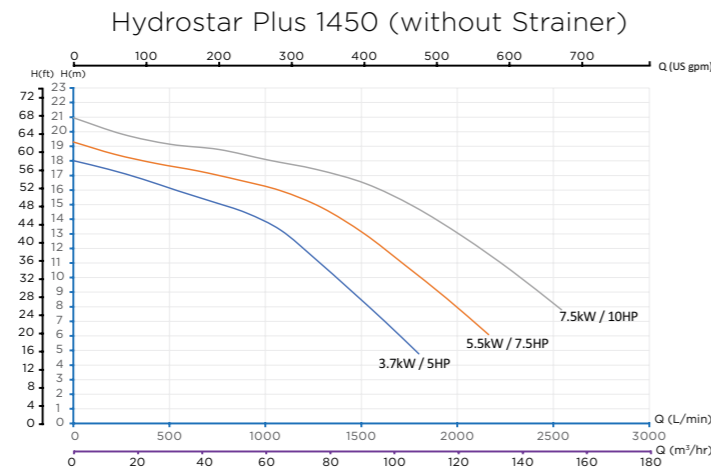
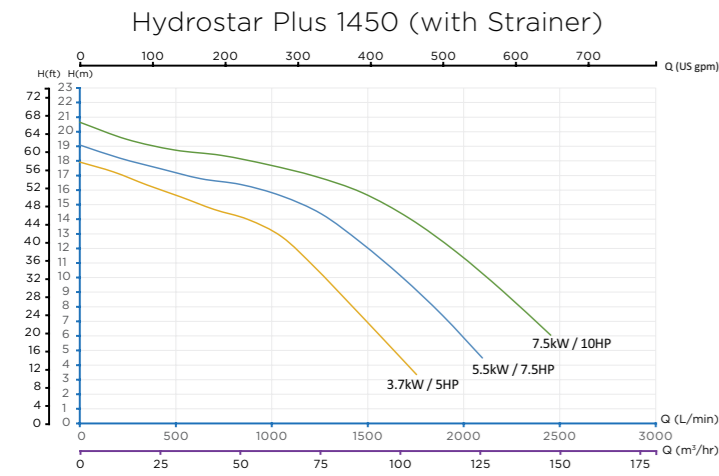
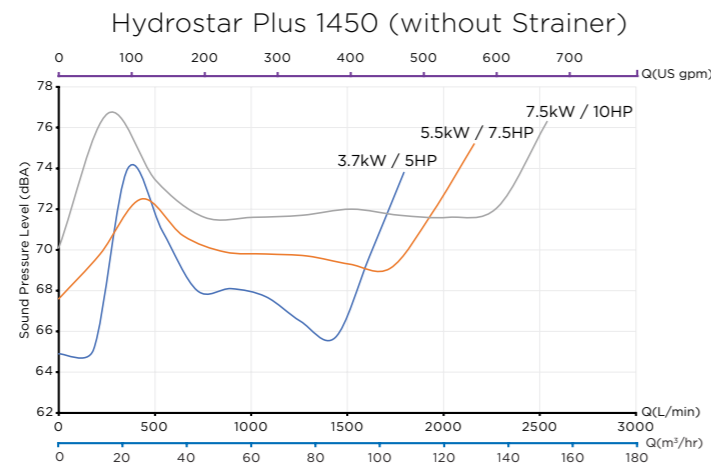
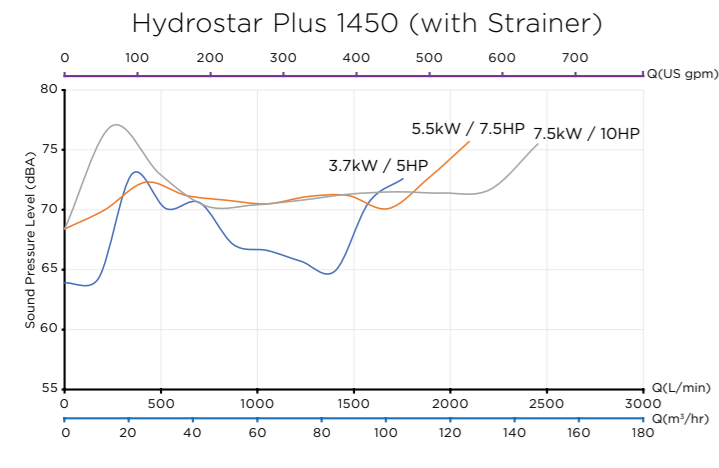


Performance Curves



Noise Level



Hydrostar Plus 1450 - Models Available

| P/N | Description | Power | Flanges | Seal Type | Strainer |
|----------|--|-------------|------------------|---------------|-------------|
| 24705004 | HYDROSTAR PLUS 1450 3.7kW | 3.7kW/5.0HP | 4" JIS / 6" ANSI | Standard Seal | Included |
| 24707504 | HYDROSTAR PLUS 1450 5.5kW | 5.5kW/7.5HP | 4" JIS / 6" ANSI | Standard Seal | Included |
| 24710004 | HYDROSTAR PLUS 1450 7.5kW | 7.5kW/10HP | 4" JIS / 6" ANSI | Standard Seal | Included |
| 2470501 | HYDROSTAR PLUS 1450 3.7kW | 3.7kW/5.0HP | - | Standard Seal | Not Include |
| 2470751 | HYDROSTAR PLUS 1450 5.5kW | 5.5kW/7.5HP | - | Standard Seal | Not Include |
| 2471001 | HYDROSTAR PLUS 1450 7.5kW | 7.5kW/10HP | - | Standard Seal | Not Include |
| 12161002 | HYDROSTAR PLUS FLANGE KITS Flange Kits | | | | |

Commercial Pumps Warranty - Commercial Applications

| Conditions | Warranty Period |
|--|-----------------|
| Wet ends | 2 years |
| Hair & lint pot lid, o'ring, basket, impeller & diffuser | 2 years |
| Motor and mechanical seal | 1 year |

Company Profile

Waterco pioneers reliable solutions for healthy, safe water environments, which are used in residential, commercial and industrial applications in over 40 countries.

Established in 1981 in Sydney, Australia, it has since become a global brand recognised for designing and manufacturing filtration and sanitisation innovations for the swimming pool, spa, aquaculture, and water purification sectors.

CONTACT WATERCO

Waterco's head office is situated in Sydney, Australia with international offices, manufacturing plants and warehouses located in Australia, New Zealand, Malaysia, Indonesia, Singapore, China, the US, Canada, and the UK.

OFFICES - AUSTRALIA

NSW - Sydney (Head Office)
Tel: +61 2 9898 8600
QLD - Brisbane
Tel: +61 7 3299 9900
VIC/TAS - Melbourne
Tel: +61 3 9764 1211
WA - Perth
Tel: +61 8 9273 1900
SA/NT - Adelaide
Tel: +61 8 8244 6000
ACT Distribution
Tel: +61 2 6280 6476

OFFICES - OVERSEAS

Waterco (Europe) Limited
Sittingbourne, Kent, UK
Tel: +44 (0) 1795 521 733
Waterco (USA) Inc
Augusta, Georgia, USA
Tel: +1 706 793 7291
Waterco Canada
Boucherville, Quebec, Canada
Tel: +1 450 748 1421
Waterco (NZ) Limited
Auckland, New Zealand
Tel: +64 9 525 7570

Waterco (C) Limited
Guangzhou, China
Tel: +86 20 3222 2180

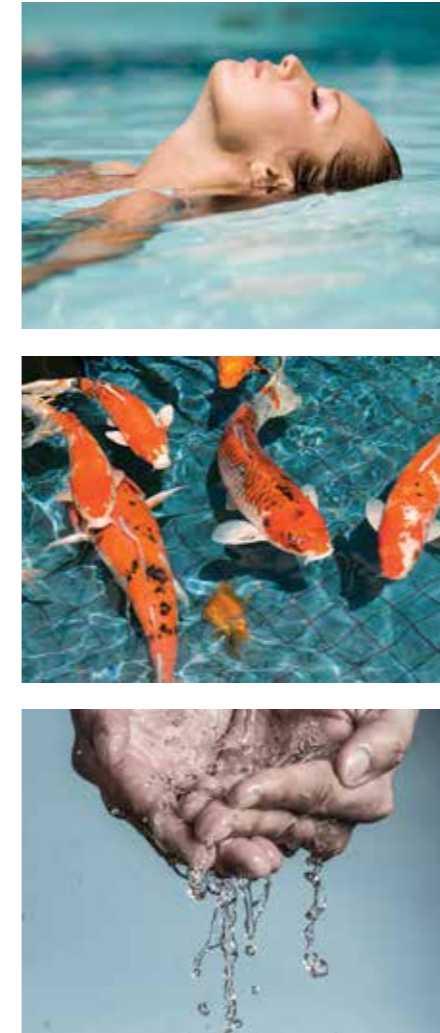
Waterco (Far East) Sdn Bhd
Selangor, Malaysia
Tel: +60 3 6145 6000
PT Waterco Indonesia
Jakarta, Indonesia
Tel: +62 21 4585 1481

Waterco Singapore Int'l Pte Ltd
Nehsons Building, Singapore
Tel: +65 6344 2378

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Commercial pumps HYDROSTAR PLUS 1450

Waterco commercial pumps incorporate the latest technology in design and construction to produce a high performance, energy-saving pump ideal for any situation that demands maximum output.

For commercial pools, aquatic parks, and seawater facilities

Waterco's pump's unique construction offers several advantages compared to steel pumps. Glass reinforced thermoplastic possesses superior mechanical and chemical resistance to steel.

The pump body does not rust or corrode and withstand damage from many types of water treatment chemicals. Waterco's thermoplastic pumps' weighs less than their steel counterparts without any sacrifice in strength and durability. Their weight makes them easier to ship to the job site and easier to install.

Hydrostar Plus 1450

Hydrostar Plus 1450 pumps are high-performance corrosion-resistant thermoplastic pumps equipped with a 6" flanged inlet port and 4" flanged outlet port. The 4 poles pump motor runs at 1450 rpm making them ideal for large volume operations in aquatic facilities, water parks and large commercial swimming pools.

The Hydrostar Plus pump's main body is constructed from an injection moulded glass reinforced thermoplastic. Its seamless one-piece consists of no welds or seams or special tank linings which can corrode or electrolyse.

Construction Materials

| Item | Material |
|--------------------|---------------------------------|
| Motor Bracket | Polypropylene + GF |
| Pump Bracket | Polypropylene + GF |
| Pump Body | Polypropylene + GF |
| Pump Body (O Ring) | NBR |
| Seal Assembly | Alumina Ceramic/SS316/Carbon(*) |
| Impeller | Noryl + GF |
| Diffuser | Polypropylene + GF |
| Lock Ring | Noryl + GF |

(*) Silicon Carbide optional

Lid

- Clear polycarbonate strainer lid
- Instant view of the strainer basket
- Lock ring with easy grip handles for easy maintenance
- Pressure relief valve

Discharge Port

- 4" JIS flange

Impeller

- CFD Designed
- Glass filled Noryl for long lasting reliability

Shaft Sleeve

- Corrosion resistance 431 stainless steel

Motor

- Heavy duty IP55 weather proofed 4 poles motor
- VSD compatible
- IE 3 Class

Basket Strainer

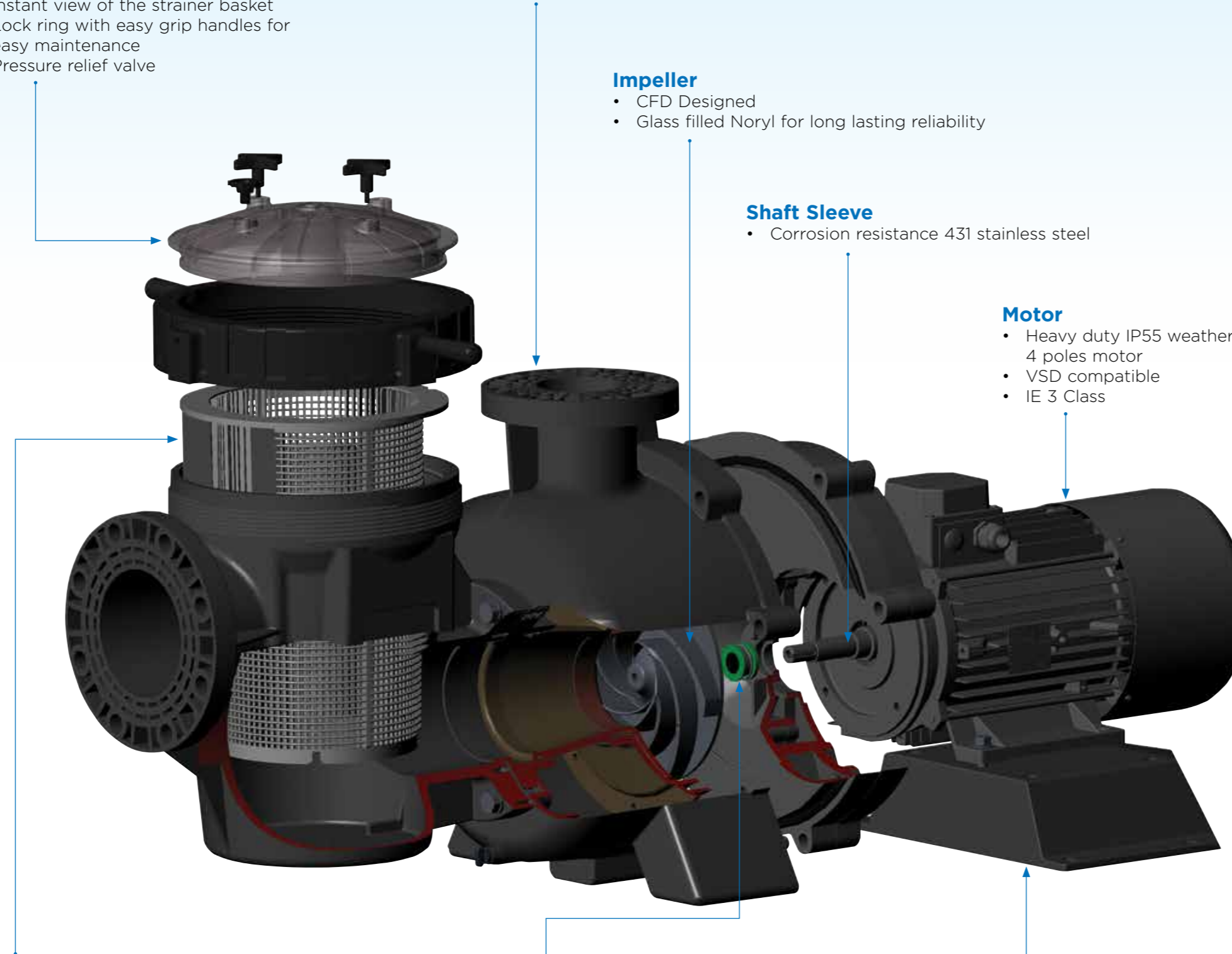
- Corrosion free glass reinforced thermoplastic
- UV stabilised
- Molded 16L polypropylene basket (FDA-grade)
- 6" ANSI flange suction port
- Max flow rate 2550 lpm (150 m³/hr) (670 US GPM)

Mechanical Seals

- Self-lubricating mechanical seals
- Also available in Silicon Carbide

Base

- Integral support base for ease of mounting
- Elastic material designed to absorb vibration and impact for improve stability



Technical Specifications (with Strainer)

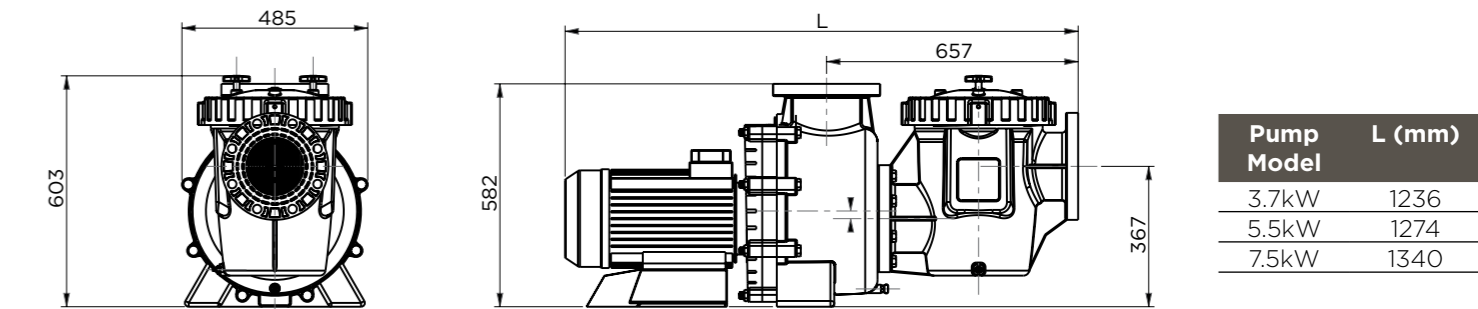
| Model | Pump Input Power | | Amps/Phase | Weight | Total Length | Motor input power | Motor I _{max} | Q _{max} | H _{max} |
|-------|------------------|-------|------------|--------|--------------|-------------------|------------------------|---------------------|------------------|
| | (kW) | (HP) | | (kg) | (mm) | (kW) | (Amp) | (m ³ /h) | (m) |
| 3.7kW | 4.16 | 5.57 | 8.7 | 89 | 1236 | 4.19 | 8.7 | 105.2 | 17.9 |
| 5.5kW | 5.75 | 7.70 | 11.8 | 96 | 1274 | 6.14 | 11.8 | 125.8 | 19.1 |
| 7.5kW | 7.76 | 10.40 | 16.3 | 112 | 1340 | 8.30 | 16.1 | 147.2 | 20.7 |

Technical Specifications (without Strainer)

| Model | Pump Input Power | | Amps/Phase | Weight | Total Length | Motor input power | Motor I _{max} | Q _{max} | H _{max} |
|-------|------------------|-------|------------|--------|--------------|-------------------|------------------------|---------------------|------------------|
| | (kW) | (HP) | | (kg) | (mm) | (kW) | (Amp) | (m ³ /h) | (m) |
| 3.7kW | 4.15 | 5.56 | 8.8 | 73 | 729 | 4.19 | 8.7 | 107.6 | 18.0 |
| 5.5kW | 5.64 | 7.60 | 11.6 | 80 | 767 | 6.14 | 11.8 | 129.5 | 19.3 |
| 7.5kW | 7.86 | 10.50 | 16.3 | 96 | 833 | 8.30 | 16.1 | 152.3 | 21.0 |

| Phase | Volts | Cycle | RPM | Motor IP Rating | Pump IP Rating |
|-------|-------|-------|------|-----------------|----------------|
| 3 | 400 | 50Hz | 1450 | IP55 | X5 |

Pumps Dimensions With Strainer (mm)



Pumps Dimensions Without Strainer (mm)

