

# HydroHero

Powered by **Panasonic**.

Save your power bill with Hydro Hero



## Aqua-Man Outdoor Range



Specifications	Aqua-Man 260L	Aqua-Man 300L
Capacity (L)	260L	300L
Rated Input / Output HP (kW)	0.88kW / 3.6kW	0.88kW / 3.6kW
Rated Input / Output Electric (kW)	2kW / 2kW	2kW / 2kW
Max Current (amps)	15 amps	15 amps
Max Input power (kW)	3.6kW	3.6kW
Rated output water temp (°)	55° - 70°	55° - 70°
Power Supply (V)	220V	220V
COP at 20° (EN255-3)	4.52	4.52
COP at 7° (EN16147)	2.82	2.82
Refrigerant	R417a	R417a
Noise Level dB(A)	58	58
Air Flow (m3/h)	900 m3/h	900 m3/h
Tank Construction	Stainless Steel	Stainless Steel
Dimensions (mm)	φ650mm x 1790mm	φ650mm x 1890mm
Pressure rated / max (MPa)	3.0MPa / 4.5MPa	3.0MPa / 4.5MPa
Gross Weight (KG)	98KG	110KG
Compressor Specification	Panasonic SPS1743AA21	Panasonic SPS1743AA21
Warranty Heat pump / Cylinder	5 Years / 10 Years	5 Years / 10 Years

\*Mean temperature in Auckland 2013 15.9°



Save your power bill with Hydro Hero

## Dark-Knight Indoor Range



Specifications	Dark-Knight 260L	Dark-Knight 300L
Capacity (L)	260L	300L
Rated Input / Output HP (kW)	0.7kW / 2.8kW	0.7kW / 2.8kW
Rated Input / Output Electric (kW)	2kW / 2kW	2kW / 2kW
Max Current	15 amps	15 amps
Max Input power	2.8kW	2.8kW
Rated output water temp	55° - 70°	55° - 70°
Power Supply	220V	220V
COP at 20° (EN255-3)	4.21	4.21
COP at 7° (EN16147)	2.86	2.86
Refrigerant	R134a	R134a
Noise Level dB(A)	46	46
Air Flow (m3/h)	450 m3/h	450 m3/h
Tank Construction	Stainless Steel	Stainless Steel
Dimensions	φ650 x 1790	φ650 x 1890
Pressure rated / max	3.0MPa / 4.5MPa	3.0MPa / 4.5MPa
Gross Weight (KG's)	98KG	110KG
Compressor Specification	Panasonic SPS1743AA21	Panasonic SPS1743AA21
Warranty Heat pump / Cylinder	5 Years / 10 Years	5 Years / 10 Years

\*Mean temperature in Auckland 2013 15.9°



## 8 reasons Hydro Hero is the right choice for your home



### 1 Save your power bill

Hydro Hero's super efficient Panasonic inverter heats your hot water over three times more efficiently than an electric cylinder in an Auckland climate. Hot water makes up more than a third of the average New Zealand household electricity bill so Hydro Hero can beat back your total electricity bill by 25% or more.



### 2 Faster heating

With 80 percent more heating output than a normal 2kW cylinder, your hot water replacement speed is almost doubled. Don't dread being last to the shower with Hydro Hero backing you up. Sleep in and let the family beat you to it; Hydro Hero will have piping hot water ready and waiting even after heavy usage.



### 3 Take control

With an easy to use LED display you can customise your Hydro Hero to maximise performance and efficiency. Hydro Hero allows full control of your water temperature and can be set on a timer to suit your usage. Hydro Hero will measure the current water temperature and ambient temperature while monitoring and displaying all relevant information.



### 4 Style and convenience

Hydro Hero is an attractive indoor or outdoor option in a brushed stainless steel finish. The indoor unit is a convenient and easy replacement for any existing cylinder as a straight upgrade. The outdoor unit can be plumbed outside to reclaim cupboard space and make more room for storage.



### 5 Enjoy the pressure

Hydro Hero comes on full mains pressure so you can enjoy steaming hot water anytime. If you're upgrading from a low or medium pressure cylinder with your Hydro Hero you can expect a life changing improvement in water pressure.



### 6 Blue-Fin galvanization

Panasonic's Blue-Fin coating protects Hydro Hero. The coating is an anti-corrosive galvanizing agent applied to every unit during the manufacturing process. Blue-Fin is perfect for New Zealand's corrosive coastal conditions. It triples the life of the heat pump unit, helping your Hydro Hero go the distance.



### 7 Trust Panasonic and Energy Efficient Solutions

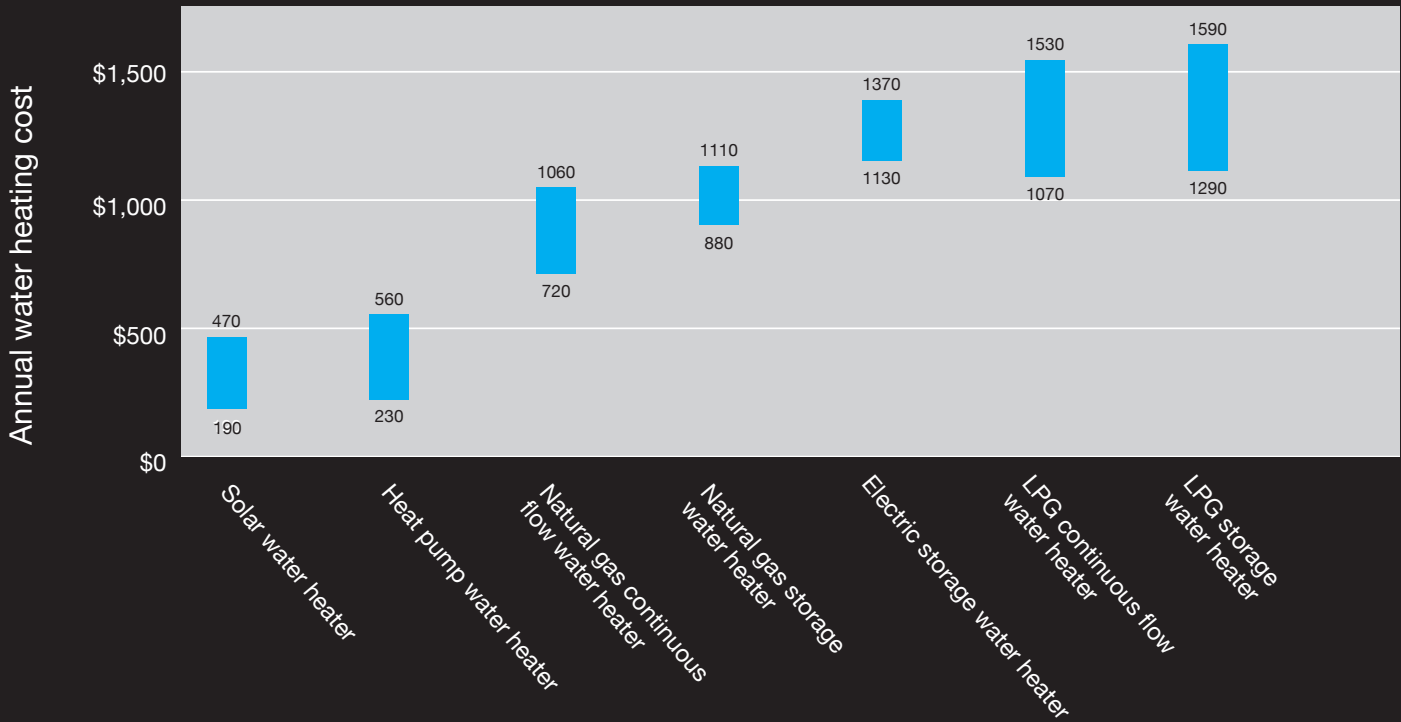
Energy Efficient Solutions is New Zealand's largest distributor of Panasonic heat pumps and Panasonic were awarded the most trusted heat pump brand for 2013. Know you are in good hands with Hydro Hero; the highest quality product installed by the best in the business.



### 8 Dual warranty

Purchase Hydro Hero with peace of mind as it is guaranteed with a dual warranty. Hydro Hero comes with a full 10-year warranty on the cylinder and 5-year warranty on the heat pump to ensure the performance of every Hero for years to come.

## Indicative running costs of water heating options – four person household



Lowest cost based on high efficiency and warm climate. highest cost based on poor efficiency and cold climate. Does not include purchase/installation and maintenance costs. Assumes one shower per person per day, shower duration 9 minutes, shower flow rate 10.6l/min. Fuel cost assumptions: 21c/kWh (controlled rate) ; natural Gas 12.3c/kWh; LPG (45kg bottle) \$102 per refill plus \$119 annual rental charge. note that fuel costs can vary greatly depending on location, retailer and plan. Calculated using the heRs hot water rating tool, documented in BRAnZ report eC1475C "AnZheRs – Upgraded hot water rating algorithms", March 2009.\* natural gas price includes a portion of fixed charges assuming a total annual gas consumption of 7000 kWh. Actual cost depends on your tariff and actual total gas consumption.

## Save your power bill with Hydro Hero



### Our mission statement:

*"Our goal is to provide affordable and energy efficient heating solutions to all New Zealand homes. We want to promote environmental responsibility while delivering comfort and energy savings to all New Zealanders."*



### Energy Efficient Solutions NZ

### The heat pump specialists

36 Olive Road Penrose, Auckland  
 f. 0800 EES 123  
 p. 09 973 5993  
 e. info@eesnz.co.nz