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 HD200 is the result of Japanese progress culminating in the ultimate quality design and efficiency.



No commercial hot water task is too much for this heater, available in both internal or external options, it is no surprise that the Rinnai HD Series is still the number one choice for Commercial hot water applications.

Features

- · 82% thermal efficiency
- Renowned Japanese quality and designed components manufactured in Rinnai's own state of the art facility
- · Internal and external options available
- Heat exchange bypass technology to maintain perfect temperature while reducing pressure loss
- 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 or 75°C pre-set temperatures available
- Anti-frost protection down to -20°C
- · Natural gas or LPG models available

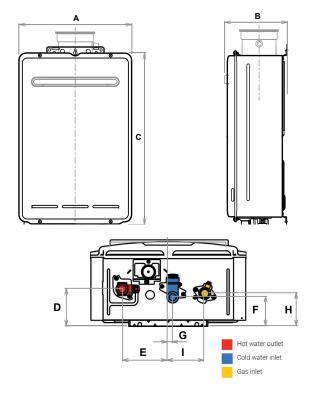




Selection

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.

		HD200e/HD200i Capacity (kW)									
		Flow Rate (I/min)									
		5	10	15	20	25	30	32			
Temperature Rise (°C)	5	2	3	5	7	9	10	11			
	10	3	7	10	14	17	21	22			
	15	5	10	16	21	26	31	34			
	20	7	14	21	28	35	42	45			
	25	9	17	26	35	44					
	30	10	21	31	44	45					
	35	12	24	37	45						
	40	14	28	45							
	45	16	31								
	50	17	35								
	55	19	38								
	60	21	42								
	65	23	45								
	70	24									
·	75	26									



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Flow at 20 °C rise	32.0 I/min
Flow at 25 °C rise	26.0 l/min
Flow at 35 °C rise	18.5 l/min
Flow at 45 °C rise	14.5 l/min
Flow at 50 °C rise	13.1 l/min
Flow at 60 °C rise	11.0 I/min
Flow at 75 °C rise	8.5 l/min

Factory pre-set temperatures °C 50 50 50 42 42 Max temperature setting °C 85 85 Min operating water flow rate (L/min) 24 24 Max water pressure (kPa) Min water pressure (kPa) Min 16 16 Max 199 195 Thermal efficiency Max capacity Max 199 Thermal efficiency Max 199 Thermal efficiency Max 199 195 Thermal efficiency Max 199 Thermal efficiency Max 199 The 16 Max 199 Max 190 Max 199 Max 190 Max 199 Max 199 Max 199 Max 199 Max 199 Max 199 Max 190 Max 199 Max 190 Max 199 Max 190 Max 199 Max 199 Max 199 Max 190 Max 199 Ma				LIDOGO	LIDOGO:
Factory pre-set temperatures **C 50 50 42 42 Max temperature setting **C 85 85 Min operating water flow rate (L/min) **D 24 24 **D 24 25 **D 24 24 **D 24 **D 24 24 **	Model			HD200e	HD200i
Min operating water flow rate (L/min) 2.4 2.4 Min water pressure (kPa) 180 140 Max water pressure (kPa) 1000 1000 Gas rate (MJ/h) NG Min 16 16 Max 199 195 Min 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Factory pre-set temperatures	°C		50	50
Min water pressure (kPa) 180 140 Max water pressure (kPa) 1000 1000 Gas rate (MJ/h) NG Min 16 16 Max 199 195 Min 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Max temperature setting	°C		85	85
Max water pressure (kPa) 1000 1000 Amin 16 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Min operating water flow rate (L/min)			2.4	2.4
Gas rate (MJ/h) NG Min 16 16 Max 199 195 Min 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Min water pressure (kPa)			180	140
Gas rate (MJ/h) NG Max 199 195 LPG Min 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52 Width A (mm) 350 350 Depth (inc brackets) B (mm) 251 235 Height (inc brackets) C (mm) 600 600 Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from centre) I (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Max water pressure (kPa)			1000	1000
Max 199 195 LPG Min 16 16 Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52		NG	Min	16	16
LPG Min 16 16 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	O (NA 1/I-)		Max	199	195
Max 199 195 Thermal efficiency % 81.6 83.4 Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Gas rate (MJ/n)		Min	16	16
Max capacity kW 45.9 45.1 MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52		LPG	Max	199	195
MECS compatibility Yes Yes Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Thermal efficiency	%		81.6	83.4
Status monitor Yes Yes Electrical consumption W 100 90 Sound Level <52	Max capacity	kW		45.9	45.1
Electrical consumption W 100 90 Sound Level <52	MECS compatibility			Yes	Yes
Sound Level <52 Width A (mm) 350 350 Depth (inc brackets) B (mm) 251 235 Height (inc brackets) C (mm) 600 600 Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Status monitor			Yes	Yes
Width A (mm) 350 350 Depth (inc brackets) B (mm) 251 235 Height (inc brackets) C (mm) 600 600 Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Electrical consumption	W		100	90
Depth (inc brackets) B (mm) 251 235 Height (inc brackets) C (mm) 600 600 Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Sound Level			<5	52
Height (inc brackets) C (mm) 600 600 Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Width		A (mm)	350	350
Hot water outlet (from wall) D (mm) 96 96 Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Depth (inc brackets)		B (mm)	251	235
Hot water outlet (from centre) E (mm) 110 110 Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Height (inc brackets)		C (mm)	600	600
Cold water inlet (from wall) F (mm) 75 75 Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Hot water outlet (from wall)		D (mm)	96	96
Cold water inlet (from centre) G (mm) 27* 27* Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Hot water outlet (from centre)		E (mm)	110	110
Gas connection (from wall) H (mm) 104 104 Gas connection (from centre) I (mm) 89 89	Cold water inlet (from wall)		F (mm)	75	75
Gas connection (from centre) I (mm) 89 89	Cold water inlet (from centre)		G (mm)	27*	27*
()	Gas connection (from wall)		H (mm)	104	104
Hot/cold gas fitting diameter (mm) 20 20	Gas connection (from centre)		I (mm)	89	89
110th Cold gas Intiling diameter (IIIIII) 20 20	Hot/ cold gas fitting diameter		(mm)	20	20
Weight (kg) 21 21	Weight		(kg)	21	21

^{*}Please note that this measurement is to the left of the centre line.

TOTAL HOME COMFORT







