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
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)

<table>
<thead>
<tr>
<th>Temperature Rise (°C)</th>
<th>Flow Rate (l/min)</th>
<th>Flow at 20 °C rise</th>
<th>Flow at 25 °C rise</th>
<th>Flow at 35 °C rise</th>
<th>Flow at 45 °C rise</th>
<th>Flow at 50 °C rise</th>
<th>Flow at 60 °C rise</th>
<th>Flow at 75 °C rise</th>
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<tbody>
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<td>5</td>
<td>2 3 5 7 9 10 12 13</td>
<td>37.0 l/min</td>
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</table>

### 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 <db: <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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TOTAL HOME COMFORT

HOT WATER  HEATING  COOLING