Performance Plus Titanium Series
Swimming Pool & Spa Heat Pumps

The **Performance Plus Titanium Series** combines advanced heat pump technology with outstanding energy efficiency to provide dependable heating for swimming pools and spas. Designed to maintain precise water temperature in all seasons, these high-performance units deliver superior comfort, lower running costs, and long-term reliability.

Engineered to perform **year-round in New Zealand conditions**, the Titanium Series features a heavy-gauge galvanised steel cabinet with a durable polyester powder-coat finish for superior corrosion resistance. Epoxy-coated aluminium evaporator fins provide additional protection in coastal environments, while rifled copper tubing enhances heat transfer efficiency.

Each unit incorporates a **proprietary titanium tube heat exchanger**, offering exceptional resistance to corrosion and long service life in pool and spa water. Thanks to high heat pump efficiency, the Titanium Series delivers outstanding performance—**typically producing up to 5kW of heat for every 1kW of electrical input**.

IDEAL APPLICATION

- Swimming pools
- Spa pools
- Hydroponic heating

PERFORMANCE PLUS FEATURES

- Built-in drain tray
- Water flow switch protection
- Titanium tube heat exchanger
- Ozone-friendly refrigerants
- Epoxy-coated, corrosion-resistant evaporator coils
- Built-in refrigeration safety controls
- Electronic reverse-cycle de-ice system
- Easy-to-use electronic controller with digital display
- TX valve for improved low-ambient performance
- Compressor with internal and external overload protection

BENEFITS

- Simple installation and operation
- Low operating costs with high efficiency
- Environmentally responsible heating
- Durable construction and long service life
- Engineered and built in New Zealand
- Automatically maintains your desired water temperature in all weather conditions

PERFORMANCE PLUS

Experience the best in heat pump water heater technology

HOT WATER HEAT PUMPS LTD
SINCE 1980

TECHNICAL SPECIFICATIONS

	8GP11-1	8GP15-1	8GP18-1	8GP18-3	8GP24i-1	8GP24i-3
kW output – pool *[1]	11	15	18	18	24	24
kW output – spa *[2]	8	9.5	11.5	11.5	17	17
kW output *[3]	13.5	17.5	20	20	10–33	10–33
Sustained running COP	6.2	6.2	6	6	5–8	5–8
kW input	2.2	2.8	3.4	3.4	4.8	4.8
Power supply	Single Phase	Single Phase	Single Phase	3 Phase + N & E	Single Phase	3 Phase + N & E
Required D – curve circuit breaker amps	25	25	25	25	40	20
Nominal compressor run amps	10.8	11.8	15.1	5.3/Phase	28	7.8/Phase
Fan full load amps	0.4	0.9	0.9	0.9	1.4	1.4
Recommended flow rate – ltr/sec	1.5	1.66	2.0	2.0	3.5	3.5
Water connections – PVC socket	40mm	40mm	40mm	40mm	50mm	50mm
Dimensions LxWxH – mm	950x355x1025	1070x440x1180	1070x440x1180	1070x440x1180	1130x425x1380	1130x425x1380
Weight – kg	110	120	130	130	147	147
Sound pressure level, high dB(A) *[4]	53/56	53/56	53/56	53/56	53/56	53/56
Pool Sizing: Coastal North Island *[5]	50m²	65m²	80m²	80m²	110m²	110m²
Pool Sizing: Central Nth Island/Sth Island	55m²	60m²	70m²	70m²	95m²	95m²

Note: Designs and specifications are subject to change without notice.

*[1] kW output values are nominal ratings based on 18°C wet bulb and 28°C water temperature.

*[2] kW output values are nominal ratings based on 8°C wet bulb and 38°C water temperature.

*[3] Condition, 26°C water and 26°C air.

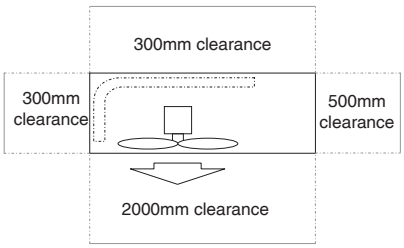
*[4] Sound pressure measured at 3m in decibels re 20 µPa.

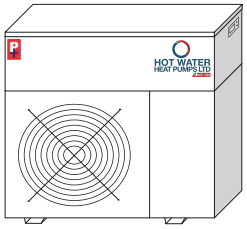
*[5] Extended season, New Zealand, mid-October to mid-April. Residential pool: covered when not in use (up to 4 hours/day uncovered). Inground pool: 28 degree water temperature.

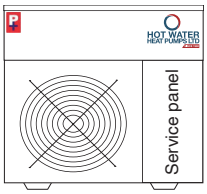
WHY BUY FROM HOT WATER HEAT PUMPS

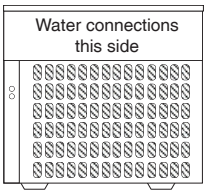
Enjoy reliable after-sales support with free phone and email assistance for the life of your product. Residential heat pump pool heaters include a **comprehensive 2-year labour and 3-year parts warranty** covering major components, plus a **30-year corrosion warranty on the titanium heat exchanger tube**. Built-in safety systems—including a flow switch and refrigeration protections—automatically such the unit down if a fault is detected. Recognised by the Energy Efficiency and Conservation Authority (EECA) as one of the most energy efficient heating technologies in New Zealand, heat pumps use renewable heat from the air and can reduce CO_2 emissions by **up to 70% compared with gas or diesel systems**.

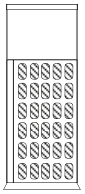
INSTALLATION INSTRUCTIONS











***Note**: 8G R32 Series heat pumps and chillers are not suitable for indoor/plant room installations without air quality monitoring and ventilation due to mild flammability.*