

WATERCO

water, the liquid of life

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COMMERCIAL PUMPS



Commercial Pumps

Waterco commercial pumps are high performance corrosion resistant thermoplastic pumps, purpose built for commercial applications.

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

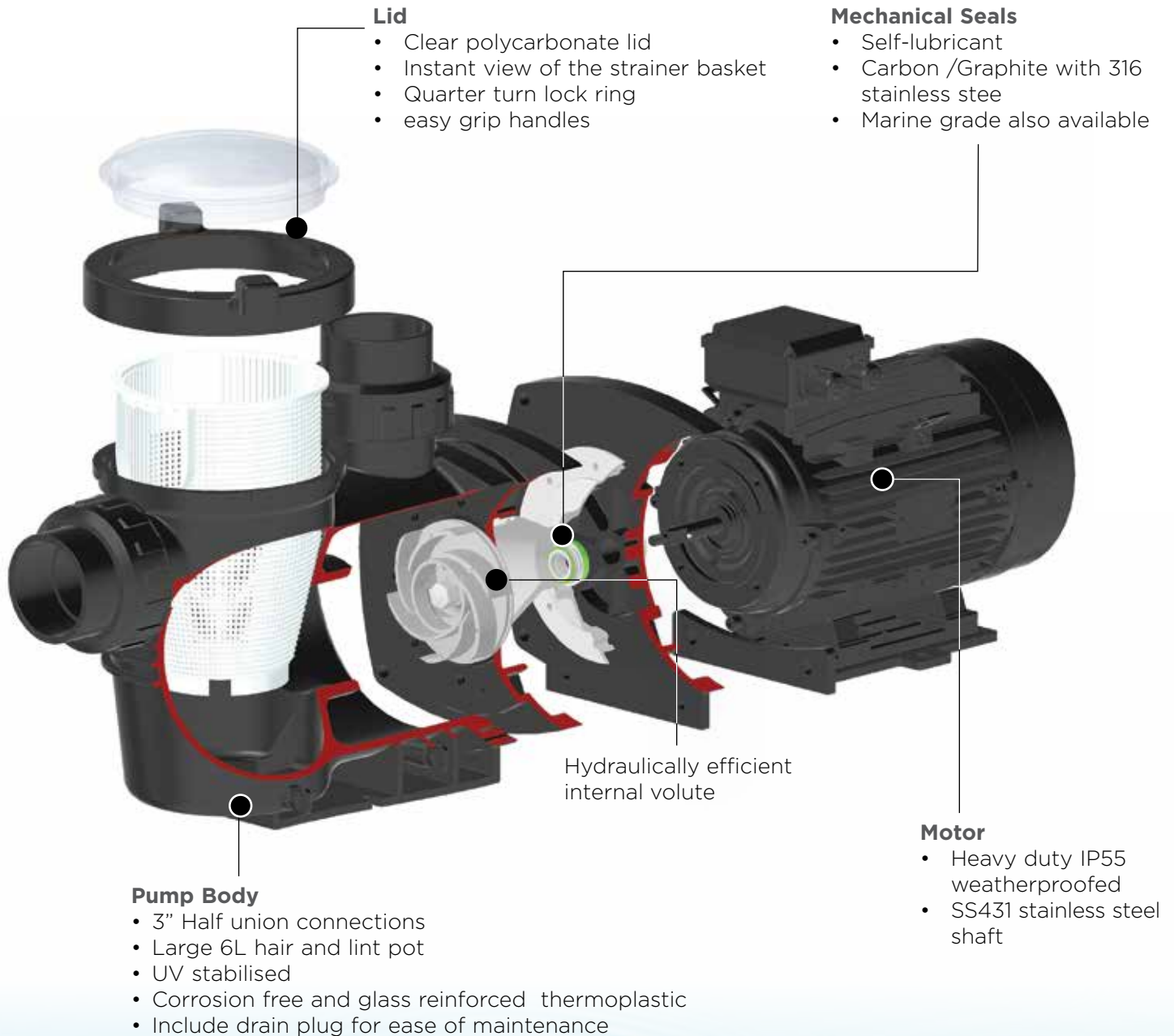
The pump body does not rust or corrode and able to withstand damage from many types of water treatment chemicals. Waterco's thermoplastic pumps' weighs less than its steel counterparts without any sacrifice in strength and durability. Their weight makes them easier to ship to the job site and easier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





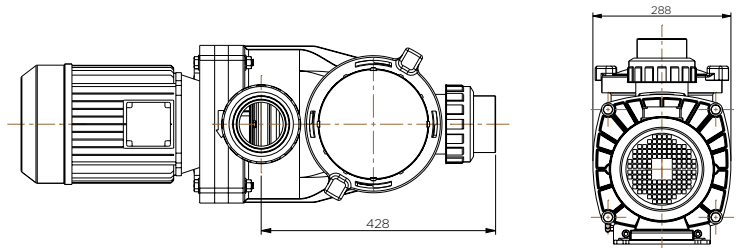
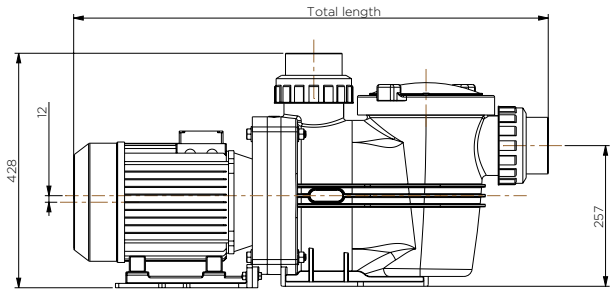
Hydrostar MKIV

The Hydrostar MKIV has been designed to provide a substantially quieter operation with even higher flow rates and higher head than the previous Hydrostar models. Waterco has optimised the pump's hydraulic efficiency by reshaping its internal profile.

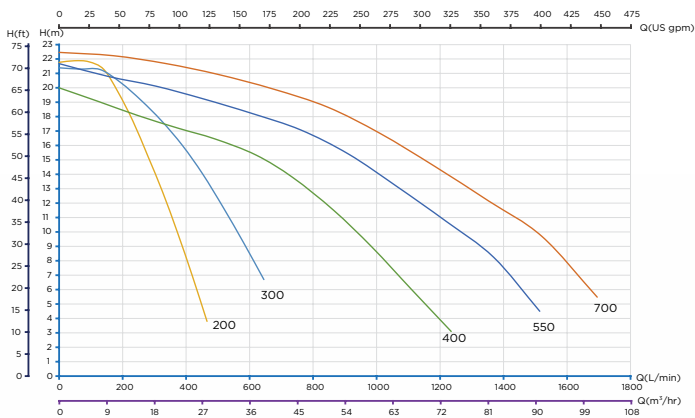


Construction Materials

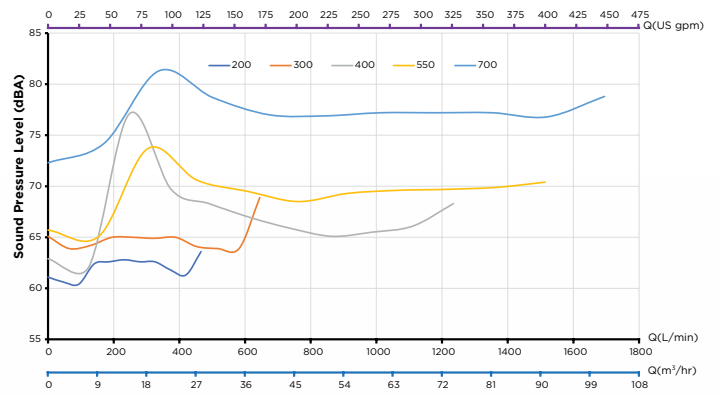
Motor Bracket	: GF Polypropylene
Pump Bracket	: GF Polypropylene
Pump Body O Ring	: NBR
Seal Assembly	: Alumina Ceramic/SS316/ Carbon (Silicon Carbide optional)
Impeller	: GF Noryl



Hydrostar MK4 Performance Chart



Hydrostar MK4 Sound Levels



Hydrostar MK4 Technical Specifications

Pump Code	Model	Pump Input Power		Amps/ Phase	Weight (kg)	Total Length (mm)	Motor Frame	Motor input (kW)	RPM
		(kW)	(HP)						
2404200333	200 MK4 IE3	1.4	1.9	2.8	24	777	80	1.8	2860
2404300333	300 MK4 IE3	2.0	2.7	4.2	28	822	90	2.6	2908
2404400333	400 MK4 IE3	3.0	4	5.8	41	846	100	3.4	2890
2404550333	550 MK4 IE3	4.3	5.7	8.1	50	867	112	5.0	2930
2404700333	700 MK4 IE3	5.4	7.2	10.3	54	929	112	6.2	2917

Phase	Volts	Cycle	Motor IP Rating	Pump Rating
3	380-415	50	55	X5

Hydrostar Plus

Hydrostar Plus pumps are high performance corrosion resistant thermoplastic pumps equipped with 6" flanged inlet port & 4" flanged outlet port, purpose built for aquatic facilities, water parks and large commercial applications.

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 Flanged

Motor

- Heavy duty IP55 weather proofed 2 pole motor
- VSD compatible
- IE 3 Class

Impeller

- CFD Designed
- Glass filled Noryl for long lasting reliability

Shaft Sleeve

- Corrosion resistance 431 stainless steel

Base

- Glass reinforced moulded base for ease of mounting
- Designed to improve stability

Housing & Basket Strainer

- Corrosion free glass reinforced thermoplastic
- UV stabilised
- Molded 17L polypropylene basket (FDA-grade)
- 6" ANSI flange suction port
- Max flow rate 2450 lpm (147m³/hr) (647 US GPM)

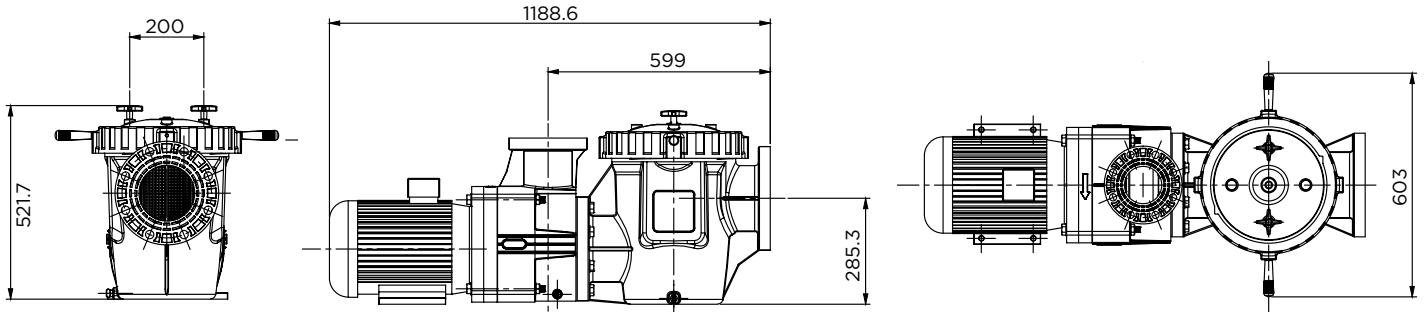
Mechanical Seals

- Self-lubricating mechanical seals
- Marine grade seal also available

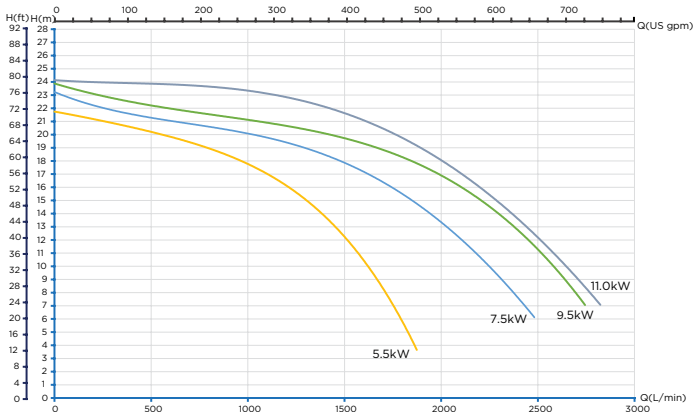


Construction Materials

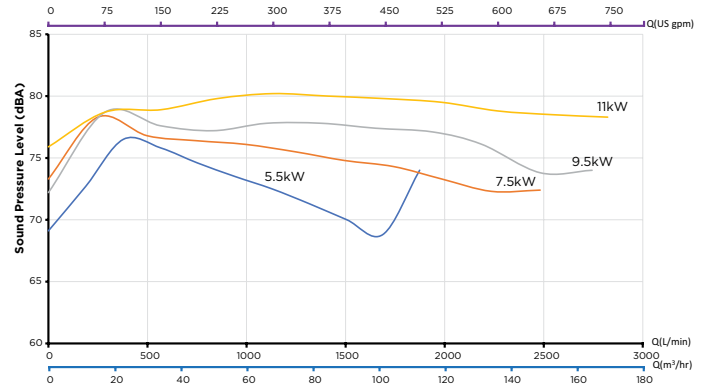
Diffuser : GF Polypropylene
 Pump Body : GF Polypropylene
 Strainer Basket : Polypropylene
 Strainer Lid : Polycarbonate
 Lock Ring : GF Noryl



Hydrostar Plus Performance Chart



Hydrostar Plus Sound Levels



Hydrostar Plus Technical Specifications

Pump Code	Model	Motor Input (kW)	Nominal Power (HP)	Amps	Weight (kg)	Total Length (mm)	Motor
2460750	5.5kW	5.8	7.8	10.4	73	1190	2930
2461000	7.5kW	8.3	11.1	14.6	75	1190	2940
2461250	9.5kW	9.9	13.3	17.7	91	1218	2960
2461500	11kW	11.4	15.3	20.3	92	1218	2940

Phase	Volts	Cycle	Motor Frame	Pump Rating
3	380-415	50	132	IPX5



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 pump's 4 pole motor runs at 1450 rpm making them ideal for high water flow applications such as aquatic facilities, water parks and large commercial applications.

Hydrostar Plus 1450 pump's main body is constructed from an injection moulded glass reinforced thermoplastic. Glass reinforced thermoplastic possesses superior mechanical and chemical resistance to steel.

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 pole motor
- VSD compatible
- IE 3 Class

Basket Strainer

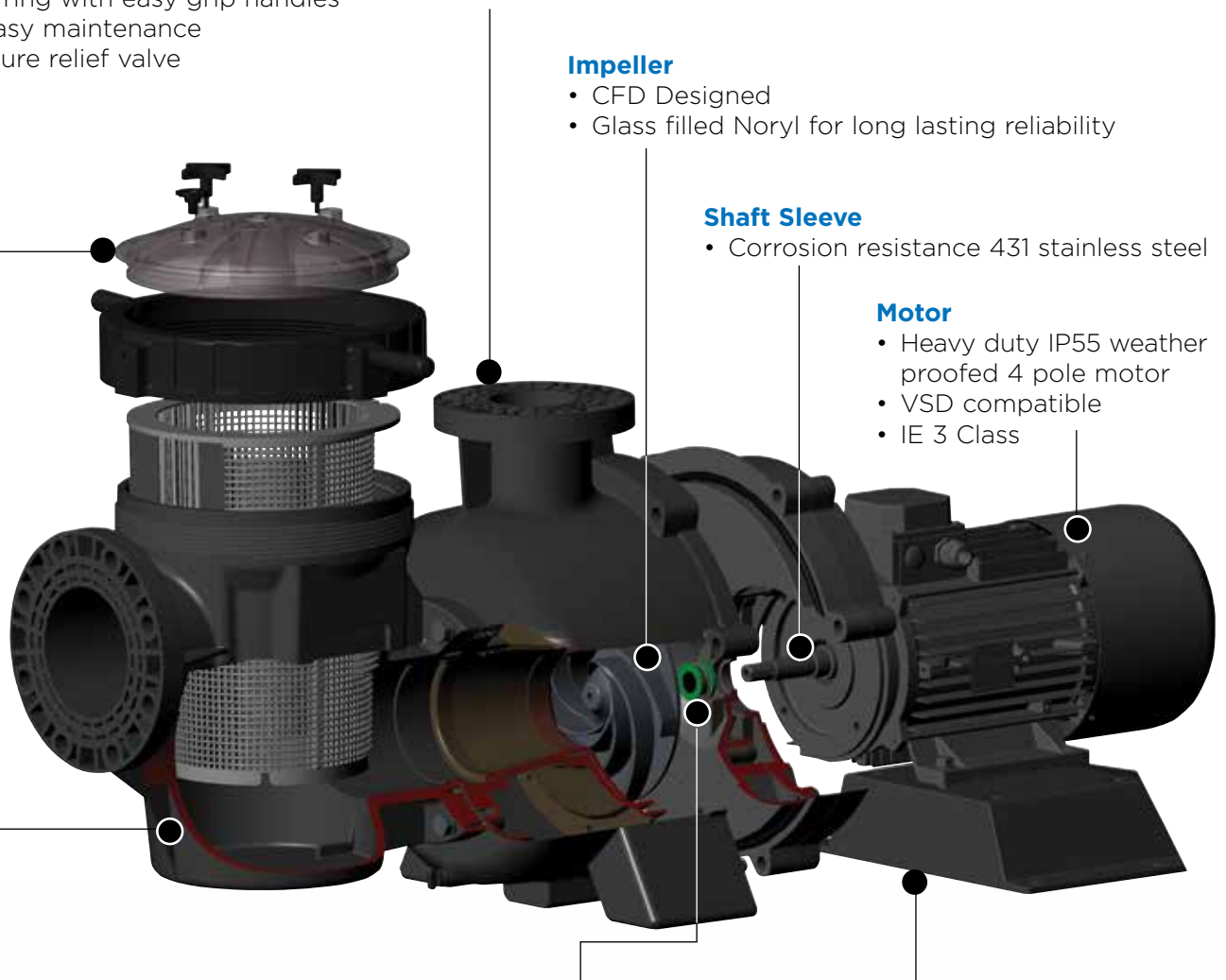
- Corrosion free glass reinforced thermoplastic
- UV stabilised
- Molded 17L polypropylene basket (FDA-grade)
- 6" ANSI flange suction port
- Max flow rate 2450 lpm (147 m³/hr) (647 US GPM)

Mechanical Seals

- Self-lubricating mechanical seals
- Marine grade seal also available

Base

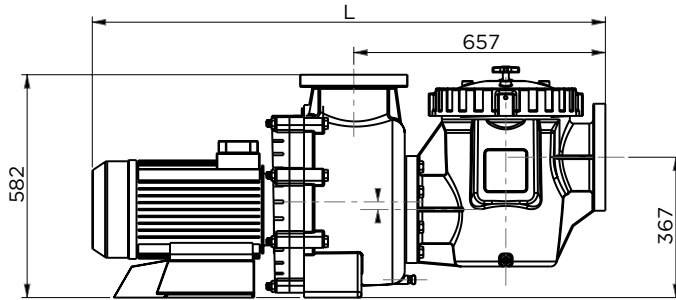
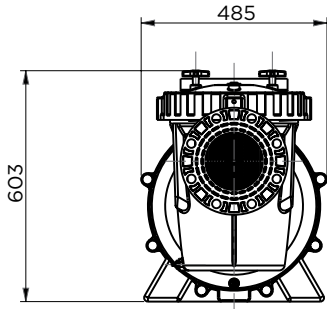
- Glass reinforced moulded base for ease of mounting
- Designed to improve stability



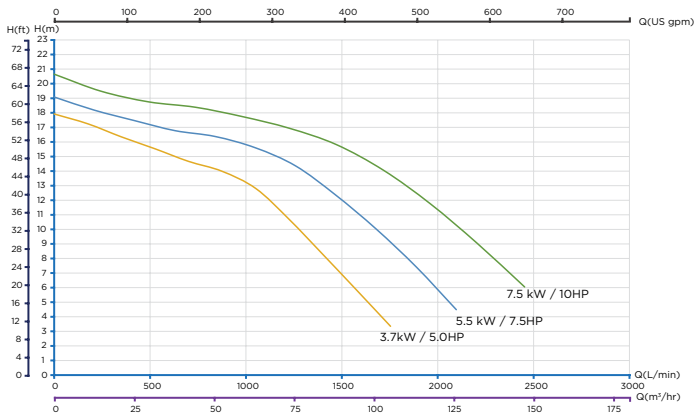
Construction Materials

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

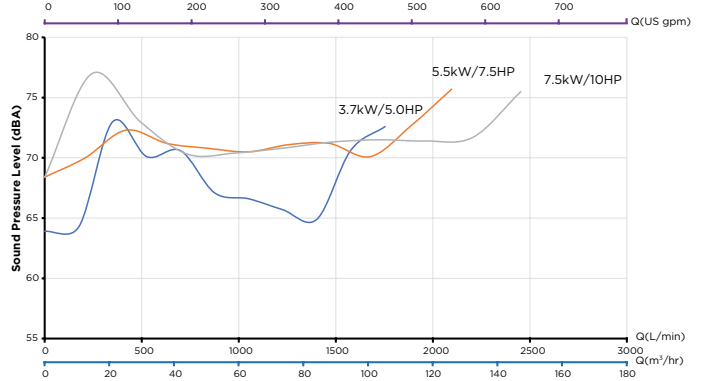
(*) Silicon Carbide optional



Hydrostar Plus 1450 Performance Chart



Hydrostar Plus 1450 Sound Levels



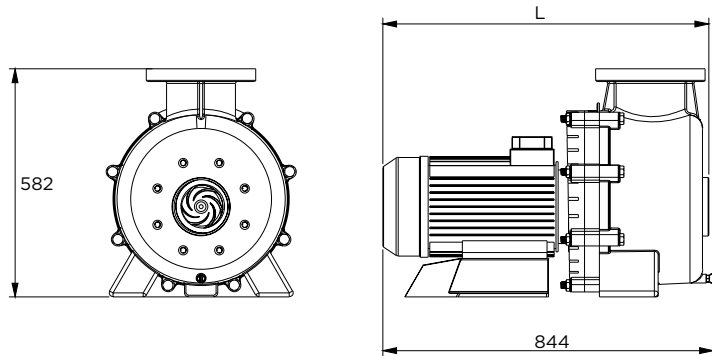
Hydrostar Plus 1450 Technical Specifications

Model	Pump Input Power		Amps/Phase	Weight (kg)	Total Length (mm)	Motor input power (kW)	Motor I _{max} (Amp)	Q _{max} (m ³ /h)	H _{max} (m)
	(kW)	(HP)							
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

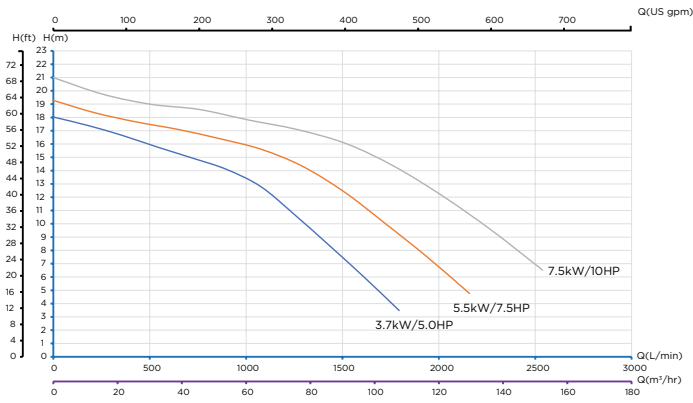
Phase	Volts	Cycle	RPM	Motor IP Rating	Pump IP Rating
3	400	50Hz	1450	IP55	X5



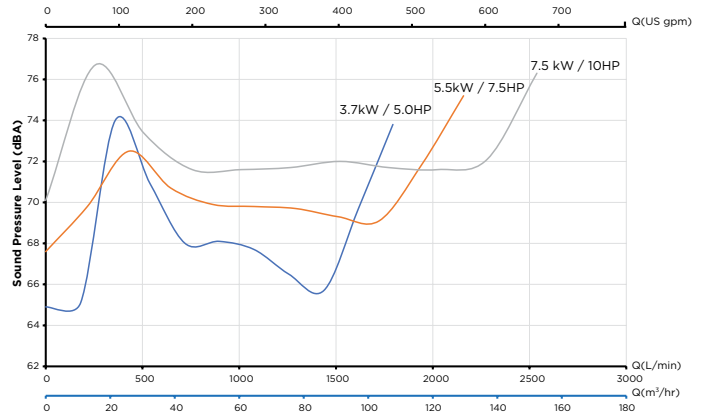
Hydrostar Plus 1450 Without Strainer



Hydrostar Plus 1450 (Without Strainer)



Hydrostar Plus 1450 (Without Strainer)



Technical Specifications (without Strainer)

Model	Pump Input Power		Amps/Phase	Weight (kg)	Total Length (mm)	Motor input power (kW)	Motor I _{max} (Amp)	Q _{max} (m ³ /h)	H _{max} (m)
	(kW)	(HP)							
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



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.

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

For detailed terms and conditions please refer to Waterco's Warranty Booklet.

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