Demand Duo | Specification Guide



Rinnai

What is a Demand Duo?



A Rinnai Demand Duo is a combination of Heavy Duty Continuous Flow Water Heaters that maintain the temperature in a heavily insulated grade of 444 Stainless Steel storage tank. The storage tank acts as a hydraulic separator between the primary and secondary loop of the Hot Water System whilst balancing the pressure between the cold and hot water.

Demand Duos are designed and made in Australia (HD water heaters manufactured in Japan) and backed by Rinnai's global commitment to quality.

How does it work?

As a complete packaged storage hot water system a Demand Duo is made up of one or more HD water heaters Manifolded in parallel, primary pump(s), controller and a 444 grade Stainless Steel Storage tank.

The inbuilt controller detects the temperature of the water in the tank and when it drops below the set value, the primary pump is activated. This flow in turn activates the Continuous Flow HD Water Heater(s) which returns heated water to the tank.

Packages are available in standard customisable form or as a complete engineered system mounted on a skid base. Both are supplied in modular form for ease of installation and transport. In a Single Lift scenario it will not be transported in modular form.

What are the key benefits?

- · A short period of high hot water flow rate
- · Various Heavy Duty Continuous Flow heater options available
- 444 Stainless Steel Storage Tanks with 250L and 315L storage volumes
- Option of 32mm or 50mm plumbing connections on storage tanks to cater for higher flow rates
- Heat source can be located away from the tank to suit installation requirements per project
- Modular construction for ease of installation and transport
- Perfect for projects with a limited gas supply
- · External or internal units available
- A single HD water heater Demand Duo (DD1) is a stand-alone appliance for ease of installation which is perfect for quick replacements
- Single Lift option of the heat source, primary pump(s) and controller(s) for fast site installation
- Dual Primary Pump(s) and Control System(s) available in back to back systems.
- Innovative controller with push button interface and LCD display

What are suitable applications?

- Hotels and Motels
- · Shower Blocks
- Apartment Blocks
- Commercial Kitchens
- Student Accommodation
- · Commercial Laundries
- · Variety of other applications where a quick recovery rate is required

Heart of the system

Our Heavy Duty Continuous Flow range of water heaters are specifically designed for commercial use with inbuilt intelligence and durability to stand the test of time in the harshest of commercial environments. With various efficiency and flow rate options available Rinnai can provide the perfect solution based on your application, whether internally or externally mounted. Generally, projects with very high energy costs would benefit from the use of our HD210 higher efficiency condensing technology as the increased capital expenditure is absorbed by the annual energy cost savings.

Heavy Duty Non Condensing (83% Thermal Efficiency)







HD28E 28I/min

HD28I 28I/min

HD32E 32 L/Min

Heavy Duty Condensing (97% Thermal Efficiency)







HD210i 32 L/Min

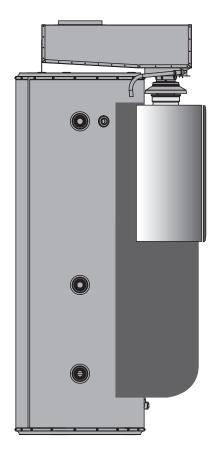
Demand Duo Standard Options

How are standard packages supplied?

Demand Duo is available in a wide variety of options to suit your budget. These various forms offer installation flexibility or a complete package resulting in no plumbing or installation work being required. From an integrated Demand Duo with one heater to multiple tanks with multiple heaters there is a solution that can easily be selected to streamline your project.

Integrated Demand Duo 1 gas storage option

Replacement of an existing gas storage heater is made simple with our Demand Duo 1 unit. Lightweight yet robust construction allows for easy transportation into those hard to get to places while offering many years of consistent hot water. Your choice of HD water heater is integrated with our long lasting stainless-steel tank making it lighter than most other commercial grade gas storage options available. The smallest unit available with a 250L tank and HD28 weighs in at approximately 100 kgs.







Demand Duo using multiple HD's

If your project has a large hot water demand where high peak flow rates are expected then selecting a Demand Duo with multiple water heaters is ideal. A modular system using a stainless steel storage tank will cater for this hot water load. Installation is made easy with our three options under the Demand Duo range available – whether it's a retrofit project or a complete package you're looking for we have the solution.

Demand Duo

The tried and tested Demand Duo, that has widely become accepted as the go-to product for centralised hot water systems, is supplied in a modular form being split into 3 major components.

- 1. Stainless Steel Storage Tank(s)
- 2. Primary activation pump(s) and required fittings
- 3. Heat source (using the HD water heaters of your choice) with integrated intelligent controller

The heat source is bundled in modules for ease of transportation to the installation site which is ideal for those upgrade projects to replace existing outdated hot water plants.

When working in a tight space, particularly an internal plant room, the flexibility of this Demand Duo system will allow a solution to be designed that could even be installed in stages to minimise interruption to hot water supply.

Demand Duo Plus

As a relatively new addition to the range the Demand Duo Plus is also supplied in modules but in a slightly different format being split into 2 major components reducing on-site installation time.

- 1. Stainless Steel Storage Tank(s)
- 2. Heat source (using the HD Water Heaters of your choice) with integrated intelligent controller and primary activation pump

The heat source is also bundled in modules for ease of transportation but with additional features to save valuable assembly time. The primary activation pump(s) is pre-mounted and appropriately plumbed, including insulation, with the added inclusion of electrical GPO's for the water heaters and the intelligent controller.

Demand Duo Pro

The Demand Duo Pro is the ultimate hot water package that removes all the worry of assembling modules on site effectively removing all on-site installation time. It is uniquely designed to be sited in position with minimal fuss as all plumbing, insulation and electrical work is provided.

The complete package is engineered to suit your project requirements and mounted on a suitably robust skid base. All you need to do is connect your pipework, plug it in to an electrical outlet and away you go!









Solutions and Accessories

Rinnai can offer a customised solution with a high focus on your core deliverables. The aesthetic appearance of developments is paramount. We can tailor solutions to suit your business, bespoke systems can be constructed to suit specific requirements including (but not limited to) lower frame size, precise wall mounting application or different size pipework. Rinnai's Commercial Hot Water Solutions match minimum height requirements, are modular and compact, and can be easily integrated into the building, with easy access for future serviceability. To compliment this, we have an extensive range of accessories.

Accessories

- 315L Horizontal Storage Tank with 32mm plumbing connections
- Single circulation pumps for reticulation systems
- Dual circulation pumps for reticulation systems with intelligent controller packed with features
- Building Management System (BMS) integration
- · Common flueing for internal installations
- Centralised Warm Water Management Valve

- Legionella control devices
- Heat exchange systems offering flexibility in design of pressure zones or water quality management
- Remote monitoring systems to manage your hot water plants from anywhere at anytime
- Non-modular packages with engineered frame and lifting points for easy hoisting and placement on site



Large Pumpset



Pump Plate



Heat Exchange Systems



Horizontal Tank



Large MP Lifting with engineered frame



◆ Tradewinds Cairns | QLD Riley Crystalbrook Resort

Crystalbrook Collection embarked on developing its first five-star hotel, Riley, A Crystalbrook Collection Resort. Located at the northern end of Cairns iconic waterfront Esplanade, the resort features 311 rooms and suites, three restaurants and bars, an expansive lagoon pool and private beach, the Eléme Day Spa and much more.

Rinnai provided two Demand Duo Systems using high efficiency condensing Heavy Duty Water Heaters split over 2 plants. One of which was specifically designed on a low frame to suit the stringent design constraints.

▶ Skye Suites | NSW

A striking new 25-storey high rise, with 73 suites for guests it was designed by the Tokyo-born Sydney architect Koichi Takada. At street level, Arc presents as a handsome 19th-century warehouse, its red-brick columns holding up elegant arches. Twin towers above are topped with arched ribs that look from a distance like white armadillo shells.

Rinnai provided a complex mixture of four Demand Duo systems using Heavy Duty Water Heaters. Common flue was a key feature to minimise the aesthetic impact on the building's exterior which is often the case with multiple flue terminals.



◆ City West Police Complex | VIC

In a prime location on Spencer Street in Melbournes CBD the brief for this brand new state of the art police station was quite specific – construct to exacting security standards but with a 5 star green energy rating.

The internal hot water plant was very specific with two sources of preheated water (to save on fuel costs) and a maximum allowable water temperature to be circulated around the building. Using our Warm Water valve as the basis Rinnai was able to design and construct a complex safety and preheat blending valve system.

Selecting a Demand Duo System

What information do I need?

The following information is required to select a Demand Duo System:

- Delivery temperature required. The available temperatures are 65°C 82°C in 1°C increments
- Volume of hot water used per event (i.e. people having a shower)
- Number of times this event occurs (i.e. 6 uses of each shower head per hour)
- Internal or external installation (i.e. whether a flue system is required)

A Demand Duo is selected based on the volume of water used per event multiplied by the number of events that occur. This is calculated over a set period of time which is usually one hour.

With our predetermined sizing criteria its never been easier to determine the first hour hot water demand and select the appropriate system.

Apartments

1 bedroom unit = 45 litres in the first hour 2 bedroom unit = 75 litres in the first hour 3 bedroom unit = 105 litres in the first hour

Amenities

Each shower outlet = 27 litres per shower with a maximum of 6 showers per hour

Note: For constant usage showers (sporting clubs as an example) a Rinnai Manifold Pack would be a better option.

Hotel

1 bed in a 1-3 star Hotel = 22 litres in the first hour 1 bed in a 4-5 star Hotel = 35 litres in the first hour Note: This allows for showers, meals and laundry

Example:

An apartment block in Melbourne consisting of 40 apartments with 2 bedrooms and 10 apartments with 1 bedroom requires hot water at a delivery temperature of 65°C:

- 1. Calculate the hot water demand for the 2 bedroom apartments = 40 x 75 litres = 3000 litres
- 2. Calculate the hot water demand for the 1 bedroom apartments = 10 x 45 litres = 450 litres
- 3. Once you have arrived at the total first hour requirement, 3450 litres in this instance you can select your system
- 4. Determine which HD heat source you wish to employ and refer to the tables below to select a system. Using a HD28 external in this example the resulting selection is DD4 28 250

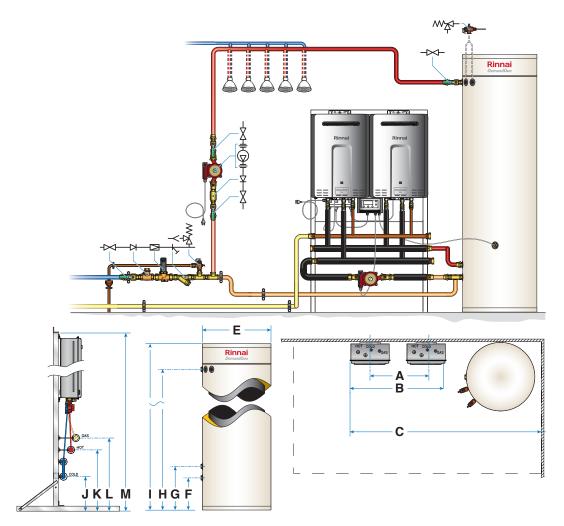
| Demand Duo systems using HD28 Heaters for internal or external applications | | | | | | | | |
|---|---------------------|------------------------|-------------------|---------------------|------------------|--------------|----------|--|
| Apartments | Apartments | Hotel | Amenities | First Hour | Recovery Rate | | Gas Rate | |
| No. of 2 Bedrooms | No. of 2&3 Bedrooms | No.of Beds (3 Star) | No. of Showers | L/H 50°C rise | L/H 50°C rise | Model | MJ/H | |
| 15 | 12 | 50 | 7 | 1110 | 835 | DD128250 | 210 | |
| 16 | 13 | 53 | 7 | 1170 | 835 | DD128315 | 210 | |
| 26 | 22 | 88 | 12 | 1940 | 1670 | DD 2 28 250 | 420 | |
| 27 | 22 | 91 | 12 | 2000 | 1670 | DD 2 28 315 | 420 | |
| 37 | 31 | 126 | 17 | 2775 | 2505 | DD 3 28 250 | 630 | |
| 38 | 32 | 129 | 18 | 2835 | 2505 | DD 3 28 315 | 630 | |
| 48 | 40 | 164 | 22 | 3610 | 3340 | DD 4 28 250 | 840 | |
| 49 | 41 | 167 | 23 | 3670 | 3340 | DD 4 28 315 | 840 | |
| 59 | 49 | 202 | 27 | 4445 | 4175 | DD 5 28 250 | 1050 | |
| 60 | 50 | 205 | 28 | 4505 | 4175 | DD 5 28 315 | 1050 | |
| 70 | 59 | 240 | 33 | 5280 | 5010 | DD 628250 | 1260 | |
| 71 | 59 | 243 | 33 | 5340 | 5010 | DD 6 28 315 | 1260 | |
| 82 | 68 | 278 | 38 | 6115 | 5845 | DD728250 | 1470 | |
| 82 | 69 | 281 | 38 | 6175 | 5845 | DD728315 | 1470 | |
| 96 | 80 | 328 | 45 | 7220 | 6680 | DD 8 28 500 | 1680 | |
| 98 | 82 | 334 | 45 | 7350 | 6680 | DD 8 28 630 | 1680 | |
| 107 | 90 | 366 | 50 | 8055 | 7515 | DD 9 28 500 | 1890 | |
| 109 | 91 | 372 | 51 | 8185 | 7515 | DD 9 28 630 | 1890 | |
| 119 | 99 | 404 | 55 | 8890 | 8350 | DD 10 28 500 | 2100 | |
| 120 | 100 | 410 | 56 | 9020 | 8350 | DD 10 28 630 | 2100 | |



| ı | Demand Duo s | systems | using HD25 | OE Hea | ters for exte | ernal applications | | |
|----------------------|------------------------|---------------------------|-------------------|---------------------|------------------|--------------------|----------|--|
| Apartments | Apartments | Hotel | Amenities | First Hour | Recovery Rate | | Gas Rate | |
| No. of 2 Bedrooms | No. of 2&3 Bedrooms | No.of Beds (3 Star) | No. of Showers | L/H 50°C rise | L/H 50°C rise | Model | MJ/H | |
| 17 | 14 | 59 | 8 | 1290 | 1015 | DD132E250 | 250 | |
| 18 | 15 | 61 | 8 | 1350 | 1015 | DD 132E 315 | 250 | |
| 31 | 26 | 105 | 14 | 2305 | 2030 | DD 2 32E 250 | 500 | |
| 32 | 26 | 108 | 15 | 2365 | 2030 | DD 232E315 | 500 | |
| 44 | 37 | 151 | 20 | 3320 | 3050 | DD 3 32E 250 | 750 | |
| 45 | 38 | 154 | 21 | 3385 | 3050 | DD 3 32E 315 | 750 | |
| 58 | 48 | 197 | 27 | 4340 | 4065 | DD 432E 250 | 1000 | |
| 59 | 49 | 200 | 27 | 4400 | 4065 | DD 4 32E 315 | 1000 | |
| 71 | 60 | 243 | 33 | 5355 | 5085 | DD 5 32E 250 | 1250 | |
| 72 | 60 | 246 | 33 | 5420 | 5085 | DD 532E315 | 1250 | |
| 85 | 71 | 290 | 39 | 6375 | 6100 | DD 632E250 | 1500 | |
| 86 | 72 | 293 | 40 | 6435 | 6100 | DD 6 32E 315 | 1500 | |
| 99 | 82 | 336 | 46 | 7390 | 7120 | DD732E250 | 1750 | |
| 99 | 83 | 339 | 46 | 7450 | 7120 | DD732E315 | 1750 | |
| 116 | 96 | 395 | 54 | 8680 | 8135 | DD 832E500 | 2000 | |
| 117 | 98 | 400 | 54 | 8805 | 8135 | DD 8 32E 630 | 2000 | |
| 129 | 108 | 441 | 60 | 9695 | 9155 | DD932E500 | 2250 | |
| 131 | 109 | 446 | 61 | 9820 | 9155 | DD 9 32E 630 | 2250 | |
| 143 | 119 | 487 | 66 | 10715 | 10170 | DD 10 32E 500 | 2500 | |
| 145 | 120 | 493 | 67 | 10840 | 10170 | DD 10 32E 630 | 2500 | |

| Demand Duo | Demand Duo systems using HD210E/i Condensing Heaters for external or internal applications | | | | | | | | |
|----------------------|--|---------------------------|-------------------|---------------------|------------------|---------------|----------|--|--|
| Apartments | Apartments | Hotel | Amenities | First Hour | Recovery Rate | | Gas Rate | | |
| No. of 2 Bedrooms | No. of 2&3 Bedrooms | No.of Beds (3 Star) | No. of Showers | L/H 50°C rise | L/H 50°C rise | Model | MJ/H | | |
| 16 | 14 | 56 | 8 | 1225 | 955 | DD 1210 250 | 210 | | |
| 17 | 14 | 59 | 8 | 1290 | 955 | DD 1210 315 | 210 | | |
| 29 | 24 | 99 | 13 | 2185 | 1910 | DD 2 210 250 | 420 | | |
| 30 | 25 | 102 | 14 | 2245 | 1910 | DD 2 210 315 | 420 | | |
| 42 | 35 | 143 | 19 | 3140 | 2870 | DD 3 210 250 | 630 | | |
| 43 | 36 | 146 | 20 | 3205 | 2870 | DD 3 210 315 | 630 | | |
| 55 | 46 | 186 | 25 | 4100 | 3825 | DD 4 210 250 | 840 | | |
| 55 | 46 | 189 | 26 | 4160 | 3825 | DD 4 210 315 | 840 | | |
| 67 | 56 | 230 | 31 | 5055 | 4785 | DD 5 210 250 | 1050 | | |
| 68 | 57 | 233 | 32 | 5115 | 4785 | DD 5 210 315 | 1050 | | |
| 80 | 67 | 273 | 37 | 6010 | 5740 | DD 6 210 250 | 1260 | | |
| 81 | 68 | 276 | 38 | 6075 | 5740 | DD 6 210 315 | 1260 | | |
| 93 | 77 | 317 | 43 | 6970 | 6700 | DD 7 210 250 | 1470 | | |
| 94 | 78 | 320 | 43 | 7030 | 6700 | DD7210315 | 1470 | | |
| 109 | 91 | 373 | 51 | 8200 | 7655 | DD 8 210 500 | 1680 | | |
| 111 | 93 | 378 | 51 | 8325 | 7655 | DD 8 210 630 | 1680 | | |
| 122 | 102 | 416 | 57 | 9155 | 8615 | DD 9 210 500 | 1890 | | |
| 124 | 103 | 422 | 57 | 9280 | 8615 | DD 9 210 630 | 1890 | | |
| 135 | 112 | 460 | 62 | 10115 | 9570 | DD 10 210 500 | 2100 | | |
| 136 | 114 | 465 | 63 | 10235 | 9570 | DD 10 210 630 | 2100 | | |

Specifications



| | HD28 External/Internal Demand Duo | | | | | | | | | | | | | |
|-------------|-----------------------------------|------|------|-----|-----|-----|------|------|-----|-----|-----|------|------------|--------------|
| Model | Α | В | С | E | F | G | н | ı | J | K | L | М | Dry Weight | No. Of Tanks |
| DD2 28 250 | 375 | 750 | 1600 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 120 Kg | 1 |
| DD2 28 315 | 375 | 750 | 1600 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 132 Kg | 1 |
| DD3 28 250 | 375 | 1125 | 1925 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 150 Kg | 1 |
| DD3 28 315 | 375 | 1125 | 1925 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 162 Kg | 1 |
| DD428250 | 375 | 1500 | 2350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 180 Kg | 1 |
| DD4 28 315 | 375 | 1500 | 2350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 192 Kg | 1 |
| DD5 28 250 | 375 | 1875 | 2725 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 210 Kg | 1 |
| DD5 28 315 | 375 | 1875 | 2725 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 222 Kg | 1 |
| DD6 28 250 | 375 | 2250 | 3100 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 240 Kg | 1 |
| DD6 28 315 | 375 | 2250 | 3100 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 252 Kg | 1 |
| DD728250 | 375 | 2625 | 3475 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 270 Kg | 1 |
| DD7 28 315 | 375 | 2625 | 3475 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 282 Kg | 1 |
| DD8 28 500 | 375 | 3000 | 4700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 370 Kg | 2 |
| DD8 28 630 | 375 | 3000 | 4700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 394 Kg | 2 |
| DD928500 | 375 | 3375 | 5075 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 400 Kg | 2 |
| DD9 28 630 | 375 | 3375 | 5075 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 424 Kg | 2 |
| DD10 28 500 | 375 | 3750 | 5450 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 430 Kg | 2 |
| DD10 28 630 | 375 | 3750 | 5450 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 454 Kg | 2 |
| DD1128500 | 375 | 4125 | 5825 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 460 Kg | 2 |
| DD1128630 | 375 | 4125 | 5825 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 484 Kg | 2 |
| DD1228500 | 375 | 4500 | 6200 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 490 Kg | 2 |
| DD12 28 630 | 375 | 4500 | 6200 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 514 Kg | 2 |

| | | | | | | HD32 F | External De | mand Duo | | | | | | |
|-------------|-----|------|------|-----|-----|--------|-------------|----------|-----|-----|-----|------|------------|--------------|
| Model | Α | В | С | E | F | G | н | 1 | J | К | L | М | Dry Weight | No. Of Tanks |
| DD232E250 | 500 | 1000 | 1850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 131 Kg | 1 |
| DD2 32E 315 | 500 | 1000 | 1850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 143 Kg | 1 |
| DD332E32E | 500 | 1500 | 2350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 165 Kg | 1 |
| DD3 32E 315 | 500 | 1500 | 2350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 177 Kg | 1 |
| DD432E32E | 500 | 2000 | 2850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 204 Kg | 1 |
| DD432E315 | 500 | 2000 | 2850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 216 Kg | 1 |
| DD532E250 | 500 | 2500 | 3350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 238 Kg | 1 |
| DD5 32E 315 | 500 | 2500 | 3350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 250 Kg | 1 |
| DD632E32E | 500 | 3000 | 3850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 272 Kg | 1 |
| DD632E315 | 500 | 3000 | 3850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 284 Kg | 1 |
| DD732E32E | 500 | 3500 | 4350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 306 Kg | 1 |
| DD732E315 | 500 | 3500 | 4350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 318 Kg | 1 |
| DD832E500 | 500 | 4000 | 5700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 402 Kg | 2 |
| DD8 32E 630 | 500 | 4000 | 5700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 426 Kg | 2 |
| DD932E500 | 500 | 4500 | 6200 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 436 Kg | 2 |
| DD932E630 | 500 | 4500 | 6200 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 460 Kg | 2 |
| DD1032E500 | 500 | 5000 | 6700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 470 Kg | 2 |
| DD1032E630 | 500 | 5000 | 6700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 494 Kg | 2 |
| DD1132E500 | 500 | 5500 | 7200 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 504 Kg | 2 |
| DD1132E630 | 500 | 5500 | 7200 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 528 Kg | 2 |
| DD1232E500 | 500 | 6000 | 7700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 538 Kg | 2 |
| DD1232E630 | 500 | 6000 | 7700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 562 Kg | 2 |

| | | | | | ı | HD210 Exte | rnal/Interna | al Demand [| Duo | | | | | |
|--------------|-----|------|------|-----|-----|------------|--------------|-------------|-----|-----|-----|------|------------|--------------|
| Model | Α | В | С | Е | F | G | Н | - 1 | J | K | L | М | Dry Weight | No. Of Tanks |
| DD2 210 250 | 500 | 1000 | 1850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 160 Kg | 1 |
| DD2 210 315 | 500 | 1000 | 1850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 172 Kg | 1 |
| DD3 210 250 | 500 | 1500 | 2350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 205 Kg | 1 |
| DD3 210 315 | 500 | 1500 | 2350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 217 Kg | 1 |
| DD4 210 250 | 500 | 2000 | 2850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 250 Kg | 1 |
| DD4 210 315 | 500 | 2000 | 2850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 262 Kg | 1 |
| DD5 210 250 | 500 | 2500 | 3350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 295 Kg | 1 |
| DD5 210 315 | 500 | 2500 | 3350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 307 Kg | 1 |
| DD6 210 250 | 500 | 3000 | 3850 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 340 Kg | 1 |
| DD6 210 315 | 500 | 3000 | 3850 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 352 Kg | 1 |
| DD7 210 250 | 500 | 3500 | 4350 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 385 Kg | 1 |
| DD7 210 315 | 500 | 3500 | 4350 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 397 Kg | 1 |
| DD8 210 500 | 500 | 4000 | 5700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 490 Kg | 2 |
| DD8 210 630 | 500 | 4000 | 5700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 514 Kg | 2 |
| DD9 210 500 | 500 | 4500 | 6200 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 535 Kg | 2 |
| DD9 210 630 | 500 | 4500 | 6200 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 559 Kg | 2 |
| DD10 210 500 | 500 | 5000 | 6700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 580 Kg | 2 |
| DD10 210 630 | 500 | 5000 | 6700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 604 Kg | 2 |
| DD11210500 | 500 | 5500 | 7200 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 625 Kg | 2 |
| DD11210630 | 500 | 5500 | 7200 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 649 Kg | 2 |
| DD12 210 500 | 500 | 6000 | 7700 | 600 | 285 | 385 | 1465 | 1690 | 260 | 440 | 540 | 1500 | 670 Kg | 2 |
| DD12 210 630 | 500 | 6000 | 7700 | 600 | 285 | 385 | 1855 | 2080 | 260 | 440 | 540 | 1500 | 694 Kg | 2 |

Order Information

Ordering a Demand Duo could not be any simpler

For example a Demand Duo built to our Premium PLUS range with 3 x HD210E heaters with a 315L tank using Natural Gas would be **DDPL3210E315N**.

| Demand Duo | Demand Duo Options | Number of HD's | Model / Internal / External | Tank Size | Gas Type | Demand Duo Pro |
|-----------------|---|----------------|---|--|-----------------------|-------------------------------|
| DD (Demand Duo) | Blank (DD1 Only) (F (Demand Duo) PL (Demand Duo Plus) | HD Quantity | • 32E (HD32 ext.) • 210E (HD210 ext.) • 210i (HD210 int.) • 28E (HD28 ext.) • 28i (HD28 int.) | • 250 (250L tank) • 315 (315L tank) • 500 (2x 250L tanks) • 630 (2x 315L tanks) | • N (NG) • L (LPG) | Blank SS (Demand Duo Pro) |

Note: The Demand Duo with one heater is an integrated unit so the PLUS and PRO designs are not relevant in the order code so leave these blank

Warranty Info

| Warranty | Domestic Use | Commercial Use | | |
|----------------------------|---------------------------|--------------------------|--|--|
| Heavy Duty Continuous Flow | 12 Years (heat exchanger) | 5 Years (heat exchanger) | | |
| Storage Cylinder | 10 Years | 5 Years | | |
| Common flue | N/A | 3 Years | | |

Rinnai Australia Pty Ltd

ABN 74 005 138 769

100 Atlantic Drive, Keysborough, Victoria 3173

For further information call 1300 555 545 or visit rinnai.com.au

TOTAL HOME COMFORT







