



Pool & Spa Heating Guide



**Premium &
Residential**

June 2023



Residential

Residential Pool Heater Models 200 to 430

The Rheem range of Raypak® residential pool and spa heaters are capable of heating the biggest or smallest of pools and spas, extending your swimming time and enjoyment.

- Robust powdercoated all-metal construction
- Reliable & trustworthy performance
- Cupro-nickel heat exchanger for greater protection against corrosion
- Polymer headers for longer life
- Our heater allows you to operate two motorised actuator valves (pool to spa changeover) and also has a pump run on timer, which protects the heat exchanger in the cool-down mode
- Energy-saving 'hot surface ignition'
- Integration capabilities with other pool & spa control equipment
- Manufactured in Australia by Rheem
- Remote control connection available as an option
- Suitable for either indoor or outdoor installations (Outdoor hood supplied standard with heater)
- Service code diagnostics
- Child-lock function



Residential Pool Heater Model 200



Residential Pool Heater Model 430

Spa Heater Model Spartan 131

The Spartan 131 spa heater is a purpose-built spa heater. It is capable of heating almost any spa on demand.

- Digital thermostat display
- Integration capabilities with other pool & spa control equipment
- Energy-saving 'hot surface ignition'
- Polymer headers for longer life
- Remote control available as an option
- Service code diagnostics
- Child-lock function
- Suitable for outdoor installations only
- Natural Gas only



Spa Heater Model Spartan 131

A swimmer in a pool, viewed from below, with the word "Premium" overlaid in large white text.

Premium

Premium Pool Heater Models 280 & 430

There are some pool & spa heating applications that call for a more rugged heater that will meet the toughest of operating conditions & environments. The Rheem range of Raypak® Premium pool & spa gas heaters are built for these conditions and suitable for small to medium commercial installations.

- Robust powdercoated all-metal construction
- Reliable & trustworthy performance
- Cupro-nickel heat exchanger for greater protection against corrosion
- All-bronze headers for greater temperature tolerance & corrosion protection
- Stainless steel constructed base
- Stainless steel combustion support structure
- Powdercoated heavy gauge metal casing to withstand the harshest operating conditions
- Our heater allows you to operate two motorised actuator valves (pool to spa changeover) and also has a pump run on timer, which protects the heat exchanger in the cool-down mode
- Energy-saving 'hot surface ignition'
- Integration capabilities with other pool & spa control equipment
- Manufactured in Australia by Rheem
- Remote control connection available as an option
- Suitable for either indoor or outdoor installations (Outdoor hood supplied standard with heater)
- Service code diagnostics
- Child-lock function



Premium 280



Premium 430

Selecting the right size Raypak® heater for your pool or spa requirements

Look for a minimum of 14°C rise

Model		Temperature Rise per Hour (Spa)				Temperature Rise over 24 Hours (Pool)				
		Spa Volume (Litres)				Pool Surface Area (m2)				
		2000	3000	4000	5000	20	40	60	80	100
131 Spartan	Outdoors only	10°	6°	5°	4°					
200 Residential	Indoors & Outdoors	17°	12°	9°	7°	21°	15°	10°	8°	6°
280 Residential or Premium	Indoors & Outdoors	25°	17°	12°	10°	26°	20°	14°	10°	8°
350 Residential	Indoors & Outdoors	32°	21°	16°	12°	32°	25°	18°	13°	10°
430 Residential or Premium	Indoors & Outdoors	38°	26°	19°	15°	34°	27°	20°	15°	12°

Specifications

Model	Nominal Rating				Approximate Dimensions				Connections		Indoor Installations	
	Natural Gas		Propane Gas		All Models				Gas	Water		
	Input MJ/h	Output kW	Input MJ/h	Output kW	Height mm	Width mm	Depth mm	Weight kgs	mm	mm	Flue Diameter mm	Height Overall mm
131 Spartan	120	24	n/a	n/a	860	440	650	35	20	40	NA	NA
200 Residential	196	44	185	41	1580	530	650	70	20	50	175	1550
280 Residential or Premium	278	62	261	58	1085	640	650	75	8°	50	200	1550
350 Residential	343	76	323	72	1085	730	650	85	10°	50	225	1605
430 Residential or Premium	420	94	369	88	1085	870	650	90	12°	50	250	1605

RAYPAK® ACCESSORIES

Remote Controller

The Raypak® pool & spa heater remote controller can be either surface or flush mounted indoor or outdoors. By installing the remote control inside your house you do not have to go outside to operate your heater or check the water temperature. Easy to use push button controls make adjustments of temperature simple and allows for separate temperature settings for your pool & spa. The remote controller (part number #56PE5005) requires and is available with either 20m (part number #56CAB20) or 50m (part number #56CAB50) cable lengths.



Flow Switch Kits

A Raypak® flow switch is required when the location of the heater is either 1.0 metre higher or lower than the pool water surface. The pressure switch supplied with the pool heater may not operate correctly under these conditions. The flow switch is also an ideal secondary safety system that can be installed to protect your pool heater. Part number #56PE5005



Dilution Fans

Dilution Fans (also referred to as Power Flues) are sometimes required for indoor or outdoor installations where there is no natural way of controlling venting of flue gas to a safe location or where there are high wind speeds or highly variable air pressures. The Raypak® dilution fan can provide an option when the normal flueing of the heater is not achievable or may be visually obtrusive. Fan model adaptors vary, depending on pool heater model.



Indoor Hood Kits

All Raypak® pool & spa heaters are built standard for outdoor installation. If the installation however is indoors, such as in a plant room, an indoor flue kit is available as an option to convert the standard outdoor model to be suitable for indoor operation. Heaters installed indoors must never operate in the standard outdoor configuration.



High Wind Top Kits

In some areas where high winds are frequently experienced it may be necessary to install a Raypak® High Wind Top. Installation of the High Wind Top will assist proper draw through the heater and improve operation. High Wind Tops are available for all models except the Spartan 131.



Warranty	Parts	Labour
Residential Pool & Spa Heaters installed for use in a single-family dwelling.	3 Years	1 Year
Residential Pool & Spa Heaters installed for use in a multiple family dwelling or commercial type installation.	6 Months	6 Months
Premium Pool & Spa Heaters installed in all pool & spa heating applications.	3 Years	1 Year
Spartan (in domestic situation)	3 Years	1 Year
Spartan (in commercial situation)	6 months	6 months
Accessories.	1 Year	1 Year



Install a Rheem®

Rheem New Zealand Limited

475 Rosebank Road, Avondale 1026, PO Box 19011, Avondale, Auckland 1746.

Freephone 0800 657 336 – www.rheem.co.nz

All specifications contained in this brochure are subject to change without notice. Please check the specifications are current at the time of ordering. All information is current at the time of publication (June 2023). Raypak® is a registered trademark of Raypak Australia Ltd.