Technical submittal

Products: **Dorchester DR-CC 20-200**
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
- 30mg/KWh NOx emission, dry air free, European Class 5. Maximum (at part load)
- 95% Building Regulations thermal efficiency gross
- XL ErP load profile
- A ErP efficiency rating
- 202 litres storage capacity
- 329l/h continuous output (ΔT = 50°C)
- 30 minute heat up time (ΔT = 50°C)



	Dorchester DR-CC model	Units	DR-CC 20-200
Water	Continuous output with 44°C ΔT	l/h	374
	1st hour output with 44°C ΔT	l	620
	Continuous output with 50°C ΔT	l/h	329
	1st hour output with 50°C ΔT	l	540
	Continuous output with 56°C ΔT	l/h	294
	1st hour output with 56°C ΔT	l	480
	Storage capacity	litres	202
	Maximum working pressure	bar	8
	ErP load profile	-	XL
Energy	Building Regulations thermal efficiency gross	%	95
	ErP efficiency rating	-	A
	Heating-up time, ΔT = 44°C	min.	27
	Heating-up time, ΔT = 50°C	min.	30
	Heating-up time, ΔT = 56°C	min.	34
	Standby losses	kW/24h	2.3
Nat Gas	Input, gross – maximum	kW	20
	Input, net - maximum	kW	18
	Output – maximum	kW	19.1
	Gas inlet pressure – nominal	mbar	20
	Gas flow rate – maximum @1013.25 mbar and 15°C	m^3/h	1.9
LPG	Input, gross – maximum	kW	19.6
	Output – maximum	kW	18.7
	Gas inlet pressure – nominal	mbar	37
	Gas flow rate – maximum@1013.25 mbar and 15°C	kg/h	1.4
Flue	Approximate flue gas volume @15°C, 9.8% CO2, N.T.P. (Nat. Gas - G20)	m^3/h	24.34
	Flue gas temperature – maximum	°C	61
	NOx emission, dry air free, European Class 6. Maximum (at part load)	mg/kWh	30
	Pressure at the flue outlet only (B23) with zero pressure at air inlet	Pa	59
Electrical	Start current–maximum (maximum power)	A (W)	36
	Run current–maximum (maximum power)	A (W)	85
	Electrical supply	Vac	230V 50Hz
	Voltage tolerance	% of Vac	-15% +10%
Misc.	Noise level	dB(A)	52
	Number of anodes	-	1
	Weight when empty	kg	106
	Approximate shipping weight	kg	122
	Maximum floor load/weight filled with water	kg	306

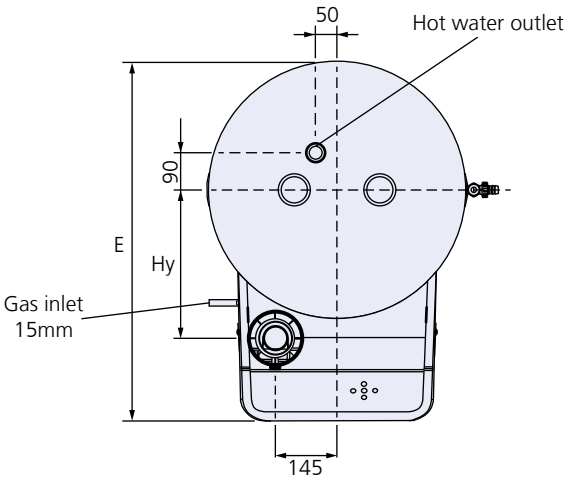
Every effort has been taken to ensure the details are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.

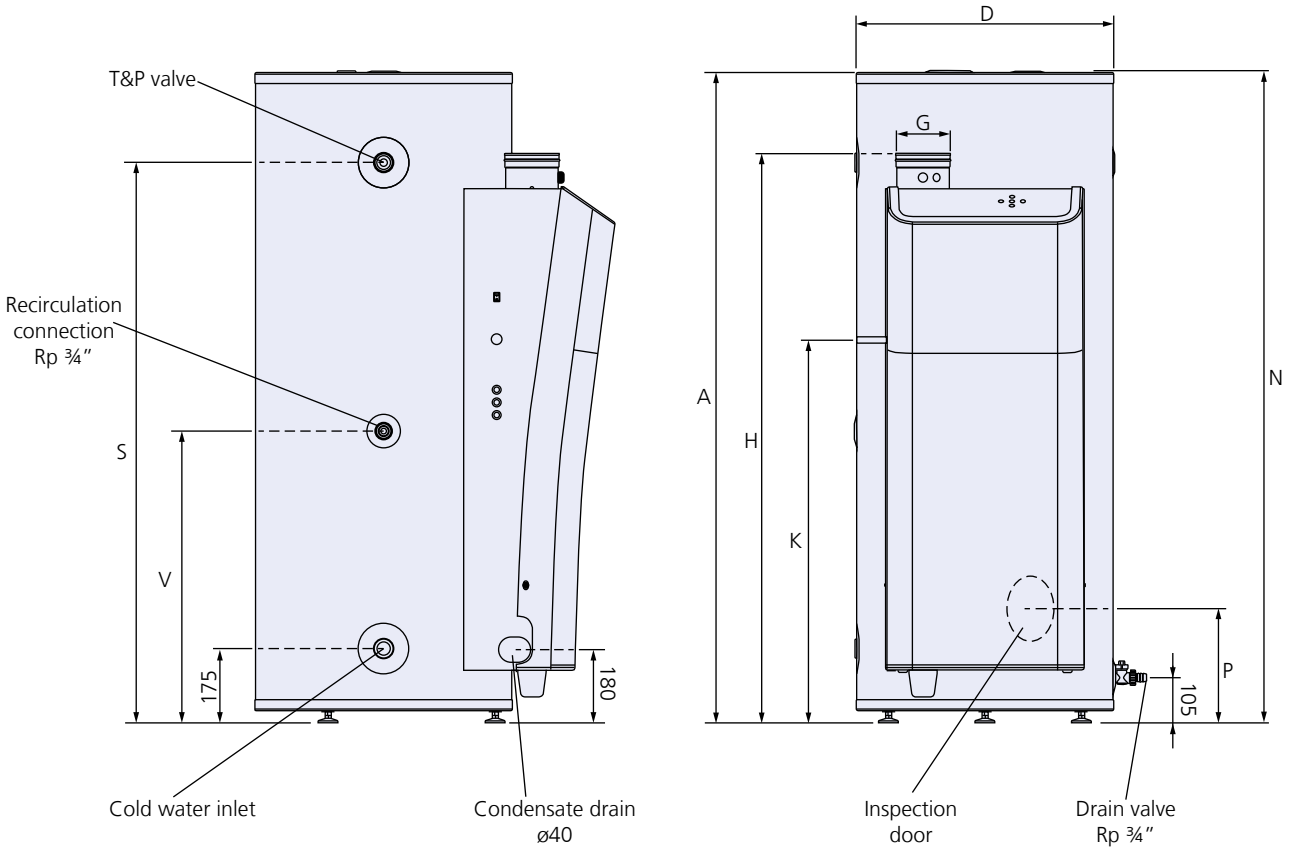
Technical submittal

Products: **Dorchester DR-CC 20-200**
Project:
Customer: Date:

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 20-200	1545	560	805	80/125	1310	325	870	1545	155	1325	605

Every effort has been taken to ensure the details are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.