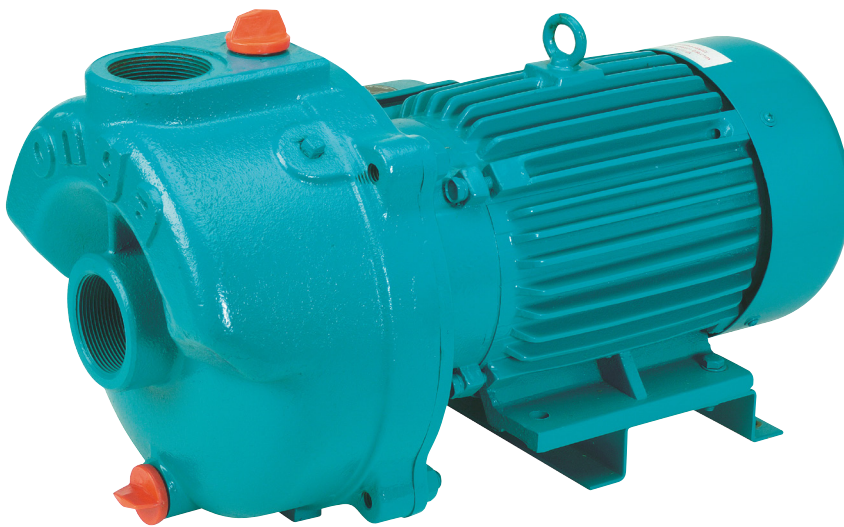


ONGA®

18 SERIES

CAST IRON WATER TRANSFER PUMP CENTRIFUGAL PUMPS



18 Series



FEATURES

Cast iron external construction for strength in the toughest conditions.

Durable moulded internal components.

Award winning high flow impeller.

Extensive range to suit most applications.

Max. head - 52m.

Max. flow - 950lpm.

APPLICATIONS

- Domestic, industrial or rural water transfer pump.
- Typical uses include wash down, tank filling and general water transfer and circulation, Irrigation and garden watering.

PUMP INFORMATION

Horizontal, single-stage, surface mounted centrifugal pump with closed impeller for pumping debris free water coupled to a cool running Totally Enclosed Fan Cooled 2 pole motor.

OPERATING CONDITIONS

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

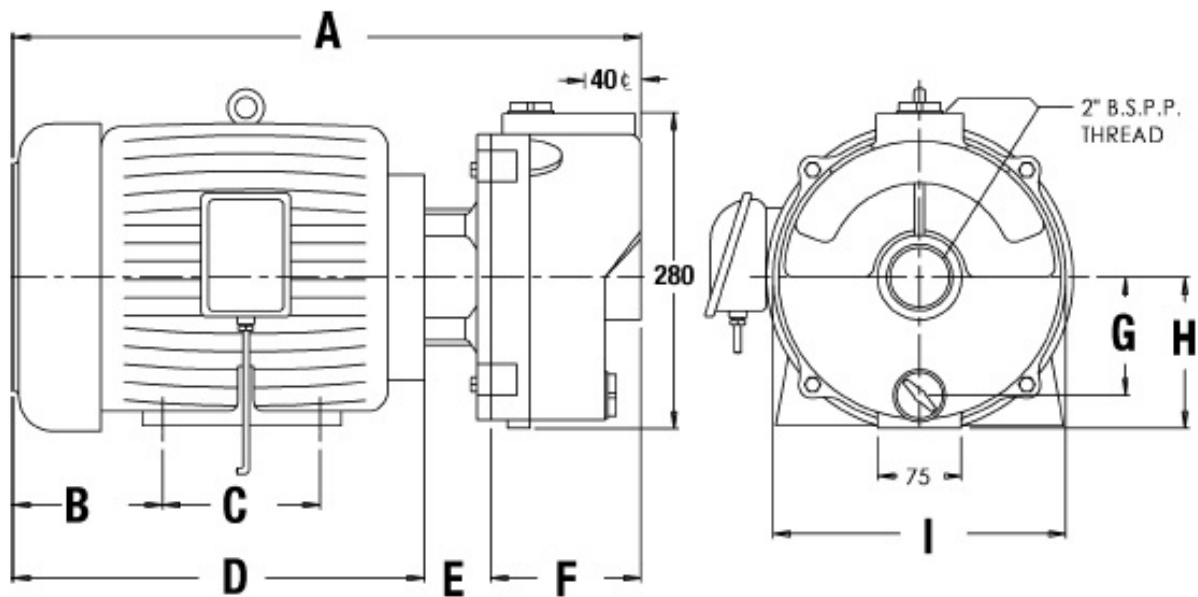
| | |
|------------------------------|---------|
| Fluid: | Water. |
| Maximum water temperature: | 70°C. |
| Minimum water temperature: | 1°C. |
| Maximum ambient temperature: | 55°C. |
| Maximum working pressure: | 780kPa. |

ELECTRICAL DATA

| Type | Type of current | Voltage ± 10% | Frequency Hz | Motor rating kW | Nominal RPM | Current Ampere | Locked rotor current | Motor protection | Insulation class | IP rating |
|------|-----------------|---------------|--------------|-----------------|-------------|----------------|----------------------|------------------|------------------|-----------|
| | | | | P2 | | | | | | |
| 182 | 1-phase | 230 | 50 | 1.5 | 2900 | 10.8 A | 38.8 A | Auto | B | IP44 |
| 182 | 3-phase | 400 | 50 | 1.5 | 2900 | 3.3 A | 23.6 A | - | B | IP44 |
| 183 | 1-phase | 230 / 460 | 50 | 2.4 | 2900 | 14 A / 7 A | 60 A / 30 A | Manual | B | IP44 |
| 183 | 3-phase | 400 | 50 | 2.4 | 2900 | 6 A | 48 A | - | B | IP44 |
| 184 | 1-phase | 230 / 460 | 50 | 3.8 | 2900 | 20.6 / 10.3 A | 50.5 A / 107 A | External | B | IP44 |
| 184 | 3-phase | 400 | 50 | 3.8 | 2900 | 7.4 A | 78 A | - | B | IP44 |
| 185 | 3-phase | 400 | 50 | 6.0 | 2900 | 10.6 A | 85 A | - | B | IP44 |
| 187 | 1-phase | 230 / 460 | 50 | 2.4 | 2900 | 14 A / 7 A | 60 A / 30 A | Manual | B | IP44 |
| 187 | 3-phase | 400 | 50 | 2.4 | 2900 | 6 A | 48 A | - | B | IP44 |

DIMENSIONS

| Type | Maximum L x W x H | Weight approx. | Inlet | Pump outlet | Carton L x W x H | Packed weight |
|-------|-------------------|----------------|-----------------|-----------------|--------------------|---------------|
| 182/1 | 443 x 260 280 mm | 32kg | 2" BSP (female) | 2" BSP (female) | 560 x 340 x 460 mm | 33kg |
| 182/3 | 450 x 260 280 mm | 39kg | 2" BSP (female) | 2" BSP (female) | 560 x 340 x 460 mm | 40kg |
| 183/1 | 495 x 260 280 mm | 49kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 66kg |
| 183/3 | 495 x 260 280 mm | 46kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 63kg |
| 184/1 | - | -kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 58kg |
| 184/3 | 485 x 260 280 mm | 47kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 64kg |
| 185/3 | 560 x 260 280 mm | 73kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 90kg |
| 187/1 | 495 x 260 280 mm | 49kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 67kg |
| 187/3 | 495 x 260 280 mm | 46kg | 2" BSP (female) | 2" BSP (female) | 680 x 470 x 460 mm | 63kg |



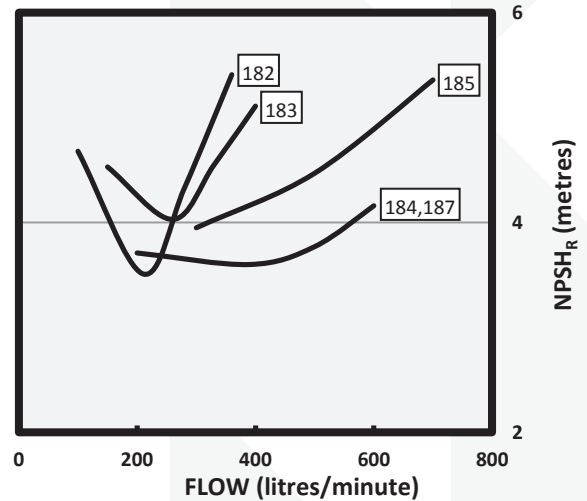
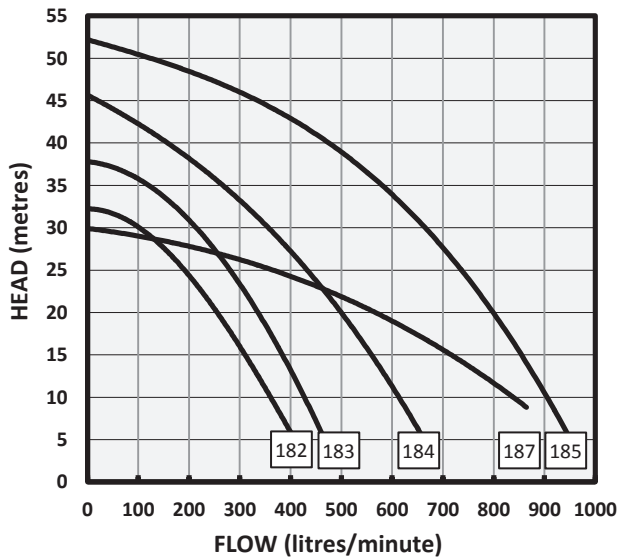
| Type | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | I (mm) |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 182/1 | 443 | 157 | - | 250 | 59 | 133 | 115 | 140 | 260 |
| 182/3 | 450 | 146 | - | 257 | 59 | 133 | 115 | 140 | 260 |
| 183/1 | 495 | 64 | 136 | 303 | 59 | 133 | 115 | 140 | 260 |
| 183/3 | 495 | 64 | 136 | 303 | 59 | 133 | 115 | 140 | 260 |
| 184/1 | - | - | - | - | - | - | - | - | - |
| 184/3 | 485 | 70 | 135 | 292 | 59 | 133 | 115 | 140 | 260 |
| 185/3 | 560 | 133 | 140 | 367 | 59 | 133 | 115 | 140 | 260 |
| 187/1 | 495 | 64 | 136 | 303 | 59 | 133 | 115 | 140 | 260 |
| 187/3 | 495 | 64 | 136 | 303 | 59 | 133 | 115 | 140 | 260 |

PERFORMANCE

| Type | P/No | Delivery head [m] | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
|------|-----------------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 182 | 318200 / 318230 | Capacity [litres per minute] | 360 | 307 | 253 | 195 | 104 | - | - | - | - |
| 183 | 318300 / 318330 | | 425 | 380 | 340 | 283 | 212 | 121 | - | - | - |
| 184 | 318400 / 318430 | | 618 | 554 | 496 | 433 | 356 | 268 | 153 | 14 | - |
| 185 | 318530 | | 904 | 852 | 791 | 739 | 663 | 580 | 471 | 337 | 118 |
| 187 | 318700 / 318730 | | 840 | 710 | 552 | 363 | - | - | - | - | - |

PERFORMANCE CURVE

NPSHR



PUMP CONSTRUCTION MATERIALS

| Component | Material |
|-----------------------|--|
| Pump casing | Cast iron |
| Baffle | 20% Glass Filled Noryl |
| Priming cap | Acetyl |
| Impeller | 182/183/187 = 20% Glass Filled Polycarbonate 184/185 = 20% Glass Filled Ultem |
| Diffuser | 182/183/187 = 20% Glass Filled Noryl 184/185 = 20% Glass Filled Ultem |
| Shaft sleeve | 182 = Nylon 183/184/187 = Stainless Steel 185 = Brass |
| Seal flexible bellows | Nitrile |
| Seal stationary face | Ceramic |
| Seal rotating face | Carbon |
| Seal spring | 304 Stainless Steel |
| Motor shaft | Mild Steel |
| O'Rings | Nitrile |



Head Office Pentair AU/NZ: 1-21 Monash Drive, Dandenong South, VIC 3175, Australia. www.pentair.com.au

All Pentair trademarks and logos are owned by Pentair, Ltd. All other brand or product names are trademarks or registered marks of their respective owners.

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

ABN 27 004 856 204 © 2012 Pentair, Ltd. All Rights Reserved.

© 2015 Pentair