up time, ΔT = 44°C	min.	24
	Heating-up time, ΔT = 50°C	min.	27
	Heating-up time, ΔT = 56°C	min.	31
	Standby losses	kW/24h	2.97
Nat Gas	Input, gross – maximum	kW	32.2
	Input, net - maximum	kW	29
	Output – maximum	kW	31
	Gas inlet pressure – nominal	mbar	20
	Gas flow rate – maximum @1013.25 mbar and 15°C	m^3/h	3.1
LPG	Input, gross – maximum	kW	31.5
	Output – maximum	kW	30.4
	Gas inlet pressure – nominal	mbar	37
	Gas flow rate – maximum@1013.25 mbar and 15°C	kg/h	2.3
Flue	Approximate flue gas volume @15°C, 9.8% CO_2, N.T.P. (Nat. Gas - G20)	m^3/h	39.3
	Flue gas temperature – maximum	°C	65
	NOx emission, dry air free, European Class 6. Maximum (at part load)	mg/kWh	37
	Pressure at the flue outlet only (B23) with zero pressure at air inlet	Pa	192
Electrical	Start current–maximum (maximum power)	A (W)	85
	Run current–maximum (maximum power)	A (W)	105
	Electrical supply	Vac	230V 50Hz
	Voltage tolerance	% of Vac	-15% +10%
Misc.	Noise level	dB(A)	58
	Number of anodes	-	2
	Weight when empty	kg	136
	Approximate shipping weight	kg	153
	Maximum floor load/ weight filled with water	kg	429

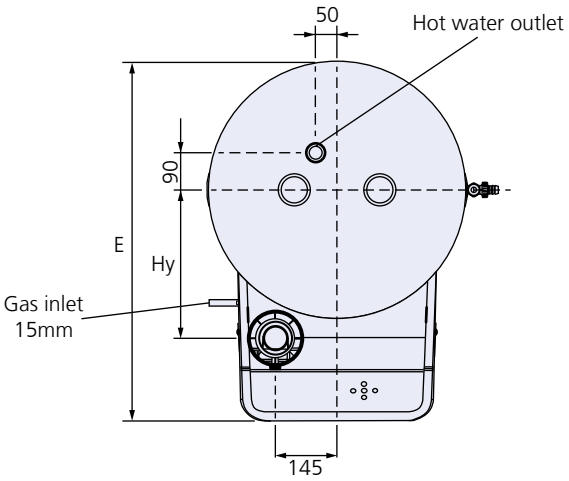
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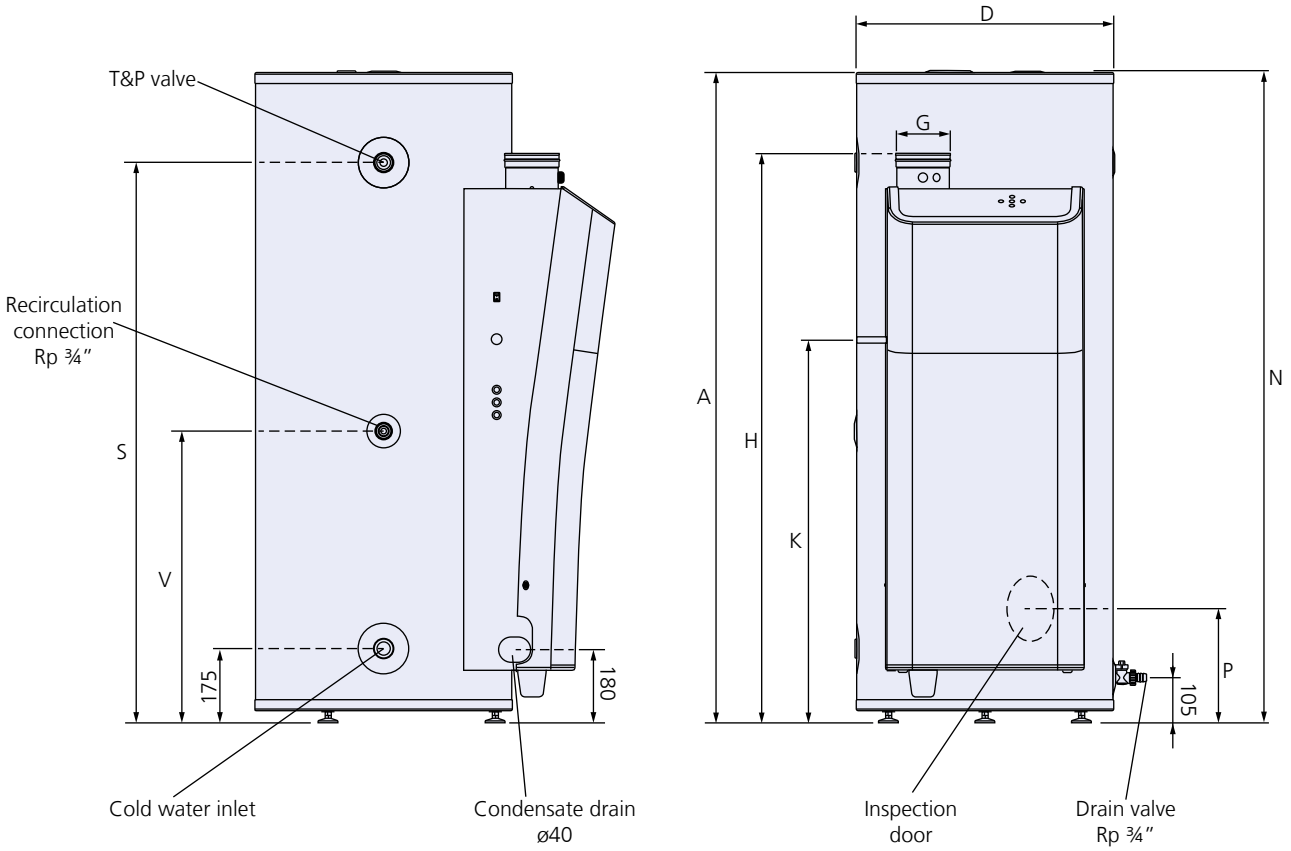
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Clearances

- 1000mm at front
- 500mm at sides
- 1000mm at top
- No rear clearances





	A	D	E	G	H	Hy	K	N	P	S	V
	Total Height	Width	Depth	Flue connection	Height of flue outlet	Position flue outlet	Height of gas connection	Height of hot water outlet	Height of inspection door	Height of T&P - valve connection	Height recirculation connection
DR-CC 32-285	1745	610	855	80/125	1350	350	910	1745	280	1535	690

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