



# PANTERA<sup>TM</sup>

## POOL PUMP

Reliability and Efficiency of another level



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Extra large hair and lint pot with see through lid

Self lubricating lint pot O-ring

Elevated motor foot

Stainless steel motor shaft

Self aligning barrel unions

Corrosion proof plastic yoke and rubber lip seal

### 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

A 5/8" 316 Stainless Steel shaft extends the life of the pump shaft by utilising corrosion resistant stainless steel.

#### Shaft Sleeve

A nylon shaft sleeve incorporating a flinger, adds additional water ingress protection whilst providing double insulation to the water circuit.

#### Mechanical Seal

A heavy-duty 3/4" 316 Stainless Steel mechanical seal (on all models) provides extended life and longer intervals between servicing.

#### Plastic Yoke and Lip-Seal

The new wet end design integrates a moulded end-shield cover and lip seal, protecting the motor from water damage.

#### 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 clear 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 self-lubricated 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 aligning barrel unions

Onga's unique 5 degree self-aligning barrel unions make pipework connection a breeze.

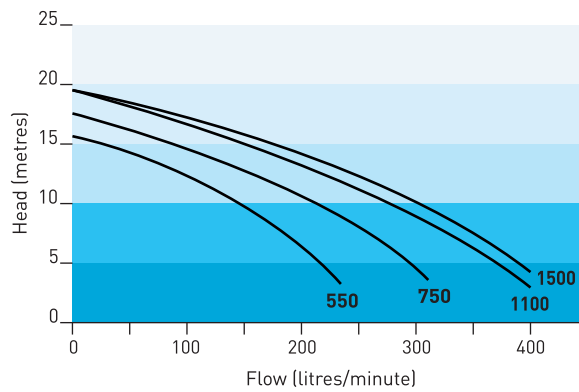
#### Electrical approvals

Rest easy knowing your Pantera pool pump has passed the Australian Standard AS/NZS 60335.2.41 for safety and is approved for installation within the wetted zone of the pool area.





## PUMP PERFORMANCE CHART



## OPERATING CONDITIONS

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

|                               |              |
|-------------------------------|--------------|
| Fluid:                        | Water        |
| Maximum working pressure:     | 295 kPa      |
| Water (Swim Pool) temp range: | 5°C-45°C     |
| Ambient temperature:          | 55°C maximum |

Pipe Fittings: Barrel unions to fit 40mm Australian Standard pipe (50mm with pipe coupling).

## MOTOR

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Type:             | TEFC 2 pole continuously rated                        |
| Nominal speed:    | 2800 rpm                                              |
| IP rating:        | IPX5                                                  |
| Insulation class: | Class F                                               |
| Thermal overload: | On-winding auto reset                                 |
| Frequency:        | 50Hz                                                  |
| Voltage:          | 230-240V                                              |
| Bearing type:     | Deep groove ball bearing with double contact lip seal |

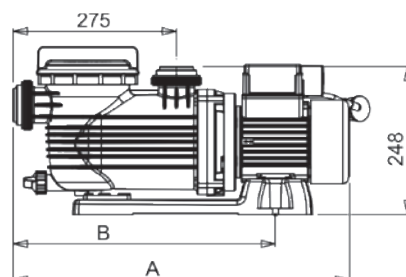
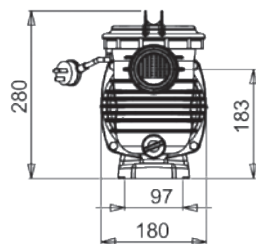
## MODEL DATA

| Pump Model  | Motor Kw Nominal | Supply Voltage | Phase | Full Load Current | Locked Rotor Current | Capacitor mfd | Sound Power Level | Supply Cord Length | Net Weight | Packed Weight | Carton Dimensions L x W x H |
|-------------|------------------|----------------|-------|-------------------|----------------------|---------------|-------------------|--------------------|------------|---------------|-----------------------------|
|             | kW(hp)           |                |       | (A)               | (A)                  |               | dB(A)*            | (m)                | (kg)       | (kg)          | (mm)                        |
| PPP-550-1P  | 0.55(1/2)        | 230-240V       | 1     | 2.9A              | 17A                  | 20            | 62                | 2                  | 12.5       | 14            | 660 x 240 x 305             |
| PPP-750-1P  | 0.75(1)          | 230-240V       | 1     | 3.9A              | 17A                  | 20            | 66                | 2                  | 12.5       | 14            | 660 x 240 x 305             |
| PPP-1100-1P | 1.0(1 1/2)       | 230-240V       | 1     | 5.0A              | 21A                  | 25            | 65                | 2                  | 13.5       | 15            | 660 x 240 x 305             |
| PPP-1500-1P | 1.2(1 1/2)       | 230-240V       | 1     | 6.1A              | 21A                  | 25            | 66                | 2                  | 13.5       | 15            | 660 x 240 x 305             |

\* dB(A) @ 1 metre

## DIMENSION TABLE

| Pump Model  | A (mm) | B (mm) |
|-------------|--------|--------|
| PPP-550-1P  | 565    | 428    |
| PPP-750-1P  | 565    | 428    |
| PPP-1100-1P | 602    | 465    |
| PPP-1500-1P | 602    | 465    |



## MATERIALS

| Component                 | Material                                             |
|---------------------------|------------------------------------------------------|
| Pump casing:              | 20% Glass filled ABS                                 |
| Impeller:                 | 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:              | 316 series stainless steel                           |
| End shield:               | Cast iron                                            |
| Hair and lint pot O-ring: | Nitrile with Teflon                                  |
| Casing O-ring:            | Nitrile                                              |
| Barrel union O-ring:      | Nitrile                                              |
| Barrel union:             | ABS                                                  |
| Hair and lint pot lid:    | Polycarbonate                                        |
| Cord/Plug:                | H07RNF 3G 1.0mm                                      |
| Mechanical seal:          | 3/4" Carbon Ceramic, Nitrile Bellows, 316 SS Spring. |



# PANTERA™

## POOL PUMP



### AVAILABLE FROM:

#### Head Office

Pentair AU/NZ: 1-21 Monash Drive,  
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