



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.



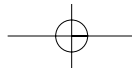
Pantera Pool Pump
Model PPP750



Features	Benefits
5 levels of corrosion resistance	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.
Elevated motor foot	Incorporating an elevated mount into the pump design keeps moisture well away from the motor.
Stainless steel motor shaft	Extends the life of the pump shaft by utilising corrosion resistant stainless steel.
Extra large hair and lint pot with see through lid	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.
Low friction lint pot O-ring	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.
Self align barrel unions	Onga's unique 5 degree self-aligning barrel unions make pipe work connection a breeze.
Electrical approvals	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

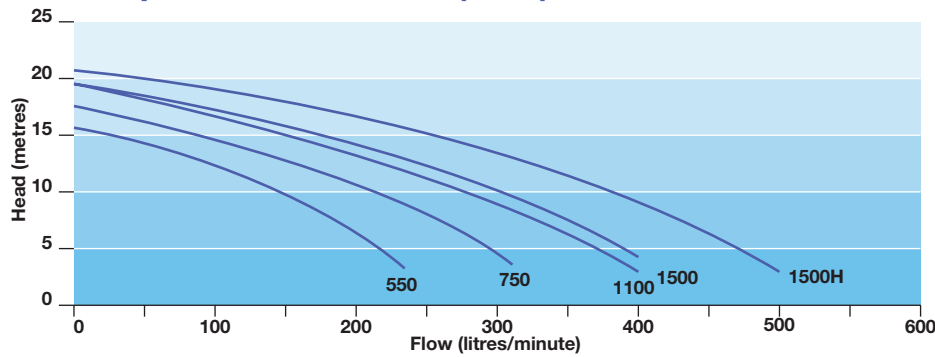
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Pantera Pool Pump



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.

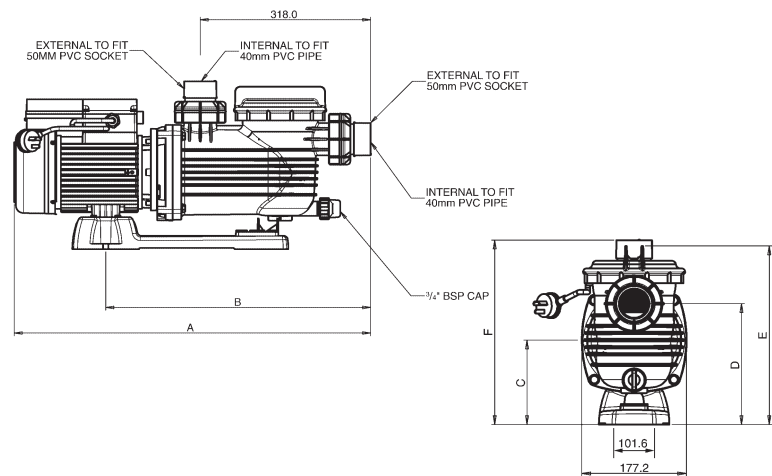
Fluid:	Water
Maximum working pressure:	295 kPa
Water temperature range:	5°C-70°C
Ambient temperature:	55°C maximum

Motor

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

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

Line Drawings



Materials

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

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

Dimension Table

Pump Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
PPP550	630	487	121	185	288	290
PPP750	630	487	121	185	288	290
PPP1100	630	495	144	185	288	290
PPP1500	630	495	144	185	288	290
PPP1503	630	495	144	185	288	290
PPP1500H	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)
PPP550	0.55 (3/4)	240	1	2.5	8.5	10	62	2	10.5	13	610 x 190 x 325
PPP750	0.75 (1)	240	1	4.3	16	20	66	2	10.5	13	610 x 190 x 325
PPP1100	1.0 (1 1/4)	240	1	5.4	24	22	65	2	10.5	14	610 x 190 x 325
PPP1500	1.2 (1 1/2)	240	1	6.2	24	22	66	2	10.5	14	610 x 190 x 325
PPP1503	1.2 (1 1/2)	415	3	2.6	13	-	65	-	16.5	18	610 x 190 x 325
PPP1500H	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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