

PUMPS



HVSP SERIES
VARIABLE SPEED PUMP

HVSP SERIES VARIABLE SPEED PUMP

HVSP series variable speed pump is a valuable product, with the feature of energy saving, efficient, intelligent and safe and suitable for swimming pool, hot spring and water feature. It provides users with the best solution for energy saving, avoids the unnecessary consumption of energy and increase the operating efficiency to maximize the user's operating cost.

Material:

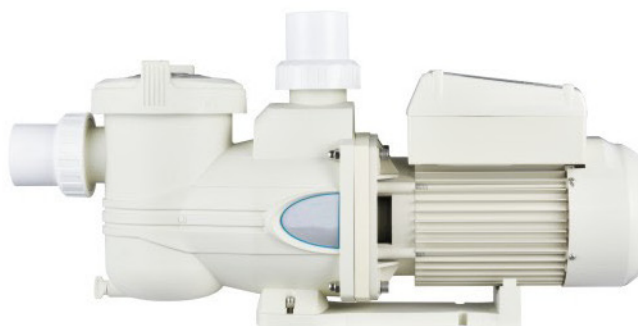
- Totally Enclosed Fan Cooled (TEFC)
- Shaft: SS316
- Mechanical Seal: Carbon+Resin-Ceramics
(Carbon, Ceramics, SS304, NBR)
- BEARING: NSK

Features:

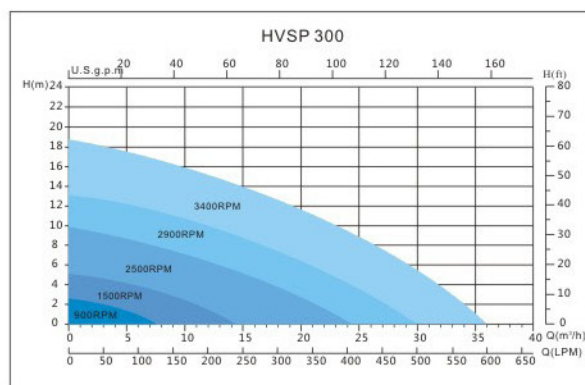
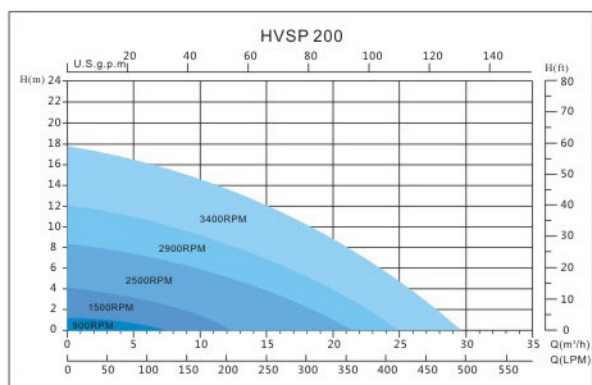
- Pump inlet/outlet with external thread can connect with metric/imperial pipe
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Liquid temperature: 5-50°C
- Ambient temperature: up to 45°C
- Maximum working pressure: 2.5bar
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Single phase: 220V/50Hz
- 220V/60Hz, is available on request

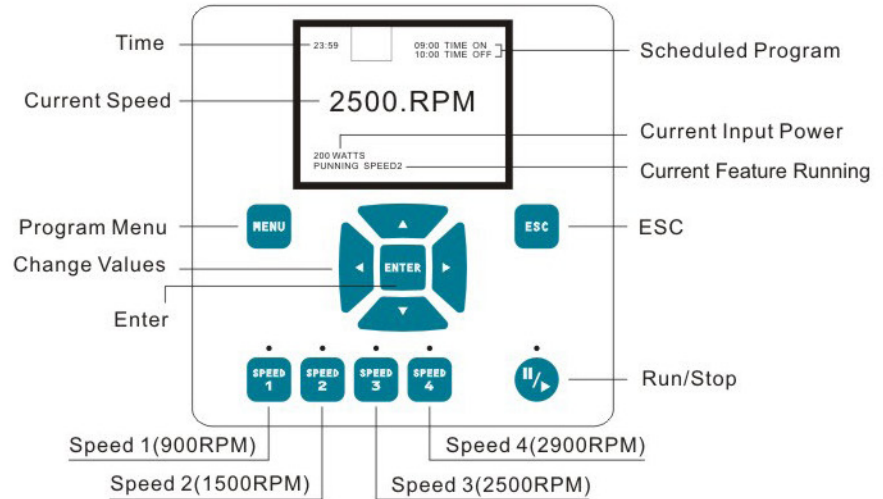


CE



Qh.curve of the Pump:





Energy Saving

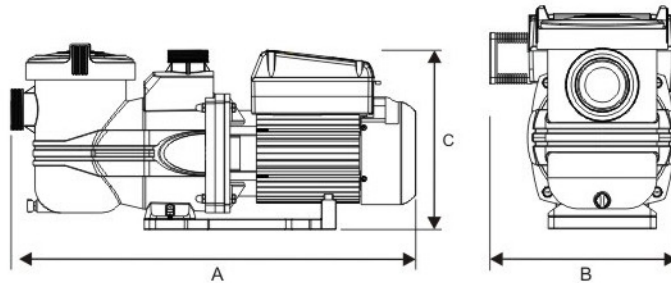
Traditional pumps operate at set, unchangeable speeds. Those speeds are almost always higher than required. As a result, they overpower the jobs they're assigned to do, which wastes energy. HVSP pump with built-in intelligent technology, can achieve variable speed operation, reducing up to 80% of the energy consumption.

High efficiency

HVSP variable speed pump combines efficient motor with excellent internal geometric structure of the pump, making it a powerful, quiet and reliable multi-purpose pump.

Application & Installation

HVSP series variable pump uses infinitely adjustable-speed intelligent frequency conversion technology. It is suitable for all types and sizes, pool and spa combinations and ideal for water features such as waterfalls and fountains. Fully programmable with up to 4 preset speed and timer functions.



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-HVSP200	2.0	1.5	1	220	2" 63mm	630	195	290
WL-HVSP300	3.0	2.2	1	220	2" 63mm	630	195	290

BVSP SERIES VARIABLE SPEED PUMP

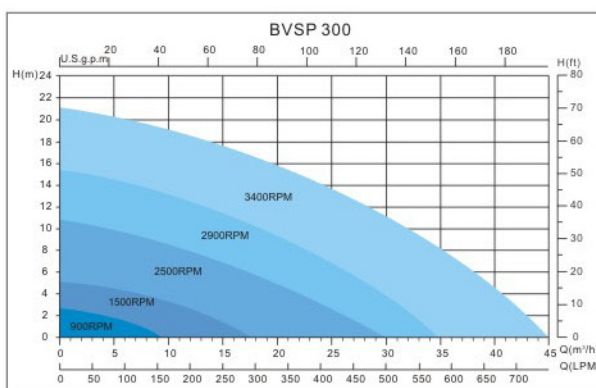
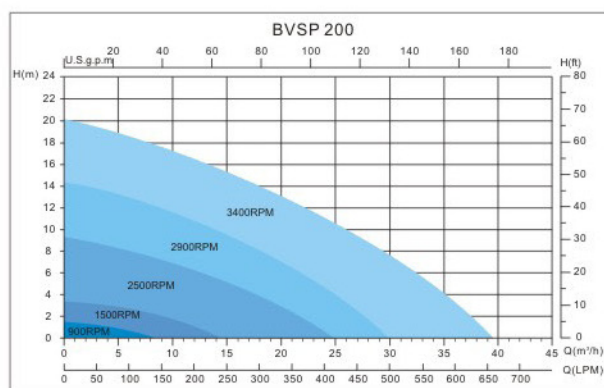
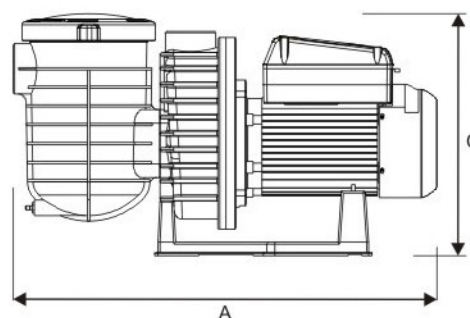
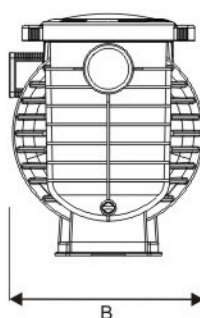
Material:

- Totally Enclosed Fan Cooled(TEFC)
- 5L Strainer Basket
- Shaft: SS316
- Mechanical Seal: Carbon+Resin-Ceramics
(Carbon,Ceramics,SS304,EPDM)
- BEARING: NSK



Features:

- Pump inlet/outlet with external thread can connect with metric/imperial pipe
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Liquid temperature: 5-50°C
- Ambient temperature: up to 45°C
- Maximum working pressure: 2.5bar
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Single phase: 220V/50Hz
- 220V/60Hz, is available on request



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-BVSP200	2.0	1.5	1	220	2" 63mm	630	290	360
WL-BVSP300	3.0	2.2	1	220	2" 63mm	630	290	360

BHP/BHP-E SERIES PUMP



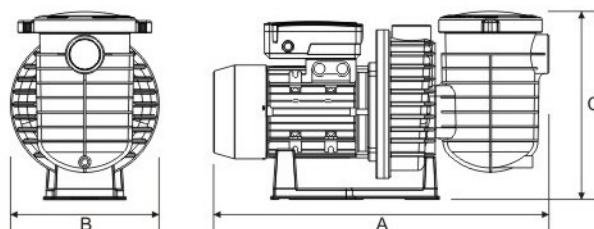
Material:

- Pump housing: Polypropylene 35%+35% Fiberglass
- Filter basket: Polypropylene
- Shaft: SS304
SS316 (For seawater pump BHP-E series)
- Bearing: NSK
- Mechanical seal:
Carbon+Resin-Ceramics (Carbon, Ceramics, SS304, EPDM)
SS316+EPDM (Sealsbellows)+SIC+Graphite
(For seawater pump BHP-E series)
- Impeller: Noryl+30% Fiberglass
- Diffuser: Noryl+30% Fiberglass
- Pump base: PP+35% Fiberglass

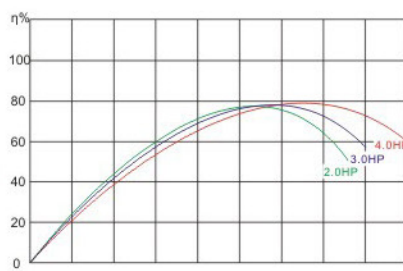
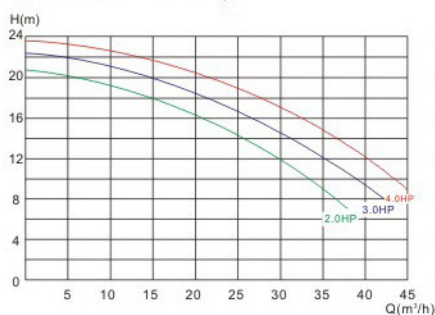
BHP/BHP-E heavy duty pumps delivers high flow and high performance. It's designed for commercial swimming pool. Unique large diffuser and maximum performance impeller with high performance motor maximizes energy efficiency.

Features:

- Pump inlet/outlet with external thread can connect with metric/imperial pipe
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Liquid temperature: 5-50°C
- Ambient temperature: up to 40°C
- Maximum working pressure: 2.5bar
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- The motor is painted fluoride-resistant acid corrosion protective coating, resists chemical and marine corrosion. (for BHP-E series pump)
- Motor: 3000r.p.m.
- Available in 50Hz or 60Hz when request.



QH.Curve of The Pump



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-BHP200M WL-BHP-E200M	2.0	1.5	1	220	2" 63mm	610	285	360
WL-BHP300M WL-BHP-E300M	3.0	2.2	1	220	2" 63mm	610	285	360
WL-BHP200T WL-BHP-E200T	2.0	1.5	3	380	2" 63mm	610	285	360
WL-BHP300T WL-BHP-E300T	3.0	2.2	3	380	2" 63mm	610	285	360
WL-BHP400T WL-BHP-E400T	4.0	3.0	3	380	2" 63mm	640	285	360

HLLF SERIES PUMP

Material:

- Pump housing: Polypropylene 35%+35% Fiberglass
- Filter basket: Polypropylene
- Shaft: SS304
- Bearing: NSK
- Mechanical seal: Carbon+Resin-Ceramics (Carbon, Ceramics, SS304,NBR)
- Impeller: Noryl+30% Fiberglass
- Diffuser and pump base: PP+35% Fiberglass



CE

0.75HP-1.0HP

Features:

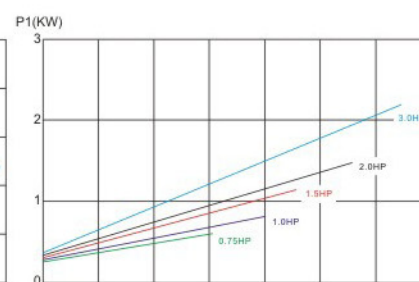
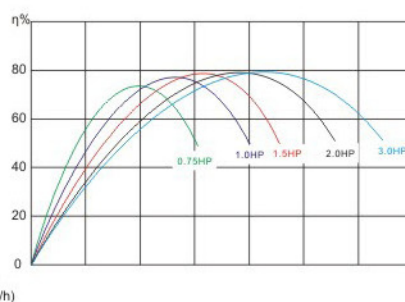
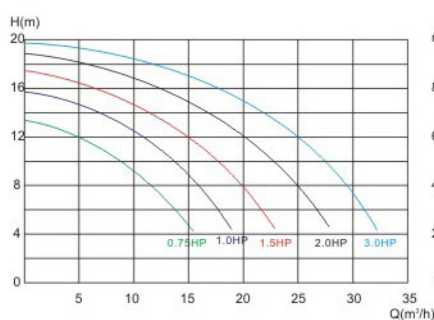
- Pump inlet/outlet with external thread can connect with metric/imperial pipe
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Lower noise, 0.75HP can lower than 65Db
- Liquid temperature: 5-50°C
- Ambient temperature: up to 40°C
- Maximum working pressure: 2.5bar
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Motor: 3000r.p.m.
- Single phase: 220V/50Hz
- 220V/60Hz, 380V/50Hz are available on request



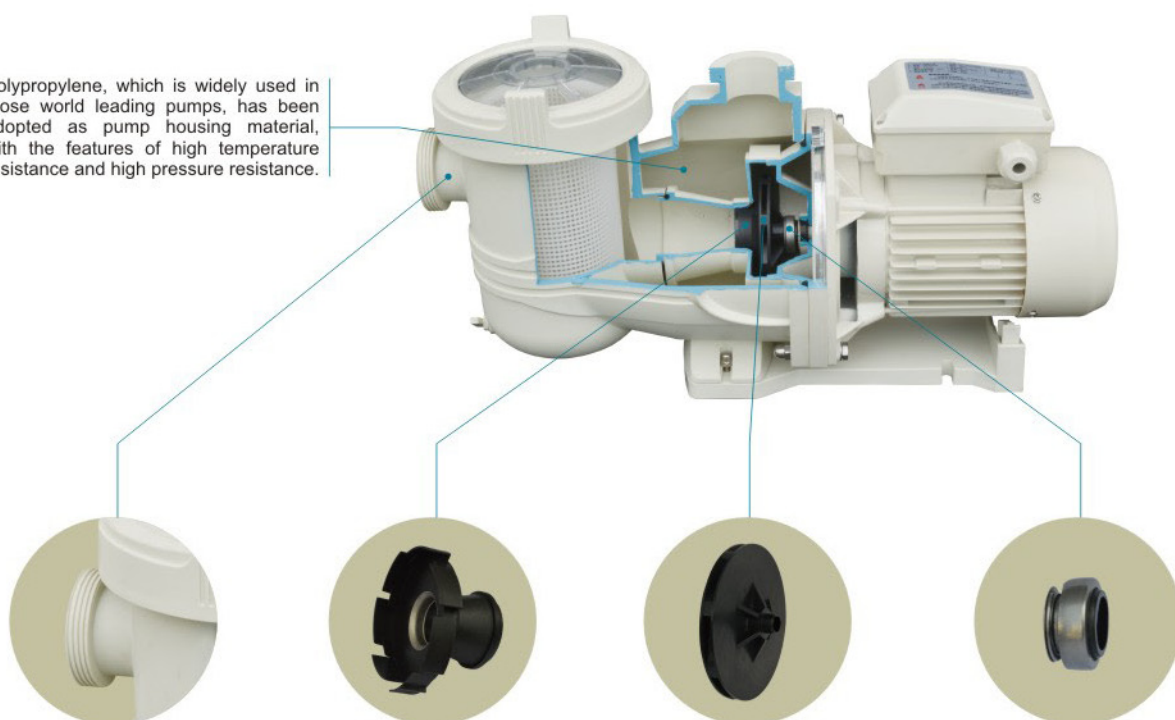
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1. 5HP-3.0HP

QH.Curve of The Pump



Polypropylene, which is widely used in those world leading pumps, has been adopted as pump housing material, with the features of high temperature resistance and high pressure resistance.

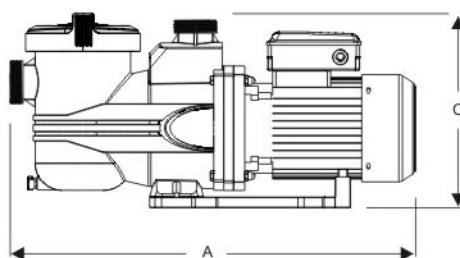
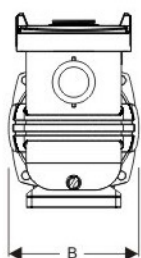


Pump inlet/outlet with external thread can connect with metric/imperial pipe, more convenient to operate.

The pump diffuser in cone shape and cambered surface ensures the operation of high head and mass flow, and at the same time effectively reduces cavitations as well as flow noises (The 0.75HP pump produces less than 65DB noises).

The impeller uses locknut and locating pin to increase the stability of its operation.

Mechanical seal adopts ceramic carbon material which is resistant to high temperature and dry grinding. This not only enhances the pump shaft's sealing, but also increases the operational capacity of short-term dry run.



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-HLLF075M	0.75	0.6	1	220	1.5" 50mm	595	200	295
WL-HLLF100M	1.0	0.75	1	220	1.5" 50mm	595	200	295
WL-HLLF150M	1.5	1.1	1	220	1.5" 50mm	605	200	295
WL-HLLF200M	2.0	1.5	1	220	2" 63mm	605	200	295
WL-HLLF300M	3.0	2.2	1	220	2" 63mm	605	200	295
WL-HLLF100T	1.0	0.75	3	380	1.5" 50mm	595	200	295
WL-HLLF150T	1.5	1.1	3	380	1.5" 50mm	605	200	295
WL-HLLF200T	2.0	1.5	3	380	2" 63mm	605	200	295
WL-HLLF300T	3.0	2.2	3	380	2" 63mm	605	200	295

ESP SERIES PUMP

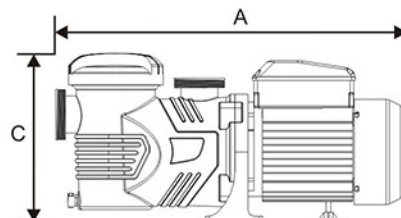
ESP series pump is circulation pump for pool with high reliability and performance, which makes the pump more recognized in the market. Mechanical seal adopts ceramic carbon material which is resistant to high temperature and dry grinding. With 25000 strict life-span tests and powerful impact tests, this pump is highly recommended for its high performance and reliable quality.



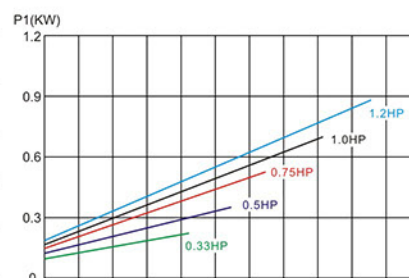
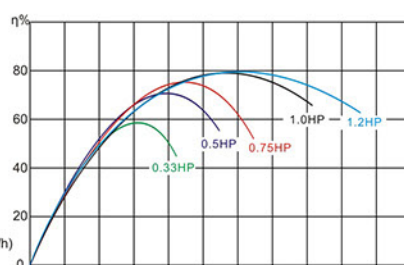
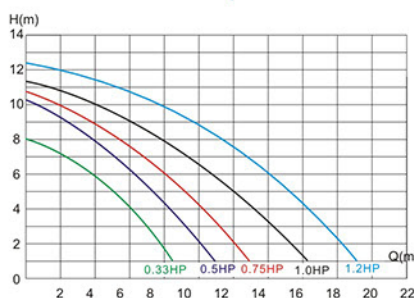
CE

Features:

- Pump inlet/outlet with external thread can connect with metric /imperial pipe, more convenient to operate.
- Lower noise, can lower than 67 DB
- Thermal protection included
- Liquid temperature: 5-50°C
- Ambient temperature: up to 40°C
- IPX5 Waterproof standard.
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Single phase: 220V/50Hz
220V/60Hz is available on request

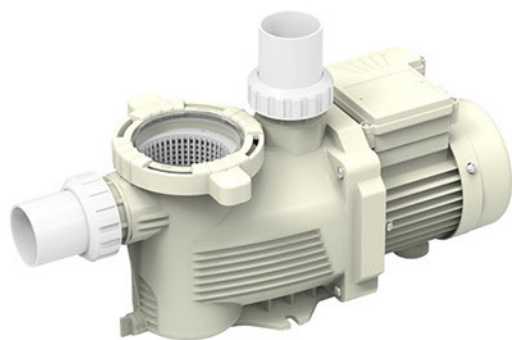


Qh.curve of the Pump :

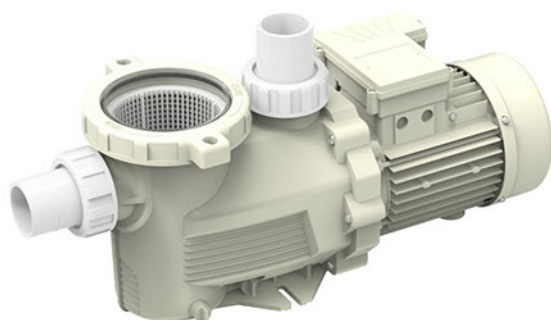


Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-ESP033M	0.33	0.26	1	220	1.5" 50mm	460	160	230
WL-ESP050M	0.5	0.37	1	220	1.5" 50mm	460	160	230
WL-ESP075M	0.75	0.55	1	220	1.5" 50mm	485	160	230
WL-ESP100M	1.0	0.75	1	220	1.5" 50mm	485	160	230
WL-ESP120M	1.2	0.9	1	220	1.5" 50mm	485	160	230

KP SERIES PUMP



WL-KP256~WL-KP456



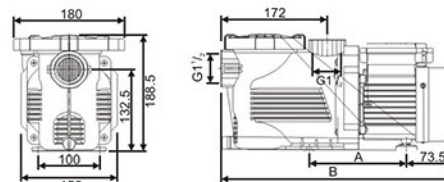
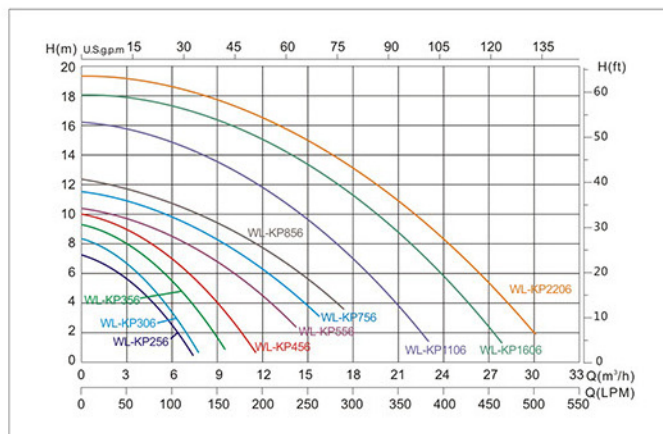
WL-KP556~WL-KP2206

WL-KP series are used for water circulation in all kinds of small domestic swimming pools. Slightly dirty water with solids in suspension can be perfectly filtered.

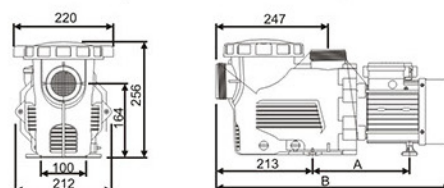
Features:

- Liquid temperature: 5-50°C.
- Ambient temperature: $\leq 40^{\circ}\text{C}$.
- Max. Working pressure: 0.3MPa.
- IPX5 waterproof standard.
- Insulation Class: F.
- Thermal protection included.
- Single phase: 220V/50Hz.
- 220V/60Hz, 110V/60Hz; 380V/50Hz($P \geq 450\text{W}$) are available on request.
- Max.Suction: 3M($P \geq 600\text{W}$)

QH.Curve of The Pump



WL-KP256~WL-KP456



WL-KP556~WL-KP2206

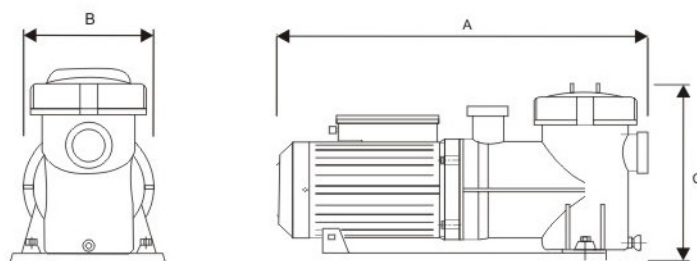
Model	Horsepower (HP)	Rated Power(KW)	Voltage (V)	Connection Size	Length A(MM)	Length B(MM)
WL-KP256	0.33	0.25	220	1.5" or 50mm	157.5	374
WL-KP306	0.4	0.3	220	1.5" or 50mm	157.5	374
WL-KP356	0.5	0.35	220	1.5" or 50mm	157.5	374
WL-KP456	0.6	0.45	220	1.5" or 50mm	157.5	374
WL-KP556	0.75	0.55	220	48.5mm & 50mm or 60.3mm & 63mm	214	518
WL-KP756	1.0	0.75	220	48.5mm & 50mm or 60.3mm & 63mm	214	518
WL-KP856	1.2	0.85	220	48.5mm & 50mm or 60.3mm & 63mm	214	518
WL-KP1106	1.5	1.1	220	48.5mm & 50mm or 60.3mm & 63mm	214	518
WL-KP1606	2.0	1.6	220	48.5mm & 50mm or 60.3mm & 63mm	250	548
WL-KP2206	3.0	2.2	220	48.5mm & 50mm or 60.3mm & 63mm	250	548

Features:

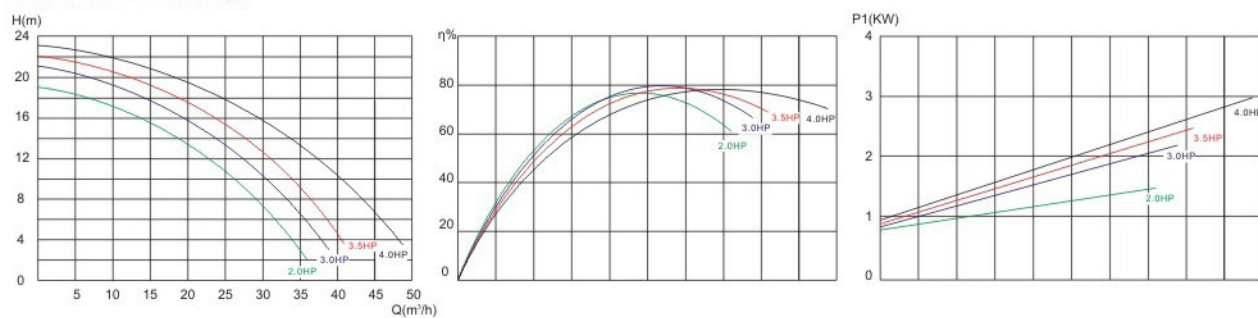
- Anti-rust crust can stop water penetrating the engine. Enough power, high head, big flux and high efficient circulation.
- Lower noise and run quietly. The pump cover bears high airtight preventing the leaking.
- The main part of the pump is made of special plastic which is durable in extreme low or high temperature.
- Single phase:220/50Hz
Three-phase:380V/50Hz



CE



QH.Curve of The Pump



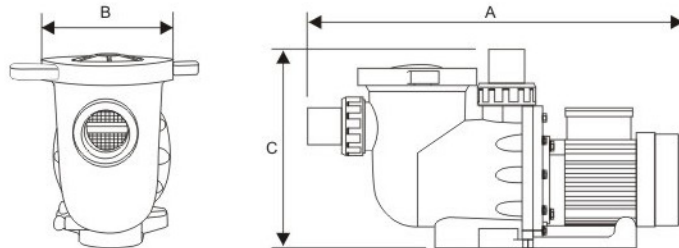
Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-HEP020M	2.0	1.5	1	220	2" 63mm	670	260	360
WL-HEP030M	3.0	2.2	1	220	2" 63mm	670	260	360
WL-HEP020T	2.0	1.5	3	380	2" 63mm	670	260	360
WL-HEP030T	3.0	2.2	3	380	2" 63mm	670	260	360
WL-HEP035T	3.5	2.6	3	380	2" 63mm	670	260	360
WL-HEP040T	4.0	3.0	3	380	2" 63mm	670	260	360



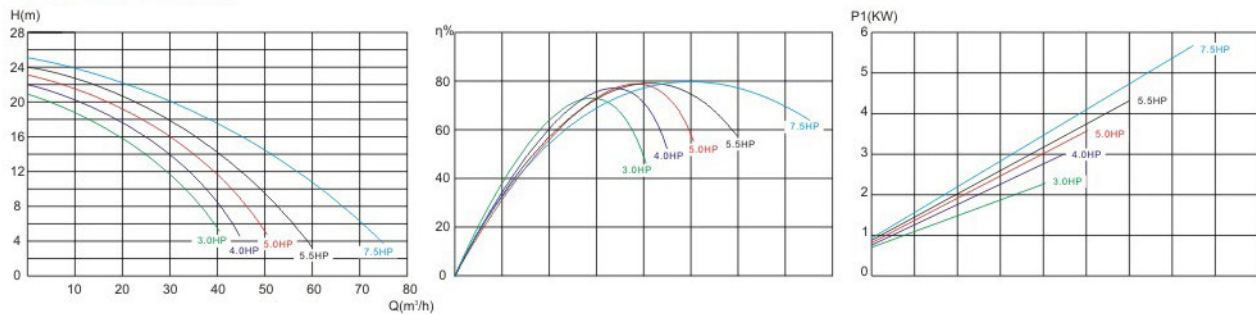
CE

Features:

- Anti-rust crust can stop water penetrating the engine.
- Enough power, high head, big flux and high efficient circulation.
- Lower noise and run quietly.
- The pump cover bears high airtight preventing the leaking.
- The main part of the pump is made of special plastic which is durable in extreme low or high temperature.
- Three-phase:380V/50Hz
380V/60Hz model is available on request.



QH.Curve of The Pump



Model	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-CEP030T	2.5	3	380	2" 63mm	670	260	360
WL-CEP040T	3.0	3	380	75mm inlet 63mm outlet	670	260	360
WL-CEP050T	3.8	3	380	75mm inlet 63mm outlet	670	260	360
WL-CEP055T	4.0	3	380	75mm inlet 75mm outlet	670	260	360
WL-CEP075T	5.5	3	380	75mm inlet 75mm outlet	670	260	360