



The Plumbing Shop **for Professionals**

POOL CATALOGUE

Pool Heating


TABLE OF CONTENTS - click on the item or page number required to go directly to it

Fittings - Black Pressure Fittings	6.1
Flashing - Black, Red & Dektite's	6.2
Foot Valves	6.1
Gas Heaters - Residential Pool & Spa Heaters	6.3
- Premium (Commercial) Heaters, Accessories	6.4
Heating - Residential Gas Heaters	6.3
- Premium (Commercial) Gas Heaters & Accessories	6.4
- Electric Heat Pump	6.6
- Solar Heat pump	6.7 - 6.8
Pipe - Black PVC Pressure Pipe	6.1
Solar Pool Heating - Pipe, Fittings, Vacuum Relief, Rubber, Controller	6.1




POOL HEATING

BLACK PRESSURE PIPE AND FITTINGS FOR SOLAR POOL HEATING

	PART No	NAME	SIZE	CTN
	BPF005	6 Metre Class 12 Black	40mm	200
	BPF010	3 Metre Class 12 Black	40mm	200
	BPF015	Black Cap	40mm	300
	BPF020	Black Socket	40mm	300
	BPF025	Black 45 Degree Elbow	40mm	200
	BPF030	Black 90 Degree Elbow	40mm	200
	BPF035	Black Tee	40mm	140
	BPF137	Black Barrel Union ABS	40mm	-

VACUUM RELIEF




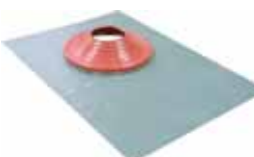
	PART No	NAME	SIZE	BAG
 <p>POL335</p>	BPF100	PVC Black Foot Valve	20/25/32 BSP	10
	POL335	Philmac Foot Valve Plastic Basket	20mm	10
	POL360	Philmac Non Return Valve	20mm	10
	PPA270	Stainless Steel Strainer	20mm	1

ACCESSORIES

	PART No	NAME		
	BPF125	Solar Controller		
	BPF150	Solar Rubber - 8 Tube Collector x 150m		
	BPF155	Tile Roof Straps		
	AFC001	Max Seal Silicone		
	BPF118	4 into 1 Poly Manifold		
	BPF120	6mm Plastic Barb - Small		
	BPF122	6mm Plastic Barb - Large		
	BPF115	6mm Grommit		

SOLAR ACCESSORIES

FLASHING

	PART No	NAME	SIZE
	GRD460	No.1 Black Flashing	3mm-50mm
	GRD465	No.2 Black Flashing	10mm-70mm
	GRD470	No.3 Black Flashing	40mm-90mm
	GRD475	No.4 Black Flashing	75mm-135mm
	GRD480	No.5 Black Flashing	125mm-180mm
	GRD485	No.6 Black Flashing	145mm-230mm
	GRD490	No.7 Black Flashing	195mm-250mm
	GRD495	No.8 Black Flashing	275mm-355mm
	GRD497	No.9 Black Flashing	315mm-450mm
	GRD499	No.1 Red Flashing	3mm-50mm
	GRD500	No.2 Red Flashing	10mm-70mm
	GRD505	No.3 Red Flashing	40mm-90mm
	GRD510	No.4 Red Flashing	75mm-135mm
	GRD515	No.5 Red Flashing	125mm-180mm
	GRD520	No.6 Red Flashing	145mm-230mm
	GRD525	No.7 Red Flashing	195mm-250mm
	GRD530	No.8 Red Flashing	275mm-355mm
	GRD532	No.9 Red Flashing	315mm-450mm
	GRD535	No.1 Lead Dektite Black	5mm-40mm
	GRD542	No.2 Lead Dektite Black	50mm-90mm
	GRD545	No.3 Lead Dektite Black	100mm-150mm
	GRD555	No.7 Lead Dektite Black	150mm-300mm
	GRD540	No.1 Lead Dektite Red	5mm-40mm
	GRD543	No.2 Lead Dektite Red	50mm-90mm
	GRD550	No.3 Lead Dektite Red	100mm-150mm
	GRD560	No.7 Lead Dektite Red	150mm-300mm

RAYPAK POOL & SPA HEATERS

GAS HEATERS - RESIDENTIAL

	PART No	NAME		
--	---------	------	--	--



RPK020	200 Residential Gas Heater
RPK030	280 Residential Gas Heater
RPK035	350 Residential Gas Heater
RPK040	430 Residential Gas Heater

* Specify indoor/outdoor, Natural Gas/Propane

Raypak's Residential Gas Heater range features:

- Cupro-nickel heat exchanger for greater protection from corrosion
- Polymer headers for long life
- Fully programmable digital heater controller with independent settings for your pool or spa
- Automatic control of pump and motorised valves, if connected
- Easy connection to the Raypak EIB for control of landscaping features such as garden lights, pool lights and water features
- Energy saving "hot surface ignition"
- Highly corrosion resistant "ZAM" metal casing
- Australian manufacture and design excellence
- Remote control available as an option
- Suitable for either indoor or outdoor installations. Outdoor configuration is standard

	PART No	NAME		
--	---------	------	--	--




RPK010	131 Spartan Residential Spa Heater
--------	------------------------------------

The Spartan provides an extensive list of features including:

- Digital heat controller
- Easy connections to the Raypak EIB for control of landscaping features such as garden lights, pool lights and water features
- Energy saving "hot surface ignition"
- Polymer headers for longer life
- Suitable for outdoor installations only
- Remote control available as an option

RAYPAK POOL & SPA HEATERS







Gas Heaters – Premium Range

	PART No	NAME
	RPK050	127 Premium Gas Heater
	RPK055	167 Premium Gas Heater
	RPK060	280 Premium Gas Heater
	RPK065	430 Premium Gas Heater
* Specify indoor/outdoor, Natural Gas/Propane		

In addition to the features of the residential gas heating range, the products include:

- All bronze headers for even greater temperature and wear tolerance with increased corrosion protection
- Stainless steel constructed base
- Stainless steel combustion support structure
- Powder coated ZAM heavy guage metal casing to withstand the harshest operating conditions

ACCESSORIES

	PART No	NAME
 Remote Controller	RPK100	Remote Controller/Thermostat <i>Operate your pool or spa heater from inside your home</i>
 Equipment Interface Box (EIB)	RPK105	Remote Controller Cable (20m)
	RPK110	Remote Controller Cable (50m)
	RPK115	Equipment Interface Box (EIB) <i>Operate pool & garden lights, water features etc. from your heater controller or your Raypak remote</i>
 Flow Switch	RPK120	Flow switch kit – 40mm diameter
 Dilution Fan	RPK125	Flow switch kit – 50mm diameter
	RPK130	PRV – 45psi 0.6 MBTU
 High Wind Top	RPK140	Dilution Fan R6MVAHT (0.18kW)
	RPK145	Dilution Fan Adaptor Kit - <i>Specify 200, 280, 350, 430</i>
 Indoor Hood Kit	RPK150	High Wind Top Kit – <i>Specify 200, 280, 350, 430</i>
	RPK155	Indoor Hood Kit – <i>Specify 127, 167, 200, 280, 350, 430</i>

RAYPAK POOL & SPA HEATERS

Selecting the right size Raypak gas heater for your pool or spa...

Temperature Rise per Hour

Model	Spa Volume (Litres)				Pool Surface Area (m ²)							
	2000	3000	4000	5000	40	60	80	100	120	140	160	
131 Spartan Residential	10°	6°	5°	4°	0.30°	0.20°						
127 Premium	10°	6°	5°	4°	0.30°	0.20°						
167 Premium	14°	9°	7°	6°	0.50°	0.30°	0.20°					
200 Residential	17°	12°	9°	7°	0.55°	0.35°	0.25°	0.20°				
280 Residential or premium	25°	17°	12°	10°	0.85°	0.55°	0.40°	0.30°	0.25°	0.20°		
350 Residential	37°	21°	16°	12°	1.05°	0.70°	0.50°	0.40°	0.30°	0.25°	0.25°	
430 Residential or Premium	40°	26°	19°	15°	1.30°	0.85°	0.65°	0.50°	0.40°	0.35°	0.30°	

Note: Temperature rise is provided as a guide only and is based on outdoor installations and an average wind speed of 2.2km/h and depth of 1.3m. Temperature rise will be greater with indoor installations or lower with higher wind speeds.

Technical specifications:

Model	Nominal Rating				Connections	
	Natural Gas		Propane Gas		Gas	Water
	Input MJ/h	Output kW	Input MJ/h	Output kW	mm	mm
Spartan 131	120	24	120	24	20	40
127 Premium	110	25	103	23	20	40
167 Premium	164	36	154	34	20	40
200 Residential	196	44	185	41	20	50
280 Residential or premium	278	62	261	58	20	50
350 Residential	343	76	323	72	20	50
430 Residential or Premium	420	94	396	88	20	50

Approximate dimensions:

Model	Height mm		Width mm	Depth mm	Weight kgs	Flue Dia.mm
	outdoor	indoor				indoor
Spartan 131	860	n/a	410	610	35	n/a
127 Premium	895	1100	505	280	42	125
167 Premium	905	1470	365	610	67	150
200 Residential	1050	1590	465	650	70	175
280 Residential or premium	1050	1680	570	650	75	200
350 Residential	1050	1680	660	650	85	225
430 Residential or Premium	1050	1760	745	650	90	250

RAYPAK POOL & SPA HEATERS

Electric Heat Pump

	PART No	NAME		
--	---------	------	--	--



RHP33 Heat Pump

RPK080

Electric Heat Pump 33kW

The Raypak RHP33 electric heat pump is quiet, efficient and a long lasting alternative to other forms of traditional pool heating. The electric heat pump utilises the available heat in the air to provide a highly efficient method of water heating for your pool and spa.

Features include:

- Exclusive Durasteel cabinet – Polyester coated steel cabinet
- Scroll Compressor – The largest high efficiency single phase Scroll compressor available today
- Larger 722 Alloy Heat Exchanger – A large surface area heat exchanger maximising heat transfer and subsequent pool water temperature rise
- Larger Coated Air Coils – Larger fins maximise heating at lower temperatures. Unique fin coating minimises corrosion attack, even in salt air
- Electronic Controls – Accurately monitors your pools water temperature settings
- Built-in Bypass – Automatically compensates for normal day-to-day changes in your pools hydraulics, maximising heat transfer efficiency
- Back Flow Check Valves – Reduce the possibility of damage from chlorinating devices.
- Exclusive Refrigerant Receiver Tank – Allows larger refrigerant charge and provides more efficient heating at lower air temperatures without additional compressor stress
- Corrosion Indication System – Exclusive corrosion early warning system, monitoring the water quality for damaging and costly corrosive water

Raypak Warranty:

	Parts	Labour
Residential Pool & Spa Heaters...		
Installed for use in a single-family dwelling	3 year	1 year
Residential Pool & Spa Heaters...		
Installed for use in a multi-family dwelling or commercial type installation	6 month	6 month
Premium Pool & Spa Heaters...		
Installed in all pool and spa heating applications	3 year	1 year
Heat Pump...		
Installed in all pool and spa heating applications	5 year limited warranty	1 year
Accessories...		
	1 year	0

HEATING

QUANTUM HEAT PUMP

PART No	NAME
---------	------



27ACP1-407C

Solar Heat Pump Pool Heater

Features & Benefits for 27ACP1-407C:

- Saves up to 75% of pool heating costs
- Works in all weather – extracting solar energy from the air (ambient temp from -10oC to +20oC)
- Supplies continuous Solar pool heating
- Advanced digital controller monitors performance
- Rotary compressor for quiet, economical operation

Solar Heat Pump Water Heater : 27ACP1-407C

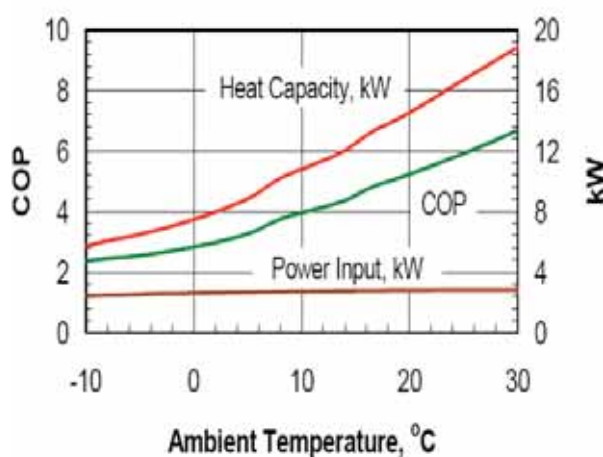
Technical Data

Model	27ACP1-407C
Maximum Water Temperature (°C)	40
Compressor	2.7 kW Rotary
Dimensions (mm)	
Height (mm)	1230
Depth (mm)	485
Width (mm)	1305
Sound Level dBa @ 1.5 metre	65
Weight (Kg)	200
Inlet / Outlet Connections	DN40 Steel or CPVC
Optimum Flow (LPM)	35 - 50
Condenser Pressure Drop @ 50 LPM (kPa)	76
Electrical Connection	
Voltage / Hz / Phase	220-240 V / 50 Hz / 1 Ph
Supply Circuit Breaker Amps	25
Maximum Amps	20
Typical Operating Amps	15
Ambient Temperature Range (°C)	-10 to +40
Refrigerant	R407C
Temperature Rise (°C)	4 to 6

Specifications Subject To Change Without Notice

Performance rated @ 63% RH & 26.7°C entering water

Performance of 27ACP1-407C



HEATING

QUANTUM HEAT PUMP

PART No	NAME
---------	------

Solar Heat Pump Pool Heater



112ACP1-407C

Features & Benefits for 112ACP1-407C:

- Saves up to 75% of pool heating costs
- Works in all weather – extracting solar energy from the air (ambient temp from -10oC to +20oC)
- Supplies continuous Solar pool heating
- Advanced digital controller monitors performance
- Scroll compressor for quiet, economical operation

Solar Heat Pump Pool Heater : 112ACP1-407C

Technical Data

Model	112ACP1-407C
Maximum Pool Water Temperature (°C)	40
Compressor	11.2 kW Scroll
Dimensions (mm)	
Height (mm)	2250
Depth (mm)	1660
Width (mm)	1210
Sound Level dBa @ 1.5 metre	79
Weight (Kg)	650
Inlet / Outlet Connections	DN40 Steel or CPVC
Optimum Flow (LPM)	100 -200
Condenser Pressure Drop @ 150 LPM (kPa)	125
Electrical Connection	
Voltage / Hz / Phase	380-420 V / 50 Hz / 3 Ph
Supply Circuit Breaker Amps	32
Maximum Amps	25
Typical Operating Amps	22
Ambient Temperature Range (°C)	-10 to +40
Refrigerant	R407C
Temperature Rise Across Heat Exchanger (°C)	4 to 6

Specifications Subject To Change Without Notice

Performance rated @ 63% RH & 26.7°C entering water

Performance of 112ACP1-407C

