



# Pool Pump

**The Pantera pool pumps have been specifically designed to incorporate features that will provide reliable and efficient pump operation.**

**The new technology wet end design integrates a unique moulded end-shield cover and lip seal protecting the motor from water damage making this range ideal for in-ground or above ground pools.**



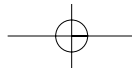
Pantera Pool Pump  
Model PPP750



Features	Benefits
<b>5 levels of corrosion resistance</b>	Standard industry practice to protect pool pump motors from water ingress is normally only on two levels, a mechanical seal and flinger shaft sleeve. With over 30 years experience selling into the pool industry, we know the more protection you give the motor, the better off you are and that's why we build five levels of motor protection into the Pantera range of pool pumps.
<b>Elevated motor foot</b>	Incorporating an elevated mount into the pump design keeps moisture well away from the motor.
<b>Stainless steel motor shaft</b>	Extends the life of the pump shaft by utilising corrosion resistant stainless steel.
<b>Extra large hair and lint pot with see through lid</b>	The hair and lint pot stops large particles from blocking the pump waterways. Having a larger than average lint pot means less time cleaning. By manufacturing the lint pot with a see through lid, it only takes a few seconds to check whether or not it is full.
<b>Low friction lint pot O-ring</b>	Having a low friction O-ring on the lint pot means you only need to tighten the lid by hand. No tools are necessary and because you only tighten by hand, removing the lid is also a simple task.
<b>Self align barrel unions</b>	Onga's unique 5 degree self-aligning barrel unions make pipe work connection a breeze.
<b>Electrical approvals</b>	Rest easy knowing your Pantera pool pump has passed all stringent Australian Standards AS/NZS 3136:2001 for safety and is approved for installation within the wetted zone of the pool area. Approvals V00423, V02301, V02302.

**Pentair Water  
Australia**  
Freecall 1800 664 266  
Web: onga.com.au

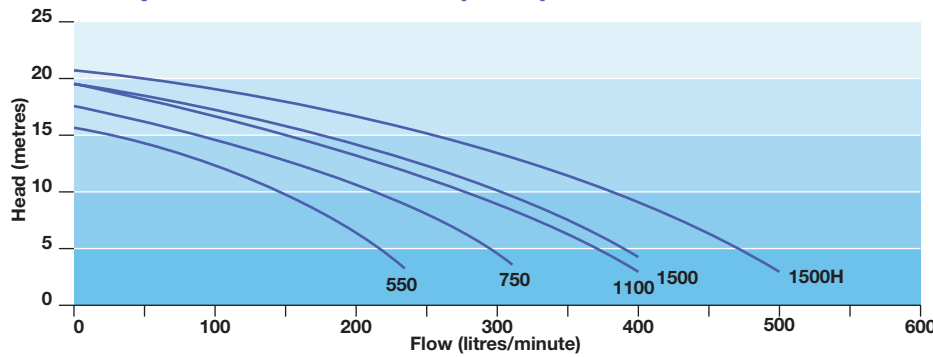
**Pentair Water  
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# Pantera Pool Pump



## Pump Performance Table (50Hz)



**Disclaimers** Every endeavour has been made to publish the correct details in this leaflet. No responsibility will be taken for errors, omissions or changes in product specifications. All performance data taken at sea level.

## Operating Conditions

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

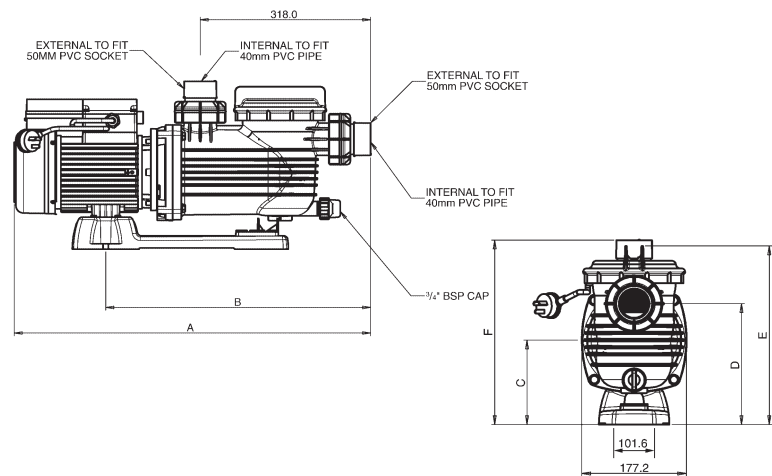
<b>Fluid:</b>	Water
<b>Maximum working pressure:</b>	295 kPa
<b>Water temperature range:</b>	5°C-70°C
<b>Ambient temperature:</b>	55°C maximum

## Motor

<b>Type:</b>	TEFC 2 pole continuously rotated
<b>Nominal speed:</b>	2900 rpm
<b>IP rating:</b>	IP55
<b>Insulation class:</b>	Class F
<b>Thermal overload:</b>	Inbuilt auto reset
<b>Temperature rise:</b>	Class B
<b>Frequency:</b>	50Hz*
<b>Voltage:</b>	230-240*
<b>Bearing type:</b>	Deep groove ball bearing with double contact lip seal
<b>Bearing temperature rating:</b>	150°C

\* Some models also available in 110v and 60Hz, check your local Onga office for price and availability.

## Line Drawings



## Materials

Component	Material
<b>Pump casing:</b>	20% Glass filled ABS
<b>Impeller:</b>	
<b>PPP550</b>	20% Glass filled polycarbonate
<b>PPP750-1500H</b>	20% Glass filled ABS
<b>Baffle:</b>	20% Glass filled ABS
<b>Diffuser:</b>	20% Glass filled ABS
<b>Yoke:</b>	20% Glass filled ABS
<b>Drain cap:</b>	Polypropylene
<b>Shaft sleeve:</b>	Nylon
<b>Motor shaft:</b>	400 series stainless steel
<b>End shield:</b>	Powder coated cast iron
<b>Hair and lint pot O-ring:</b>	Low friction nitrile
<b>Casing O-ring:</b>	Nitrile
<b>Barrel union O-ring:</b>	Nitrile
<b>Barrel union:</b>	ABS
<b>Hair and lint pot lid:</b>	Polycarbonate

<b>Mechanical seal, 3/4" type 6 (PPP550 1/2"):</b>	
<b>Flexible bellows:</b>	Nitrile
<b>Stationary face:</b>	Ceramic
<b>Rotating face:</b>	Carbon
<b>Spring:</b>	18-8 stainless steel

## Dimension Table

Pump Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
<b>PPP550</b>	630	487	121	185	288	290
<b>PPP750</b>	630	487	121	185	288	290
<b>PPP1100</b>	630	495	144	185	288	290
<b>PPP1500</b>	630	495	144	185	288	290
<b>PPP1503</b>	630	495	144	185	288	290
<b>PPP1500H</b>	630	495	144	185	288	314

Note: Dimension 'E' an additional 160mm clearance height required above the pump to remove strainer basket for maintenance and cleaning purposes.

Unless otherwise specified, all dimensions in mm.

Fixing holes accept 8mm fasteners.

## Model Data

Pump Model	Motor Kw (hp)	Supply Voltage	Phase	Full Load Current(A)	Locked Rotor Current(A)	Capacitor mfd	dB(A)*	Supply Cord Length(m)	Net Weight (kg)	Packed Weight (kg)	Carton Dimensions L x W x H (mm)
<b>PPP550</b>	0.55 (3/4)	240	1	2.5	8.5	10	62	2	10.5	13	610 x 190 x 325
<b>PPP750</b>	0.75 (1)	240	1	4.3	16	20	66	2	10.5	13	610 x 190 x 325
<b>PPP1100</b>	1.0 (1 1/4)	240	1	5.4	24	22	65	2	10.5	14	610 x 190 x 325
<b>PPP1500</b>	1.2 (1 1/2)	240	1	6.2	24	22	66	2	10.5	14	610 x 190 x 325
<b>PPP1503</b>	1.2 (1 1/2)	415	3	2.6	13	-	65	-	16.5	18	610 x 190 x 325
<b>PPP1500H</b>	1.5 (2)	240	1	8.2	38	40	68	2	16.5	18	670 x 225 x 325

\* dB(A) @ 1 metre



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**Europe**  
**Asia**

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