

HD250 | Specification Guide

Heavy Duty Continuous Flow Hot Water

Rinnai were the first to introduce the Commercial Heavy Duty Continuous Flow water heater, back in 2003. Today's Rinnai HD250 is the result of Japanese progress culminating in the ultimate quality design and efficiency.



The largest capacity Heavy Duty Continuous Flow unit in our range is a work horse with its robust design and Japanese engineering excellence. With a massive 37 l/min flow rate and 59kW energy output it's no surprise that its widely used in many Commercial hot water applications from process plant equipment to simple ablution facilities.

Features

- 83% thermal efficiency
- Renowned Japanese quality and designed components manufactured in Rinnai's own state of the art facility
- 59kW output capacity
- Heat exchange bypass technology to maintain perfect temperature while reducing pressure loss
- High quality components
- MECs (Manifold Electronic Control System) compatible
- Built in status operation monitor displays set water temperature and system status
- BMS fault option
- Low pressure loss design
- High temperature safety cut-out
- Water controllers can be fitted and interfaced with MECs for superior control
- 42°C, 50°C, 75°C and 95°C pre-set temperatures available
- Anti-frost protection down to -20°C
- Natural gas or LPG models available



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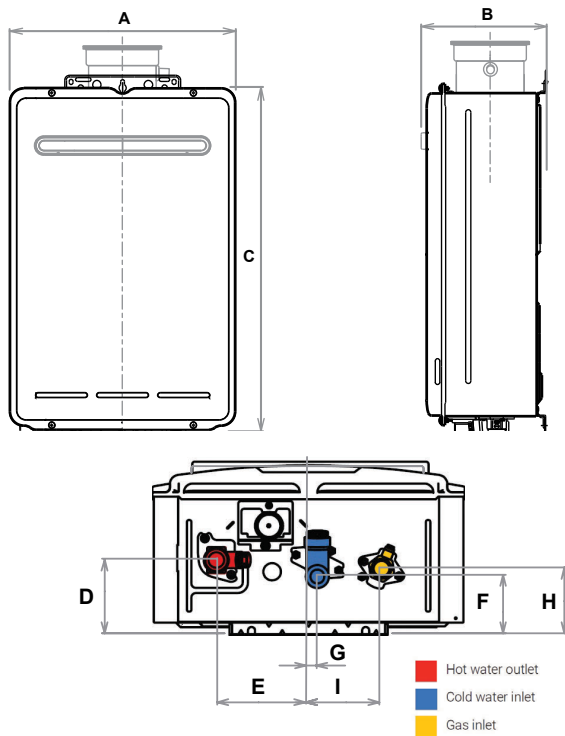
Selection

A continuous flow water heater never runs out of hot water and will deliver the desired flow rate and energy output capacity relative to the temperature of the incoming water. Our in-house designed and built PCB communicates closely with the incoming water servo, bypass assembly and gas valve to measure, and modulate the unit ensuring the right temperature and flow is maintained.

		HD250e Capacity (kW)								
		Flow Rate (l/min)								
Temperature Rise (°C)		5	10	15	20	25	30	35	37	
	5	2	3	5	7	9	10	12	13	
	10	3	7	10	14	17	21	24	26	
	15	5	10	16	21	26	31	37	39	
	20	7	14	21	28	35	42	49	52	
	25	9	17	26	35	44	52			
	30	10	21	31	42	52				
	35	12	24	37	49					
	40	14	28	42	56					
	45	16	31	47						
	50	17	35	52						
	55	19	38							
60	21	42								
65	23	45								
70	24	49								
75	26	52								

Flow at 20 °C rise	37.0 l/min
Flow at 25 °C rise	33.0 l/min
Flow at 35 °C rise	24.0 l/min
Flow at 45 °C rise	19.0 l/min
Flow at 50 °C rise	17.0 l/min
Flow at 60 °C rise	14.0 l/min
Flow at 75 °C rise	11.0 l/min

Model		HD250e	
Factory pre-set temperatures	°C	75	
		50	
		42	
Max temperature setting	°C	95	
Min operating water flow rate (L/min)		2.4	
Min water pressure (kPa)		190	
Max water pressure (kPa)		1000	
Gas rate (MJ/h)	NG	Min	21
		Max	250
	LPG	Min	21
		Max	250
Thermal efficiency	%	82.6	
Max capacity	kW	59.3	
MECS compatibility		Yes	
Status monitor		Yes	
Electrical consumption	W	100	
Sound Level		<52	
Width	A (mm)	470	
Depth (inc brackets)	B (mm)	244	
Height (inc brackets)	C (mm)	600	
Hot water outlet (from wall)	D (mm)	115	
Hot water outlet (from centre)	E (mm)	61	
Cold water inlet (from wall)	F (mm)	99	
Cold water inlet (from centre)	G (mm)	52	
Gas connection (from wall)	H (mm)	61	
Gas connection (from centre)	I (mm)	110	
Hot/ cold gas fitting diameter	(mm)	20	
Weight	(kg)	29	



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