



## Hot Water Heat Pumps

Hot water heat pumps are fast becoming a popular choice for residential water heating across New Zealand—as more Kiwis look for smarter, energy-efficient, and climate-friendly ways to power their homes. For many New Zealand households, heating water accounts for up to 30% of the electricity bill. By upgrading to a hot water heat pump, you could reduce that portion by as much as 70%\*—significantly lowering your ongoing energy costs. Recognised by both EECA (the Energy Efficiency and Conservation Authority) and Consumer NZ, hot water heat pumps are among the most cost-effective and efficient ways to heat water in the New Zealand climate. Modern systems are designed to work reliably even in cooler conditions, making them a practical solution right across Aotearoa.

### Making the Switch Easier

To support New Zealanders making the move to cleaner energy, many local banks now offer **green loans or top-up mortgage options** to help fund upgrades like heat pump water heating. Additionally, initiatives like **Warmer Kiwi Homes** may provide **co-funding** for eligible households, further reducing the upfront investment required.

### Compare Your Options

The comparison table on the next page is designed to help you compare **Rinnai Hot Water Heat Pumps**, highlighting their differences to assist you in making an informed decision for your water heating requirements. Whether you're upgrading an older cylinder or building new, it's a helpful guide to making an informed, future-proof choice for your home.

| System                               | Unit   | Enviroflo™ GR 215L                        | Enviroflo™ GR 265L                        | Enviroflo™ GR 300L                        | HydraHeat® Integrated 275L                                                | HydraHeat® Integrated 340L                                                | HydraHeat® Split                                    |
|--------------------------------------|--------|-------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------|
| Storage Capacity                     | Litres | 215                                       | 265                                       | 300                                       | 275                                                                       | 340                                                                       | Based on cylinder capacity - 180 litre to 340 litre |
| Coefficient of Performance (COP)***  | W/W    | 4.0                                       | 4.1                                       | 4.1                                       | 4.7                                                                       | 4.7                                                                       | 4.6                                                 |
| Hot Water Recovery Rate <sup>1</sup> | L/hr   | 66                                        | 66                                        | 66                                        | 89                                                                        | 89                                                                        | 86                                                  |
| Rated Heat Pump Output               | kW     | 2.0                                       | 2.75                                      | 2.75                                      | 3.72                                                                      | 3.72                                                                      | 3.6                                                 |
| Rated Heat Pump Input                | kW     | 0.5                                       | 0.68                                      | 0.68                                      | 0.80                                                                      | 0.80                                                                      | 0.80                                                |
| Element rating                       | kW     | 2.4                                       | 2.4                                       | 2.4                                       | 2.0                                                                       | 2.0                                                                       | up to 3.0                                           |
| Operating Temperature                | °C     | -7°C to 45°C                              | -7°C to 45°C                              | -7°C to 45°C                              | -10°C to 42°C                                                             | -10°C to 42°C                                                             | -10°C to 42°C                                       |
| Noise Level (Sound Pressure)         | dB(A)  | 46                                        | 46                                        | 46                                        | 45                                                                        | 45                                                                        | 48                                                  |
| Refrigerant Type / Mass (g)          |        | R290 / 355                                | R290 / 395                                | R290 / 395                                | R290 / 150 (nominal charge)                                               | R290 / 150 (nominal charge)                                               | R290 / 150 (nominal charge)                         |
| People Per Household                 |        | 2 to 4                                    | 2 to 5                                    | 2 to 6                                    | 2 to 5                                                                    | 2 to 7                                                                    | 2 to 7                                              |
| Modes of Operation                   |        | Standard, Eco, Hybrid, Electric, Vacation | Standard, Eco, Hybrid, Electric, Vacation | Standard, Eco, Hybrid, Electric, Vacation | Standard / Boost / Eco 50 / Eco 55 / High Usage / Element Only / Shutdown | Standard / Boost / Eco 50 / Eco 55 / High Usage / Element Only / Shutdown | Standard / Eco 55 / Element Only / Shutdown         |
| Detachable Heat Pump Head**          |        | X                                         | X                                         | X                                         | √                                                                         | √                                                                         | X                                                   |
| Frost Protection                     |        | √                                         | √                                         | √                                         | √                                                                         | √                                                                         | √                                                   |
| Back-up Element                      |        | √                                         | √                                         | √                                         | √                                                                         | √                                                                         | √                                                   |
| Salt Spray Tested                    |        | X                                         | X                                         | X                                         | √                                                                         | √                                                                         | √                                                   |
| Top-Down Heating                     |        | X                                         | X                                         | X                                         | √                                                                         | √                                                                         | √                                                   |
| Designed & Manufactured in NZ        |        | X                                         | X                                         | X                                         | √<br>(Heat Pump Head Unit Only)                                           | √<br>(Heat Pump Head Unit Only)                                           | √                                                   |
| Warranty                             |        | 7 years cylinder<br>3 years heat pump     | 7 years cylinder<br>3 years heat pump     | 7 years cylinder<br>3 years heat pump     | 7 years cylinder<br>5 years heat pump                                     | 7 years cylinder<br>5 years heat pump                                     | 5 years heat pump                                   |

\*When the HydraHeat® Integrated or HydraHeat® Split Hot Water Heat Pump is compared with a standard hot water cylinder in Zone 5 (Auckland). Annual energy performance estimated according to AS/NZS 4234:2008 and AS/NZS 5125:2014, medium load size.

\*\*The detachable heat pump head allows for easy servicing and ensures uninterrupted supply of hot water

**Enviroflo™ GR COP:**

\*\*\* Performance when tested to AS/NZS 5125:2014. Coefficient of Performance was measured at the following conditions: Inlet water temperature 19°C, Outlet Water temperature 55°C, Dry Bulb Temperature 19°C.

**HydraHeat® Integrated COP and Energy Saving:**

\*When a comparison calculation is made to a 250L standard electric hot water cylinder when heating water from 19°C to 55 °C.

\*\*\*Coefficient of Performance was measured at the following conditions: Inlet water temperature 19°C, Outlet Water temperature 55°C, Dry Bulb Temperature 19°C.

<sup>1</sup> Recovery rate calculated in Eco 55 mode, 19°C ambient air temperature, 19°C inlet water temperature, 36°C temperature rise