

V. 2024-2



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2024 Product Brochure

www.chinataifu.com

TAIFU[®]

Energy Saving Pump

IPO STOCK NO.300992



General Catalogue **50Hz**

ZHEJIANG TAIFU PUMP CO.,LTD.

COMPANY PROFILE



Listed Company



Full Range



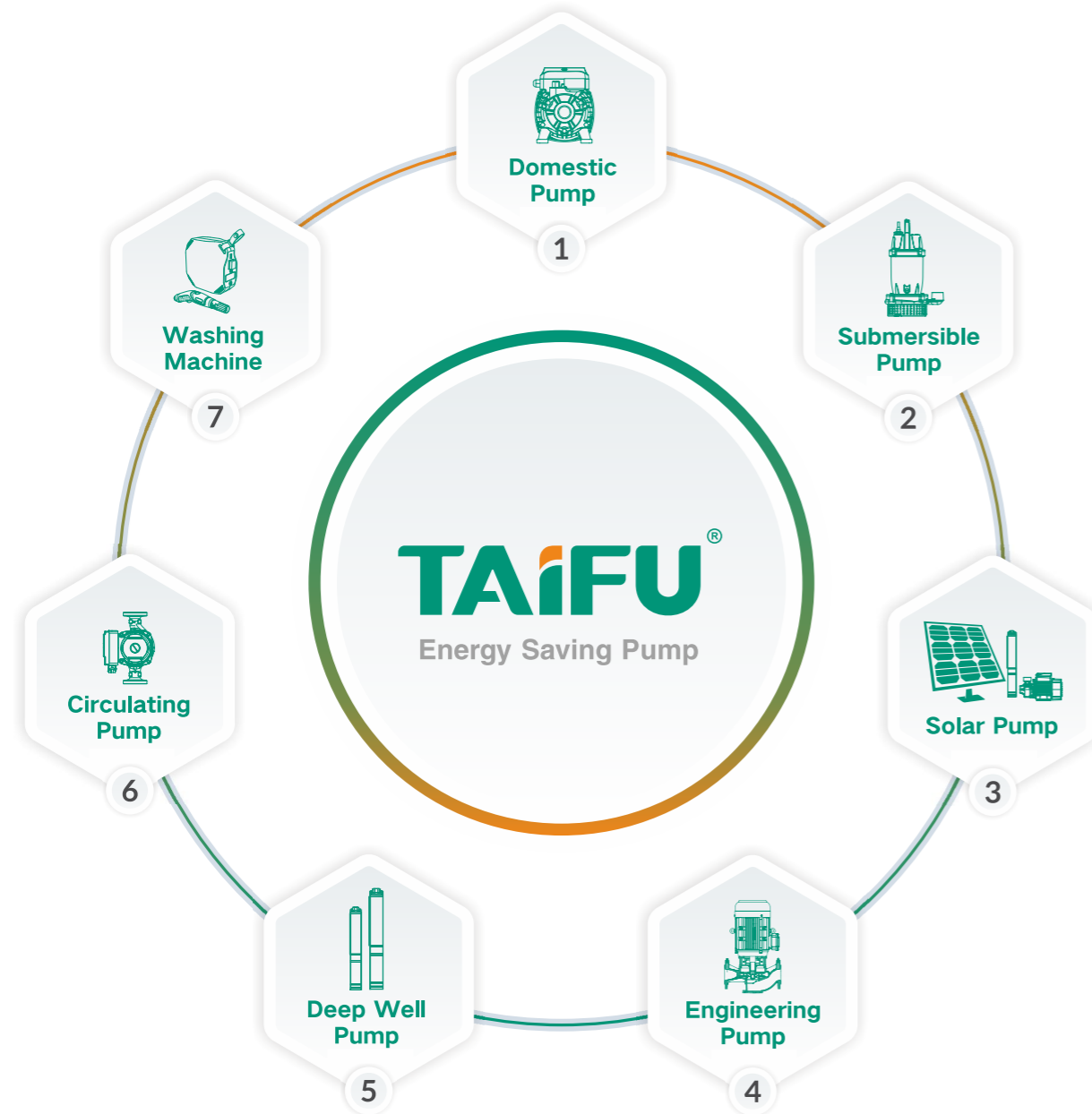
Whole Industrial Chain



- History: More than 40 years experience of manufacturing pumps since 1982
- Scale: Cover an area of over 170000 square meters , have nearly 1000 employees
- Technology: A group of professional technical engineers and a strong R&D team
- Management: Scientific ERP management and strict quality control system
- Equipments: Japanese automatic molding machine & pouring machine for cast iron parts, double spindle lathe for pump body and stator, Japanese CNC precision automatic lathe for shaft, automatic wiring machine, electrophoresis, etc.
- Innovations: Continuously diversify products range to satisfy customers' demands
- Production capacity:200,000 pcs/month
- Marketing network: America, Europe, Asia, Africa, etc;
- Long-term supplier of world-class companies: GAZI and main supermarkets in USA etc;
- NEW: Professional technology development and production group for controller PCB board

RoHS **CE** **SA** **ISO9001** **ISO14001** **OHSAS18001**

FRAMEWORK OF SEVEN BUSINESS UNITS



40⁺
40 years of pump industry

4⁺
Overseas branches: Russia, Vietnam, North America, Indonesia

150⁺
More than 150 export countries

700⁺
More than 700 types and models of water pumps

LEADING TECHNOLOGY AND PRODUCTION PROCESS

Build core power of competitiveness
Enhance added value of innovation

80⁺
R & D Personnel

The company following a quality first path by strictly implementing the theory of "Market oriented, innovation, quality and customer satisfaction" to get a lot of certificates, such as ISO9001 (Quality Management System), ISO14001 (Environmental Management System), ISO45001:2018(Occupational Health and Safety Management System) as well as CE, CSA certificates and so on in order to adapt the demand of national markets.

86⁺
National Patent

It has an international and systematic R & D team led by doctors and senior engineers, implements a talent training mechanism of "introducing and going out", combines production, learning and research with universities and colleges in Zhejiang University, and carries out research on new energy, new materials and new technologies.



FULL CATEGORY PRODUCT LAYOUT DRIVES INDUSTRIAL UPGRADING

80%

80% automatic production of core components

TAIFU has achieved 80% automatic production of core components and 90% of spare parts through continuously automatic updated production equipments.

90%

90% of spare parts production

High-end equipments can ensure effective control of products' quality, make the production more advanced, significantly improve the production efficiency, greatly improve working environment, and continuously improve products' quality and market competitiveness.

In order to pursue the quality concept of processing, standardizing, refinement and branding, Taifu will make solid progress towards the goal of becoming a smart factory!



THE WHOLE INDUSTRY CHAIN ENSURE THE HIGH QUALITY



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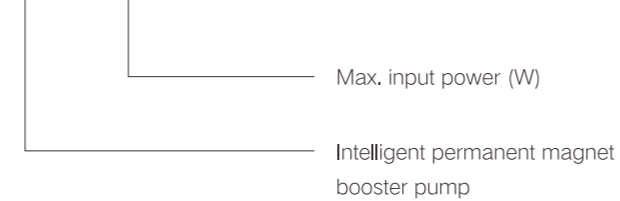
MASTER

Auto Peripheral Booster Pump



Model Meaning

MASTER 400 / MASTER 600



Applications

- Widely used in high-rise pressurization, household water supply, well water lifting, solar system pressurization, etc.
- Great market potential: MASTER 400 can replace the domestic jet and vortex pump with a power of 400W and below.

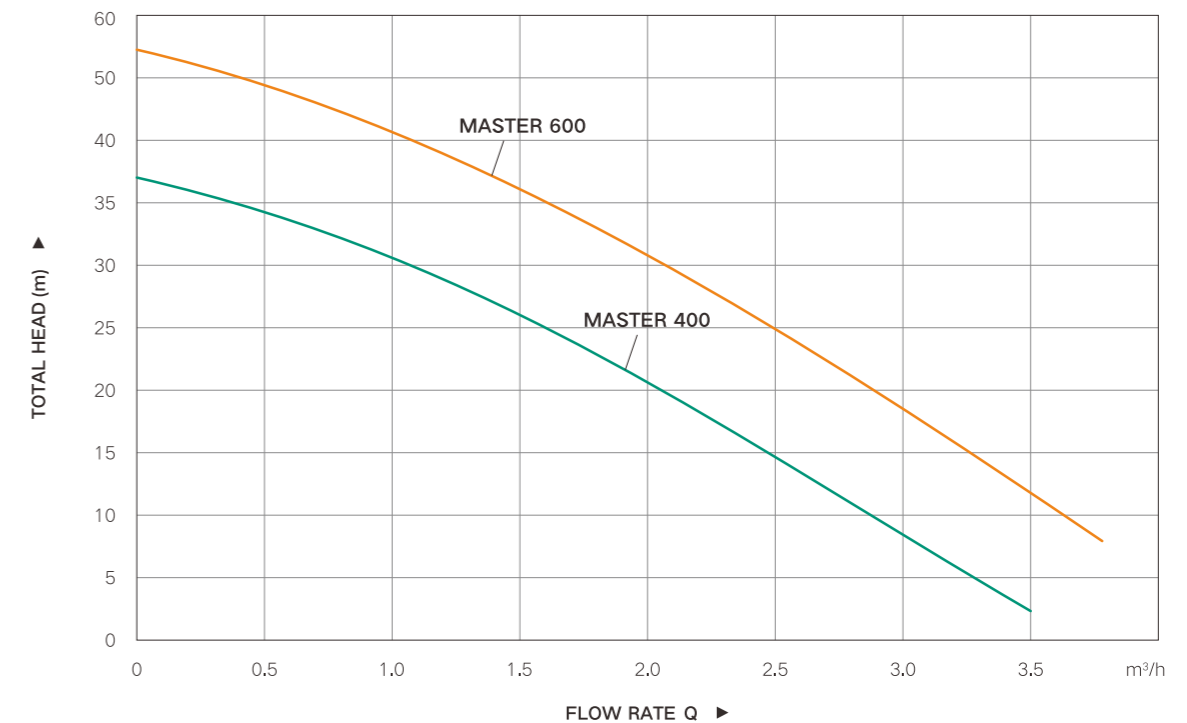
Working Conditions

- Ambient temperature: 0°C-45°C
- Liquid temperature: 0°C-40°C
- The PH of liquid: 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm.
- Voltage: 220V/50Hz for single-phase AC, the maximum voltage fluctuation value does not exceed $\pm 10\%$ of the rated value.

Advantages & Features

- Pre-filtration:** integrates the pre-filtration system with easy-to-disassemble structure and visual design. Users could quickly choose and replace a variety of filter cartridge to meet the different needs in filter scene.
- Simple Maintenance:** Innovative patent design, pre-filter cavity structure, enable filters and cartridges to be back-flushed, quick-flushed and maintenance-free, realizing the cleaning and maintenance of the cartridge network and long-term maintenance without dismantling and washing.
- Low Noise Running, High-efficient Energy Saving:** this pump contains permanent magnet shielded structure motor, dual shock absorbing design, intelligent constant pressure control system, and ceramic shaft and sliding bearing transmission system, making this pump quieter, more efficient and reliable.
- Super Self-priming Performance:** adopting jet self-priming structure, it has high self-priming performance as the jet pump.
- Smart Control, Constant Pressure:** equipped with efficient intelligent control system and simple&visualized touch screen. Build-in automatic start-stop mode, constant pressure and other mode to adapt to a variety of scenarios and work efficiently.
- Multi-protection:** setting with multi-protection, including water shortage protection, over-voltage protection, over-current protection, over-load protection, overheating protection, anti-freezing protection, etc

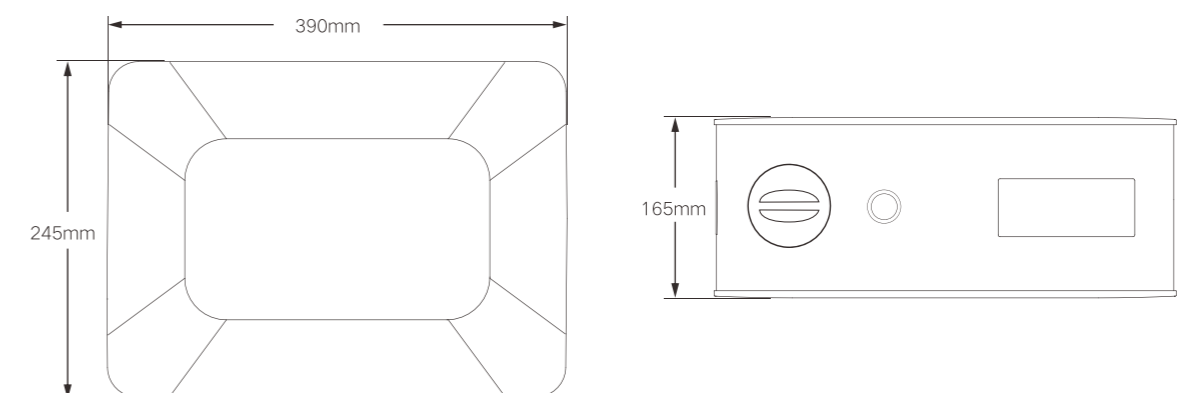
Performance Curve



Performance Parameters

Model	Voltage	Power	Rated flow	Rated head	Max.flow	Max.head
	V	W	m³/h	m	m³/h	m
MASTER 400	220	400	2	20	3.6	37
MASTER 600	220	600	2	30	4	55

Product Dimensions



MISTER

Domestic Micro Booster Pump



Model Meaning



Applications

- Water supply and pressure boosting for household water heaters, faucets, showers, wall-hung boilers and washing machines.

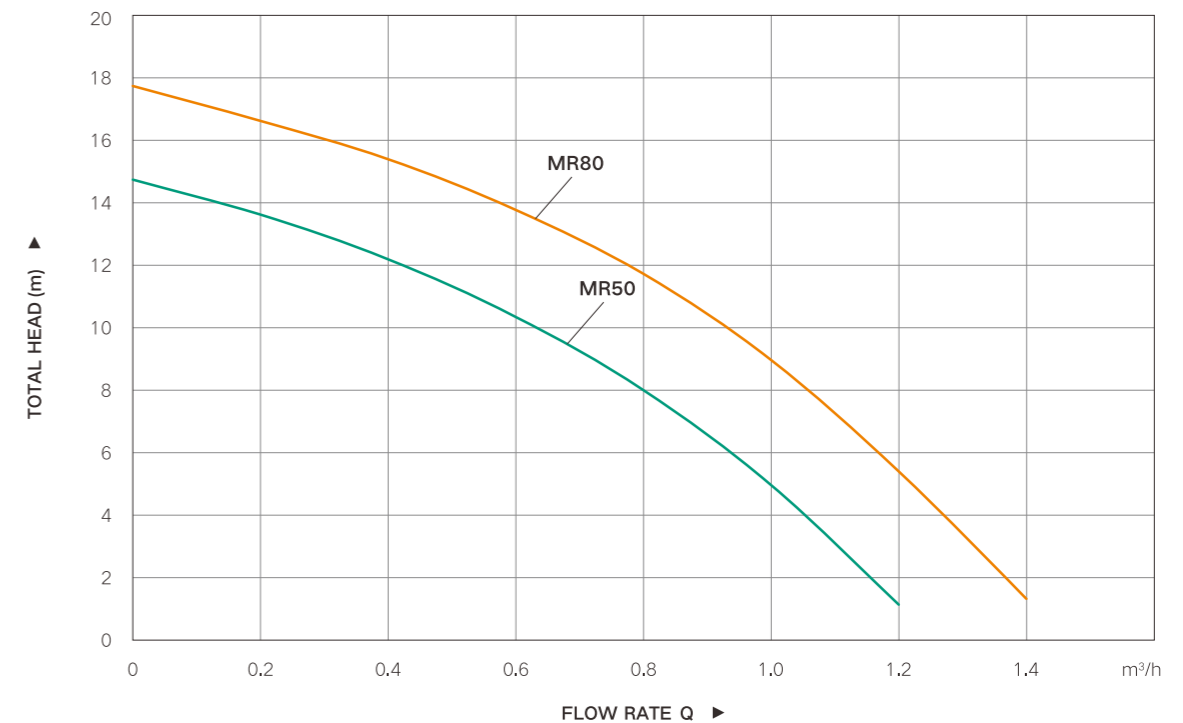
Working Conditions

- Voltage: 24V (DC)
- Max. flow rate: 21 l/min
- Max head: 16m
- Liquid temperature: $\leq 75^{\circ}\text{C}$
- Material: engineering plastic
- Protection class: IP68
- Working decibel: $\leq 50\text{dB}$
- Service life: 20000H
- Inlet: G1/2
- Outlet: G1/2

Advantages & Features

- High reliability: adopts DC brushless motor, longer life.
- Astonishing performance: maintenance-free, small body, strong anti-interference performance, stable operation, high efficiency and low consumption.
- Safe and water-proof: the stator and motor circuit board are potted with epoxy resin and completely isolated from the rotor. It ensures high waterproof performance.
- Low failure rates: solves problems from the source such as jam up, suddenly stop working and other troubles.
- Multi-protections: water shortage protection, dry running protection, jam up protection and other functions for option.
- Wear-resistant: uses high-performance ceramic shaft, high precision and better wear resistance.
- Automatic start-stop system: the flow sensor switch can start or stop automatically according to your water needs.

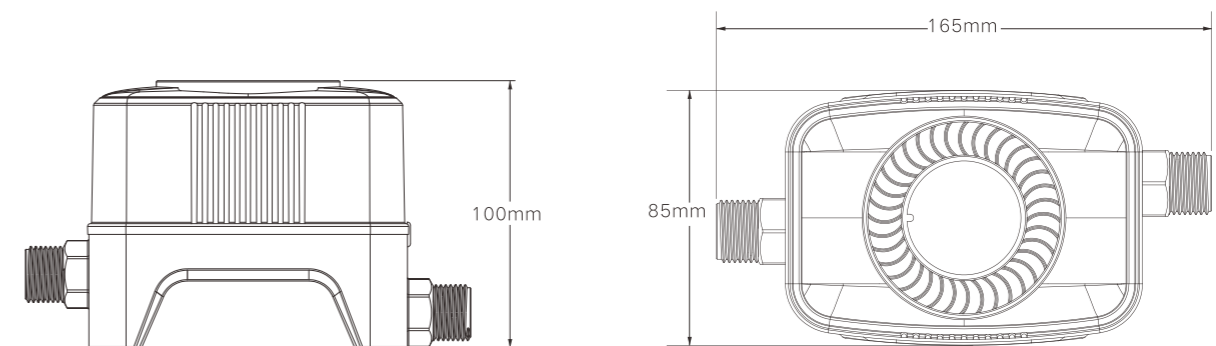
Performance Curve



Performance Parameters

Model	Voltage	Power	Rated flow	Rated head	Max.flow	Max.head
	V	W	m³/h	m	m³/h	m
MR80	24	80	0.8	11	1.3	16
MR50	24	50	0.8	5.0	0.9	11

Product Dimensions



TW

Auto Peripheral Pump



Stainless Steel Inset (optional)



Clean water

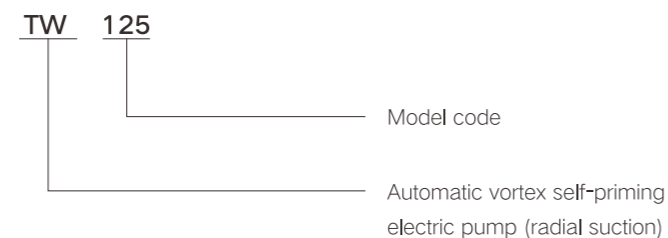


Civil use



Agricultural use

Model Meaning



Advantages & Features

- Thicker electrophoretic rust-proof layer on overflow parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Advanced triple technology structure design to reduce noise
- Vortex type fast self-priming for energy saving
- Brass impeller to prevent rust

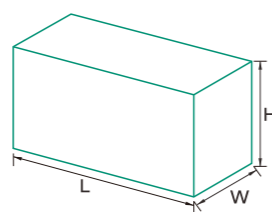
Applications

- This series of product is used for domestic water supply, equipment matching, pipeline pressurization, garden irrigation, vegetable greenhouse watering, water supply for enterprises and high-rise buildings.

Working Conditions

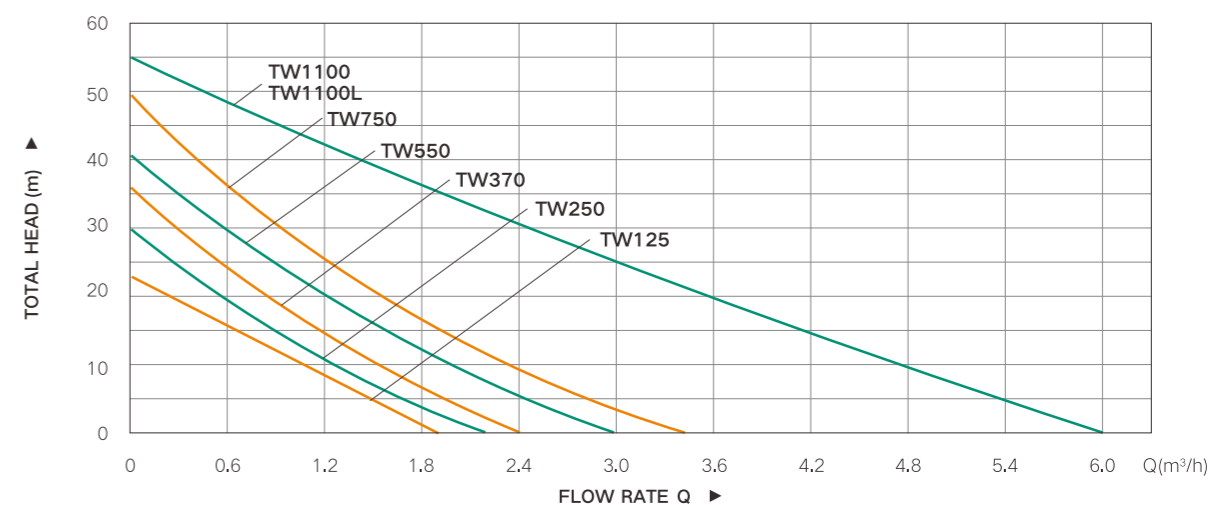
- Transport clean water and other viscous, non-corrosive liquid, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a PH between 6.5-8.5
- Ambient temperature should not exceed 40°C
- The medium temperature of ordinary self-priming pump is +4°C~+60°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
TW125	27.9	23.9	31
TW250	27.9	23.9	31
TW370	27.9	23.9	31
TW550	29.5	24.3	34.3
TW750	29.5	24.3	34.3
TW1100	35	25	36
TW1100L	53	33.5	67

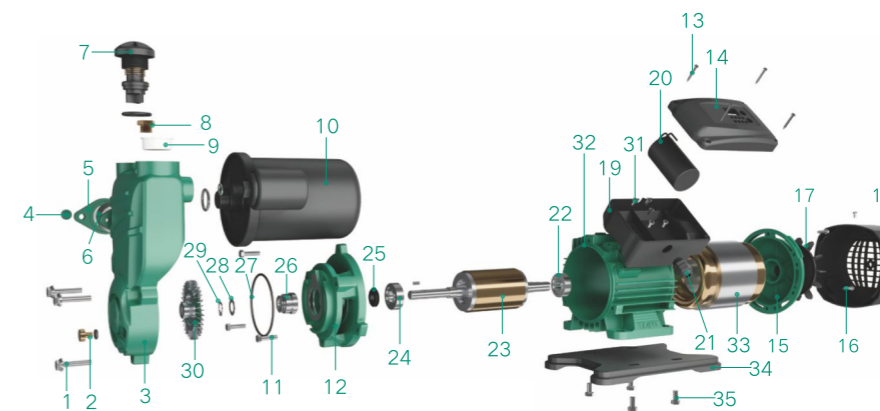
Performance Curve



Performance Parameters

Model	Max.flow	Max.head	Power	Voltage	Max.suct	Inlet/Outlet	Rotating speed
	m³/h	m	kW	V	m	In	rpm
TW125	2	24	0.125	220	8	1"x1"	2850
TW250	2.2	30	0.25	220	8	1"x1"	2850
TW370	2.4	36	0.37	220	8	1"x1"	2850
TW550	3	42	0.55	220	8	1"x1"	2850
TW750	3.4	50	0.75	220	8	1"x1"	2850
TW1100	6	55	1.1	220	8	1.5"x1.5"	2850
TW1100L	6	55	1.1	220	8	1.5"x1.5"	2850

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	8	Air bolt	15	Motor end cover	22	Upper bearing	29	Locking ring
2	Air screw	9	Dust cover	16	Screw	23	Rotor	30	Impeller
3	Pump body	10	Pressure tank	17	Fan	24	Bearing	31	Bolt
4	Hexagon flange screw	11	Screw	18	Fan cover	25	Water washer	32	Motor body
5	Inlet flange	12	Motor front cover	19	Terminal box	26	Mechanical seal	33	Stator
6	Rubber valve	13	Screw	20	Capacitor	27	O-Ring	34	Bottom plate
7	Check valve assembly	14	Terminal box cover	21	Cable Jacket	28	Flat washer	35	Hexagon head bolt



TWE

Auto Peripheral Pump



Stainless Steel Inset (optional)



Clean water

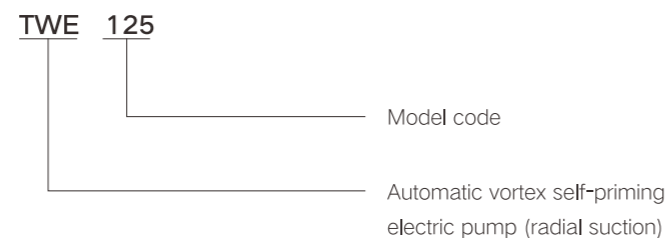


Civil use



Agricultural use

Model Meaning



Advantages & Features

- Thicker electrophoretic rust-proof layer on overflow parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Advanced triple technology structure design to reduce noise
- Imported chips for more stable and intelligent operation
- Double control, full function, more intelligent
- Unique humanized pressure debugging design
- Vortex type fast self-priming super power saving
- Brass impeller for anti-rust

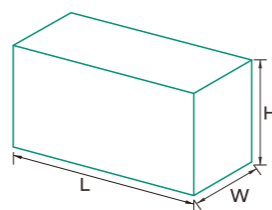
Applications

- This series of product is used for domestic water supply, equipment matching, pipeline pressurization, garden irrigation, vegetable greenhouse watering, water supply for enterprises and high-rise buildings.

Working Conditions

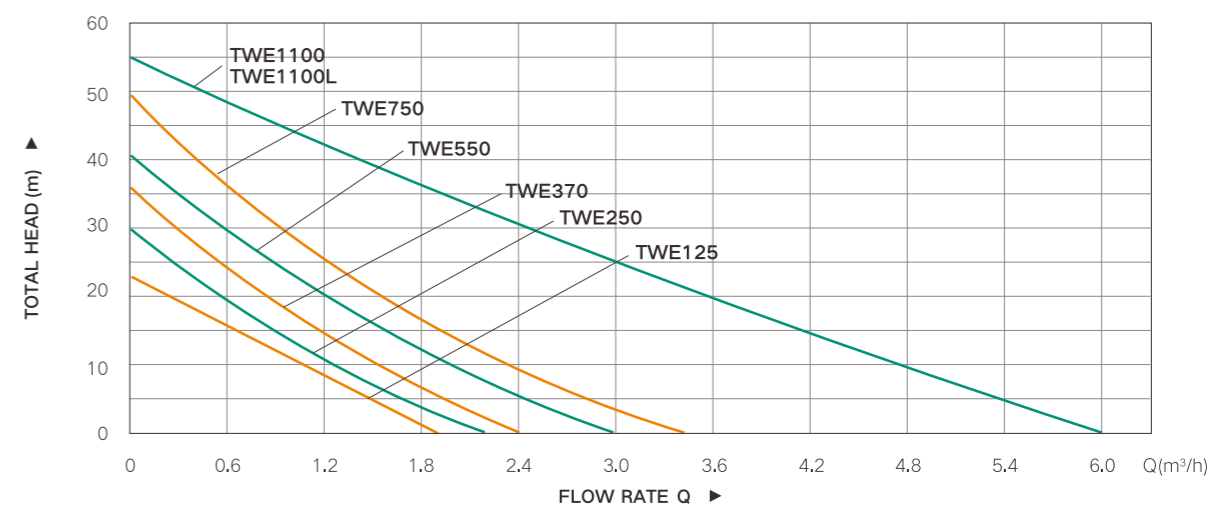
- Transport clean water and other viscous, non-corrosive liquid, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a PH between 6.5-8.5
- Ambient temperature should not exceed 40°C
- The medium temperature of ordinary self-priming pump is +4°C~+60°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

Package Dimensions



Model	L cm	W cm	H cm
TWE125	27.9	23.9	31
TWE250	27.9	23.9	31
TWE370	27.9	23.9	31
TWE550	29.5	24.3	34.3
TWE750	29.5	24.3	34.3
TWE1100	35	25	36
TWE1100L	53	33.5	67

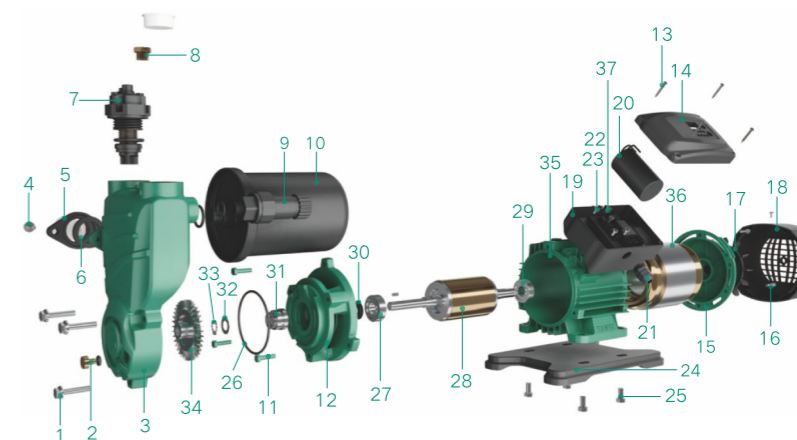
Performance Curve



Performance Parameters

Model	Max.flow	Max.head	Power	Voltage	Max.suct	Inlet/Outlet	Rotating speed
	m³/h	m	kW	V	m	In	rpm
TWE125	2	24	0.125	220	8	1"x1"	2850
TWE250	2.2	30	0.25	220	8	1"x1"	2850
TWE370	2.4	36	0.37	220	8	1"x1"	2850
TWE550	3	42	0.55	220	8	1"x1"	2850
TWE750	3.4	50	0.75	220	8	1"x1"	2850
TWE1100	6	55	1.1	220	8	1.5"x1.5"	2850
TWE1100L	6	55	1.1	220	8	1.5"x1.5"	2850

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	9	Pressure sensor	17	Fan	25	Hexagon head bolt	33	Locking ring
2	Air screw	10	Pressure tank	18	Fan cover	26	O-ring	34	Impeller
3	Pump body	11	Screw	19	Terminal box	27	Upper bearing	35	Motor body
4	Hexagon flange screw	12	Motor front cover	20	Capacitor	28	Rotor	36	Stator
5	Inlet flange	13	Screw	21	Cable jacket	29	Lower bearing	37	Control board
6	Rubber valve	14	Terminal box cover	22	Ground screw	30	Water washer		
7	Flow switch	15	Motor end cover	23	Blot	31	Mechanical seal		
8	Air bolt	16	Screw	24	Bottom plate	32	Flat washer		

TWF

Auto Peripheral Pump



Stainless Steel Inset (optional)



Clean water

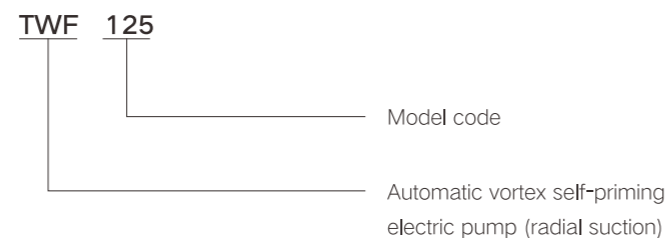


Civil use



Agricultural use

Model Meaning



Advantages & Features

- Thicker electrophoretic rust-proof layer on overflow parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Advanced triple technology structure design to reduce noise
- Imported chips for more stable and intelligent operation
- Pressure sensor configuration, user-free debugging
- Intelligent digital display, easy to operate
- Vortex type fast self-priming super power saving
- Brass impeller for anti-rust

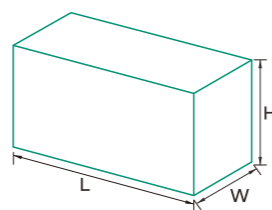
Applications

- This series of product is used for domestic water supply, equipment matching, pipeline pressurization, garden irrigation, vegetable greenhouse watering, water supply for enterprises and high-rise buildings.

Working Conditions

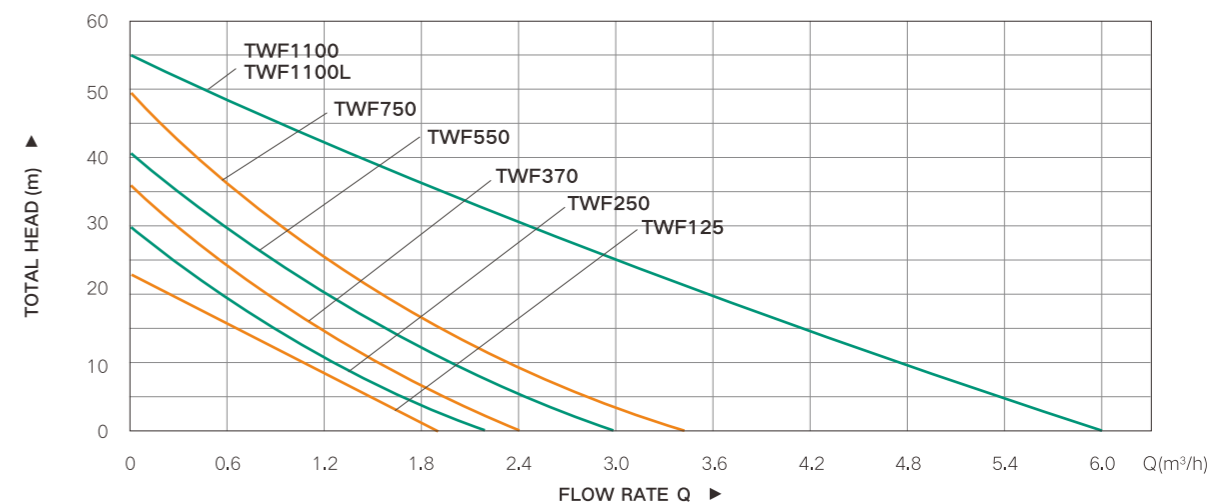
- Transport clean water and other viscous, non-corrosive liquid, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a PH between 6.5-8.5
- Ambient temperature should not exceed 40°C
- The medium temperature of ordinary self-priming pump is +4°C~+60°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
TWF125	27.9	23.9	31
TWF250	27.9	23.9	31
TWF370	27.9	23.9	31
TWF550	29.5	24.3	34.3
TWF750	29.5	24.3	34.3
TWF1100	35	25	36
TWF1100L	53	33.5	67

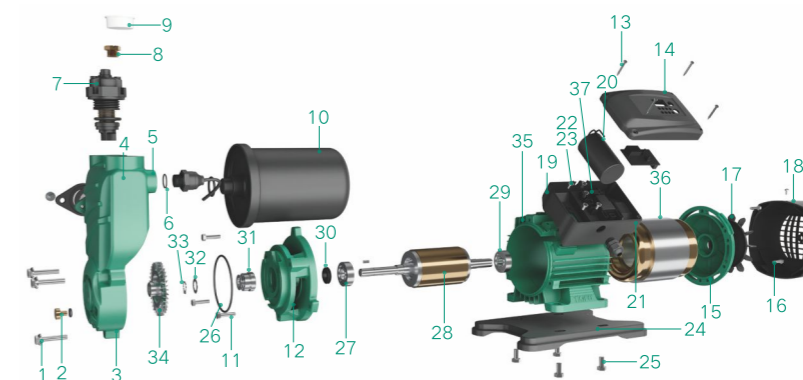
Performance Curve



Performance Parameters

Model	Max.flow	Max.head	Power	Voltage	Max.suct	Inlet/Outlet	Rotating speed
	m³/h	m	kW	V	m	In	rpm
TWF125	2	24	0.125	220	8	1"x1"	2850
TWF250	2.2	30	0.25	220	8	1"x1"	2850
TWF370	2.4	36	0.37	220	8	1"x1"	2850
TWF550	3	42	0.55	220	8	1"x1"	2850
TWF750	3.4	50	0.75	220	8	1"x1"	2850
TWF1100	6	55	1.1	220	8	1.5"x1.5"	2850
TWF1100L	6	55	1.1	220	8	1.5"x1.5"	2850

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	9	Water washer	17	Fan	25	Hexagon head bolt	33	Locking ring
2	Air screw	10	Dust cover	18	Fan cover	26	O-ring	34	Impeller
3	Pump body	11	Screw	19	Terminal box	27	Upper bearing	35	Motor body
4	Hexagon flange screw	12	Motor front cover	20	Capacitor	28	Rotor	36	Stator
5	Inlet flange	13	Motor body	21	Cable jacket	29	Lower bearing	37	Control board
6	Rubber valve	14	Terminal box cover	22	Ground screw	30	Water washer		
7	Flow switch	15	Motor end cover	23	Blot	31	Mechanical seal		
8	Air bolt	16	Screw	24	Bottom plate	32	Flat washer		

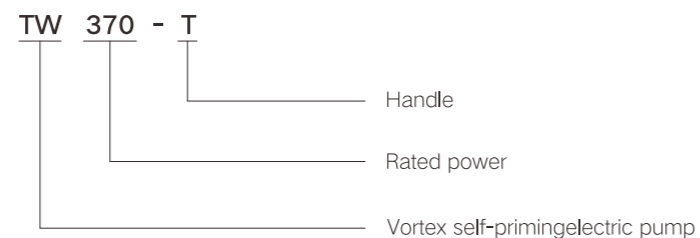
TW-T

Peripheral Pump



Stainless Steel Inset (optional)

Model Meaning



Advantages & Features

- Thicker electrophoretic rust-proof layer on overflow parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Carrying handle configuration, easy to carry
- Brass impeller to prevent rust

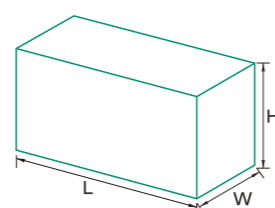
Applications

- This series of product is used for domestic water supply, equipment matching, pipeline pressurization, garden irrigation, vegetable greenhouse watering, water supply for enterprises and high-rise buildings.

Working Conditions

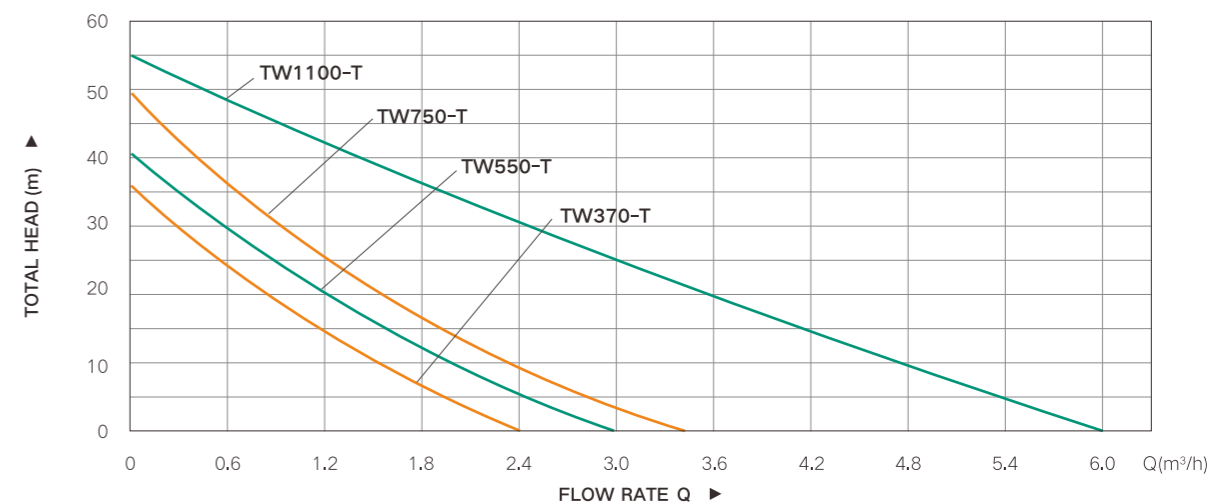
- Transport clean water and other viscous, non-corrosive liquid, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a pH between 6.5-8.5
- Ambient temperature should not exceed 40°C
- The medium temperature of ordinary self-priming pump is +4°C~+60°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
TW370-T	27.9	23.9	31
TW550-T	29.5	24.3	34.3
TW750-T	29.5	24.3	34.3
TW1100-T	35	25	36

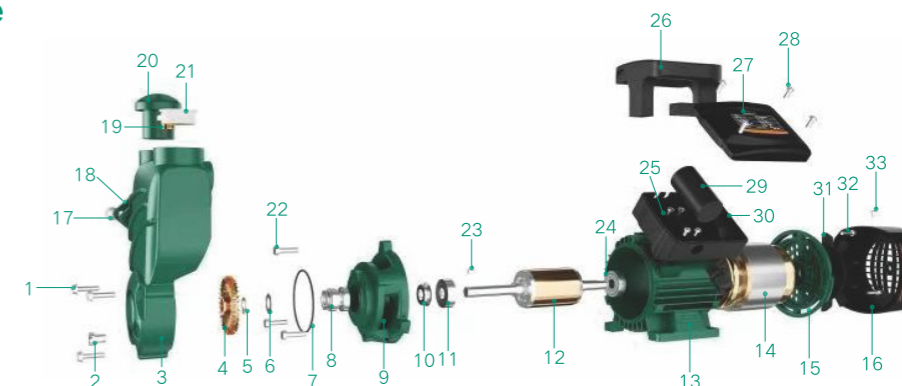
Performance Curve



Performance Parameters

Model	Max.flow	Max.head	Power	Voltage	Max.suct	Inlet/Outlet	Rotating speed
	m³/h	m	kW	V	m	In	rpm
TW370-T	2.4	36	0.37	220	8	1"x1"	2850
TW550-T	3	42	0.55	220	8	1"x1"	2850
TW750-T	3.4	50	0.75	220	8	1"x1"	2850
TW1100-T	6	55	1.1	220	8	1.5"x1.5"	2850

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	8	Mechanical seal	15	Motor end cover	22	Screw	29	Capacitor
2	Air screw	9	Motor front cover	16	Fan cover	23	Flat key	30	Terminal box
3	Pump body	10	Water washer	17	Hexagon flange screw	24	Lower bearing	31	Fan
4	Impeller	11	Upper bearing	18	Inlet flange	25	Terminal box	32	Screw
5	Locking ring	12	Rotor	19	Bolt	26	Handle	33	Wind cover screw
6	Flat washer	13	Motor body	20	Bolt	27	Terminal box cover		
7	O-ring	14	Stator	21	Dust cap	28	Stainless steel self-tapping screws		



Clean water



Civil use



Agricultural use



QB

Peripheral Pump



Stainless Steel Inset (optional)



QB60



QB60-ECO



Clean water

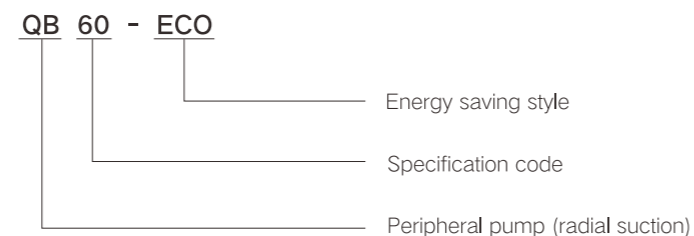


Civil use



Agricultural use

Model Meaning



Advantages & Features

- Thicker electrophoretic rust-proof layer on overflow parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Brass impeller to prevent rust and seizure
- Stable water output and low noise operation
- Built-in protection device to prevent the motor from burning out
- Centerless grinding process of the rotor, more durable

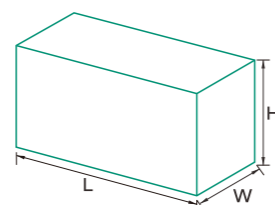
Applications

- This series of products is used for domestic water supply, pipeline pressurization, garden irrigation.

Working Conditions

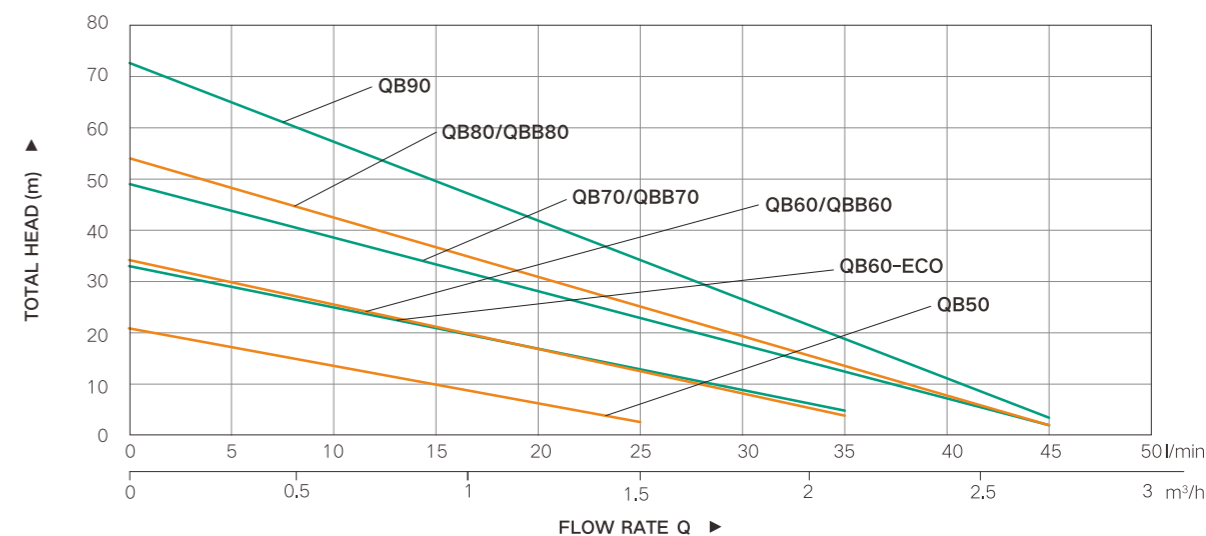
- Transport clean water and other viscous, non-corrosive liquids, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a PH between 6.5-8.5
- The medium temperature of ordinary self-priming pump is +4°C~+40°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
QB50	26	16	17.5
QB60-ECO	23.5	13.5	17
QB70-ECO	32	17.5	22
QB80-ECO	32	17.5	22
QB60/QBB60	27.5	13.5	17
QB70/QBB70	32	17.5	22
QB90	29	29	29

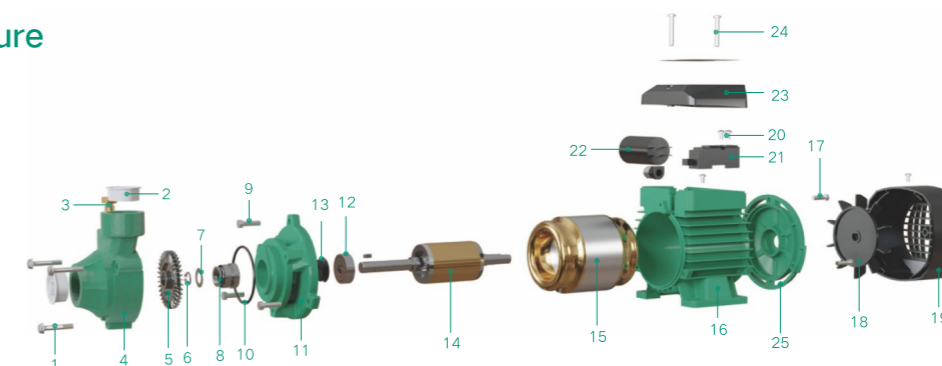
Performance Curve



Performance Parameters

Model	Power		Inlet/Outlet	Max.suct	Max.flow	Q(m³/h)	H(m)																
	kW	HP	In	m	l/min	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7							
QB50	0.22	0.3	1"x1"	8	25		20	17	15	10	5	2	-	-	-	-							
QB60-ECO	0.37	0.5	1"x1"	8	35		32	27	25	18	14	11	5	2	-	-							
QB70-ECO	0.55	0.75	1"x1"	8	45		45	44	40	37	31	20	16	13	2.5	-							
QB80-ECO	0.75	1	1"x1"	8	45		53	45	44	37	27	20	16	13	4	2							
QB60/QBB60	0.37	0.5	1"x1"	8	35		35	27	25	18	14	11	5	2	-	-							
QB70/QBB70	0.55	0.75	1"x1"	8	45		45	44	40	37	31	20	16	13	2.5	-							
QB80/QBB80	0.75	1	1"x1"	8	45		53	45	44	37	27	20	16	13	4	2							
QB90	0.9	1.2	1"x1"	8	45		75	65	60	49	35	30	22	18	12	9							

Product Structure

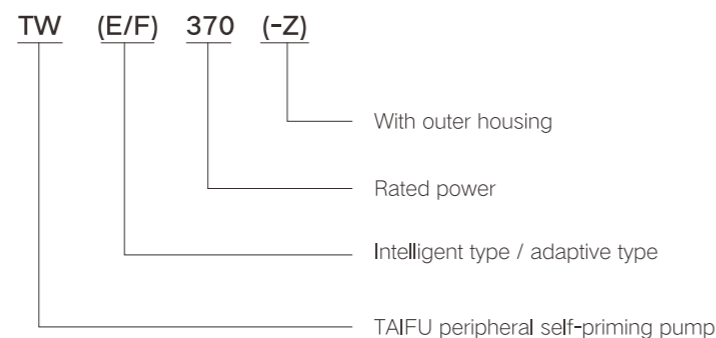


NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	6	Locking ring	11	Motor front cover	16	Motor body	21	Circuit board
2	Dust cover	7	Flat washer	12	Upper bearing	17	Screw	22	Capacitor
3	Air bolt	8	Mechanical seal	13	Water washer	18	Fan	23	Terminal box
4	Pump body	9	Screw	14	Rotor	19	Fan cover	24	Screw
5	Impeller	10	O-ring	15	Coil	20	Ground screw	25	Motor end cover

TW-Z

Peripheral Self-priming Pump

Model Meaning



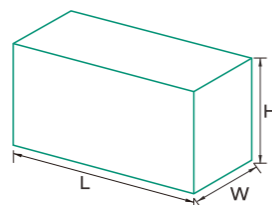
Advantages & Features

- Fully enclosed, air-cooled, squirrel cage motor
- Working mode: S1
- Protection class: IP54
- Insulation class: F
- Standard voltage: single phase 220V/50Hz
- Equipped with a built-in thermal overload protector
- Outer housing all-packed structure, household & simplicity
- Small and easy installation, silence

Working Conditions

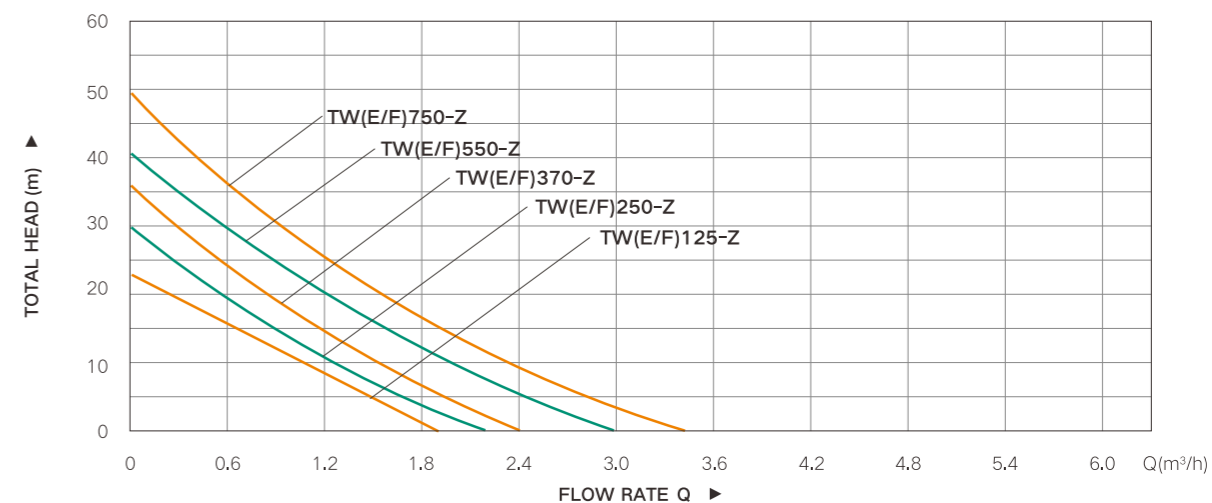
- The volume ratio of solid impurities in the conveyed medium does not exceed 0.1%, and the particle size is not more than 0.2mm
- Medium temperature range: 0°C~60°C
- Ambient temperature: -15°C~+40°C
- PH range: 6.5~8.5
- Maximum working pressure: 10bar
- Maximum inlet pressure: limited by the maximum working pressure

Package Dimensions



Model	L	W	H
	cm	cm	cm
TW(E/F)125-Z	29	23.5	27
TW(E/F)250-Z	29	23.5	27
TW(E/F)370-Z	29	23.5	27

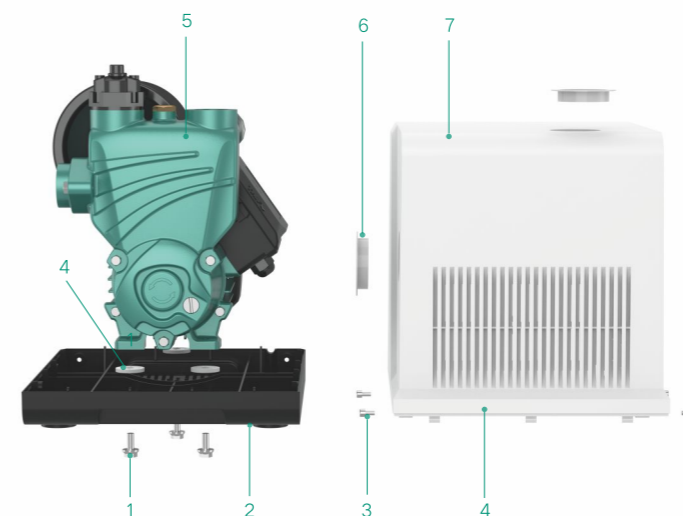
Performance Curve



Performance Parameters

Model	Max.flow	Max.head	Power	Voltage	Max.suct	Inlet/Outlet	Rotating speed
	m³/h	m	kW	V	m	In	rpm
TW(E/F)125-Z	2	24	0.125	220	8	1"x1"	2850
TW(E/F)250-Z	2.2	30	0.25	220	8	1"x1"	2850
TW(E/F)370-Z	2.4	36	0.37	220	8	1"x1"	2850
TW(E/F)550-Z	3	42	0.55	220	8	1"x1"	2850
TW(E/F)750-Z	3.4	50	0.75	220	8	1"x1"	2850

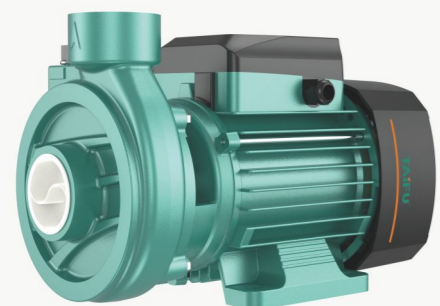
Product Structure



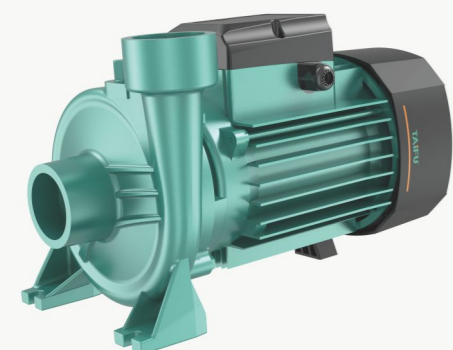
NO.	Part
1	Base screw
2	Base board
3	Nut
4	Adjusting pad
5	Peripheral pump
6	Dust cover
7	Housing cover

DK

Centrifugal Pump



1DK/1.5DK



2DK
Patent NO: ZI201930457453.0

- Farmland irrigation
- landscape irrigation
- Vegetable greenhouse water supply
- Aquaculture water supply and drainage
- Household water pressure

Model Meaning



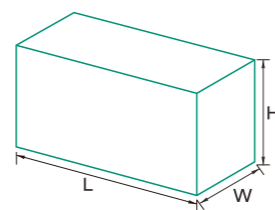
Advantages & Features

- PPO diffusers and impellers, water proof, deformation& high temperature resistant, no secondary pollution of water.
- Spiral flow path pump body design, more efficient.
- Turned graphite to ceramic mechanical seal, longer service life.
- The motor and pump are coaxially designed and stainless steel welded shaft for good rigidity and smooth running.
- Electrophoresis treatment of pump body and pump cover flow path parts, rust-resistant.
- The whole pump is compact, light and easy to install.
- F grade copper enameled wire, built-in thermal protection device.

Working Conditions

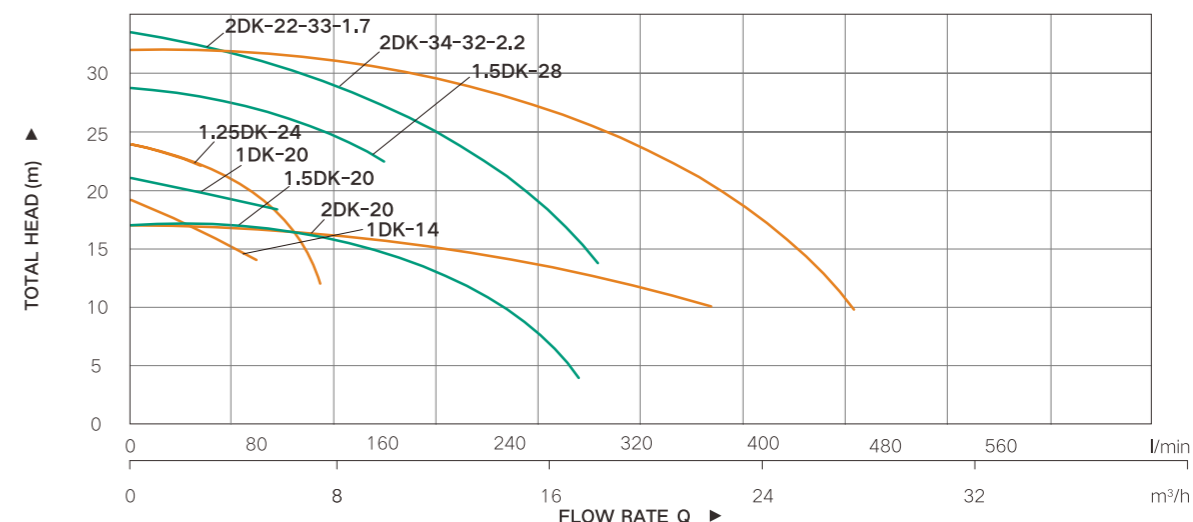
- The medium temperature does not exceed +40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities is not more than 0.1%, and the particle size is not more than 0.2mm
- The voltage fluctuation range is ± 10% of the rated value

Package Dimensions



Model	L	W	H
	cm	cm	cm
1DK-14	28,5	15	20,5
1DK-20	32	17	22,7
1.25DK-24	33,5	19	23,5
1.5DK-20	32	17	22,7
1.5DK-28	33	33	33
2DK-20	41,5	22,5	26,5
2DK-22-33-1.7	44	24	26
2DK-34-32-2.2	44	24	26

Performance Curve



Performance Parameters

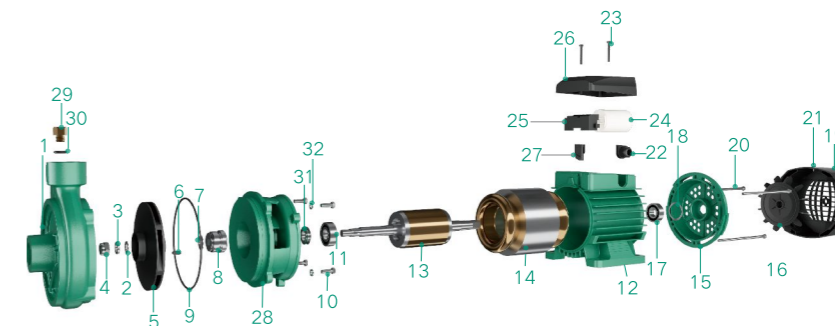
Model	Power		Inlet/Outlet In	Max.suct m	Max.flow l/min	Q(m³/h) Q(l/min)	0	1	2	3	4	5	6	7	
	kW	HP					0	17	33	50	67	83	100	117	
1DK-14	0.37	0.5	1"x1"	8	100	H(m)	19.2	18	17.5	16.8	16	15	14		
1DK-20	0.55	0.75	1"x1"	8	117		21	20	19.8	19.7	19.5	19.3	18.9	18.5	

Model	Power		Inlet/Outlet In	Max.suct m	Max.flow l/min	Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27
	kW	HP					0	50	100	150	200	250	300	350	400	450
1.25DK-24	0.75	1.0	1.25"x1.25"	8	150	H(m)	24	22.7	19	12						
1.5DK-20	0.75	1.0	1.5"x1.5"	8	350		17	17.2	16.5	16	14.3	11.8	8.5	4		
1.5DK-28	1.1	1.5	1.5"x1.25"	8	200		28.8	28	27	25.2	22.5					
2DK-20	1.1	1.5	2"x2"	8	450		17	16.7	16.5	16.3	15.8	14.9	13.9	12.9	11.2	10

Model	Power		Inlet/Outlet In	Max.suct m	Max.flow l/min	Q(m³/h) Q(l/min)	0	4	8	12	16	20	22	24	28	32	34
	kW	HP					0	67	133	200	267	333	367	400	467	533	567
2DK-22-33-1.7	1.7	2.3	2"x2"	8	367	H(m)	33	32	30	27.2	23.3	17.7	13.7				
2DK-34-32-2.2	2.2	3.0	2"x2"	8	467		32	31.7	28	27.5	27	26.2	25.2	24	22.5		

Product Structure

NO.	Part
1	Pump body
2	Gasket
3	Spring washer
4	Lock nut
5	Impeller
6	Shaft key
7	Flat gasket
8	Mechanical seal
9	O-ring
10	Bolt
11	Bearing
12	Motor body
13	Rotor
14	Stator
15	Motor end cover
16	Fan



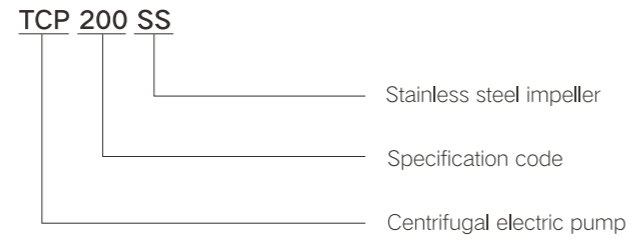
NO.	Part	NO.	Part	NO.	Part	NO.	Part
17	Bearing	21	Screw	25	Terminal block	29	Air screw
18	Spring washer	22	Cable sheath	26	Terminal box	30	O-ring
19	Fan cover	23	Screw	27	Cable plug	31	Water retaining ring
20	Bolt	24	Capacitor	28	Motor front cover	32	Gasket

TCP

Centrifugal Pump

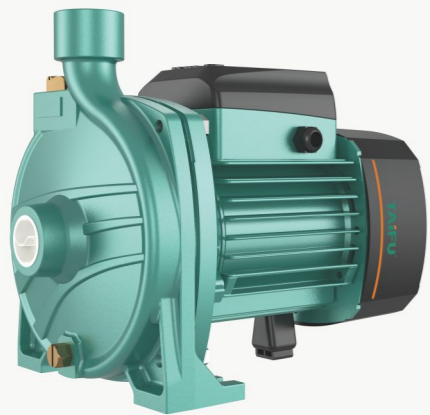


Model Meaning



Advantages & Features

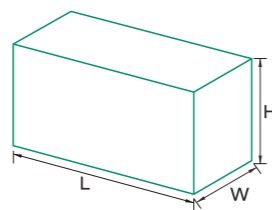
- Spiral flow channel pump body design, higher efficiency.
- Different materials impellers for choosing: copper, stainless steel, plastic, more clean.
- Carbon/Ceramic mechanical seal, longer service life.
- Coaxial design of motor and pump, more stable operation.
- The pump is compact, light and easy to install.



Working Conditions

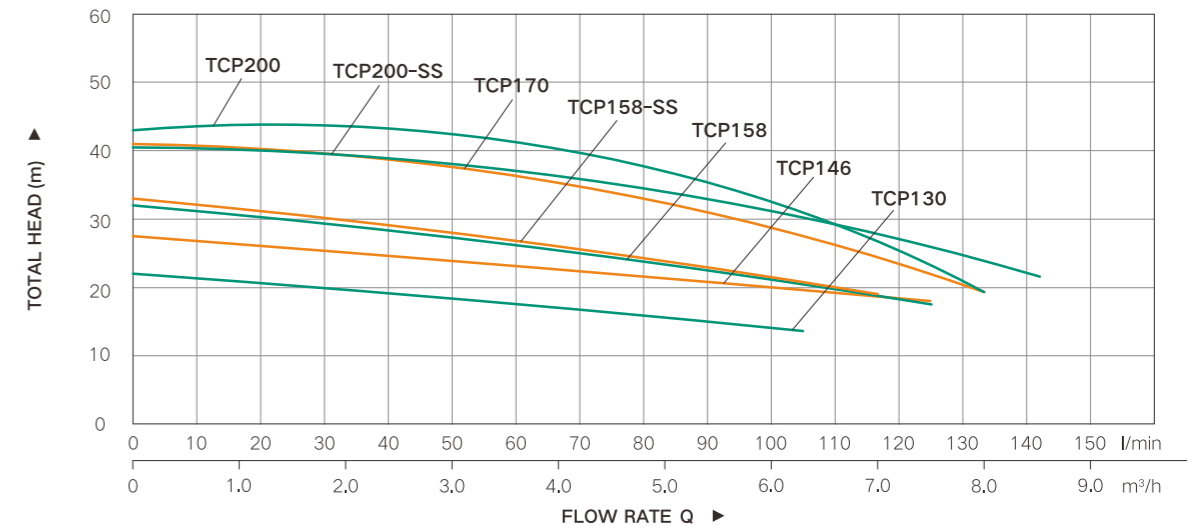
- Ambient temperature is -5°C~+40°C
- Medium temperature 0°C~+40°C
- The pH of the medium is between 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value

Package Dimensions



Model	L	W	H
	cm	cm	cm
TCP130	29	19	13.8
TCP146	32.8	20.5	27.5
TCP158	32.8	20.5	27.5
TCP170	39	23.5	30
TCP200	39	23.5	30
TCP158-SS	32.8	20.5	27.5
TCP200-SS	39	23.5	30

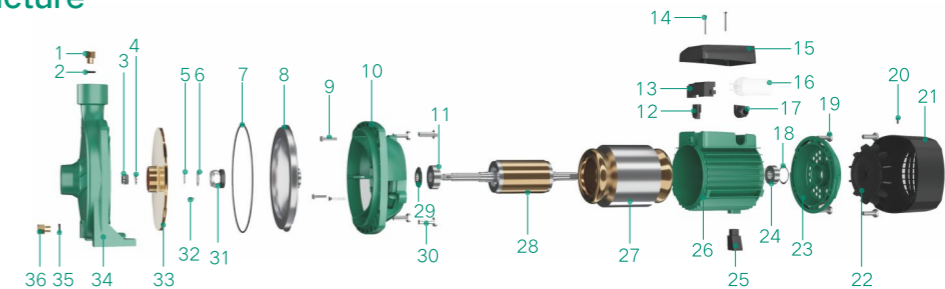
Performance Curve



Performance Parameters

Model	Power		Inlet/Outlet	Max.suct	Max.flow	Max.head	Q(m³/h)															
	kW	HP					0	1	2	3	4	5	6	6.3	7	7.5	8	8.5				
TCP130	0.37	0.5	1"x1"	8	105	22	22	20	19	17.8	17	15.7	14.2	13.6								
TCP146	0.55	0.75	1"x1"	8	125	27.5	27.5	25.4	24	23	22.6	21.6	20.5	19.4	19	18						
TCP158	0.75	1.0	1"x1"	8	125	32	32	29.7	28	27	25.4	24.2	22.5	21.3	20	17.5						
TCP170	1.1	1.5	1"x1"	8	133	41	41	39	38	36.8	36	34.7	33.6	31.8	31.5	29.2	19.3					
TCP200	1.5	2.0	1"x1"	8	133	43	43	41.5	40	38.8	38	37	35.7	34	33.6	31.2	19.3					
TCP158-SS	0.75	1.0	1"x1"	8	117	33	33	31	29.5	27.5	26	24.5	22	21	19							
TCP200-SS	1.5	2.0	1.25"x1"	8	141	40.5	40.5	39	37.4	36	35	34	32.7	32.1	31.8	31.4	31	21.5				

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	9	Screw	17	Cable sheath	25	Foot	33	Impeller
2	O-ring	10	Motor front cover	18	Spring washer	26	Motor body	34	Pump body
3	Locknut	11	Bearing	19	Screw	27	Stator	35	O-ring
4	Gasket	12	Plug	20	Bolt	28	Rotor	36	Screw
5	Locking ring	13	Terminal block	21	Fan cover	29	Water washer		
6	Shaft key	14	Bolt	22	Fan	30	Screw		
7	O-ring	15	Terminal box	23	Motor end cover	31	Mechanical seal		
8	Dam-board	16	Capicito	24	Bearing	32	Flat gasket		

- Domestic water supply
- Equipment matching
- Pipeline pressurization
- Garden watering
- Vegetable greenhouse watering
- Engineering construction



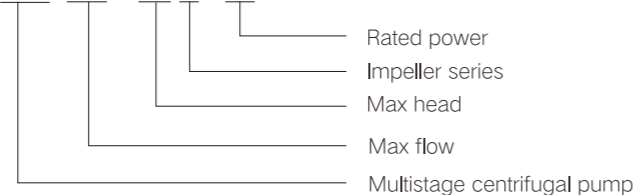
TCM

Multistage Centrifugal Pump



Model Meaning

TCM 5.4 - 60/8 - 0.8



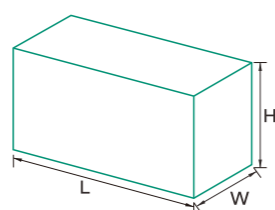
Advantages & Features

- PPO diffusers and impellers, water proof, deformation&high temperature resistant, no secondary pollution of water.
- Turned graphite to ceramic mechanical seal, longer service life.
- The motor and pump are coaxially designed with cold drawn stainless steel for good rigidity and smooth running.
- The whole pump is compact, light and easy to install.
- Electrophoresis treatment of pump body and pump cover flow path parts, rust-resistant.
- F grade copper enameled wire, built-in thermal protection device.

Working Conditions

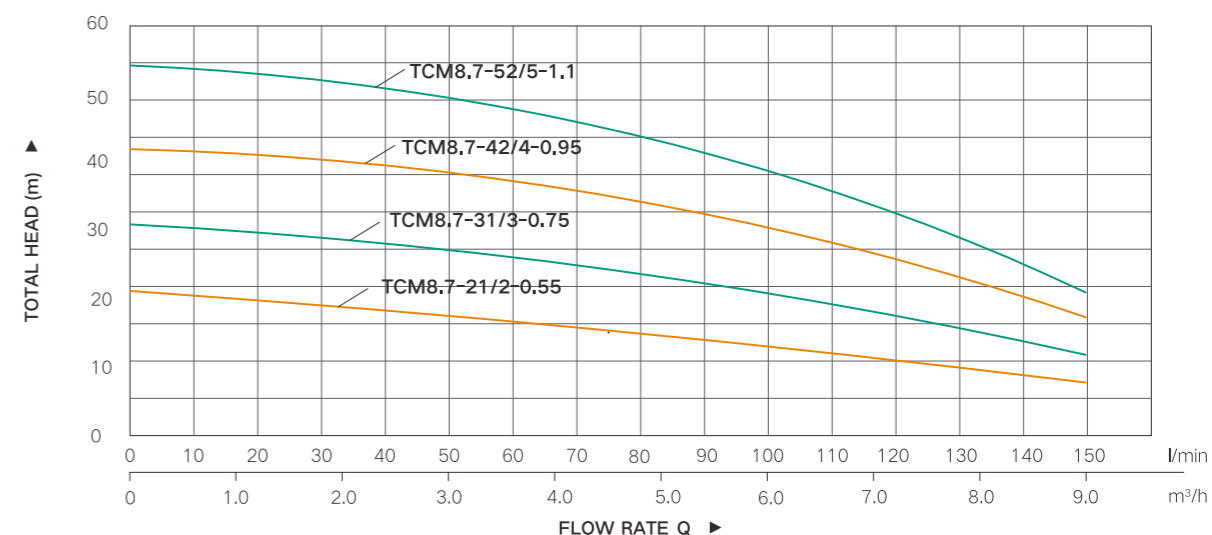
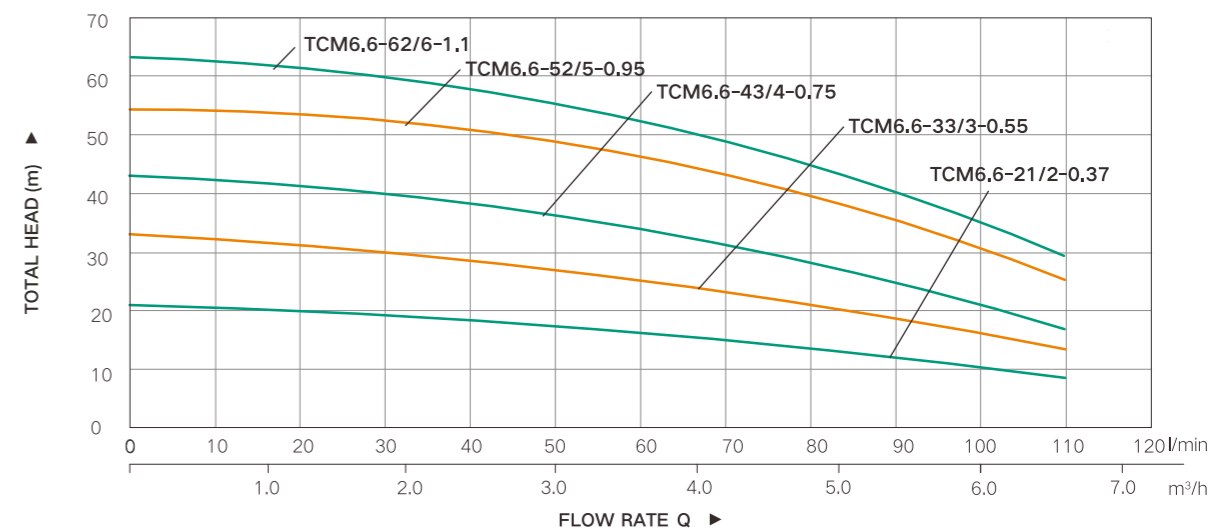
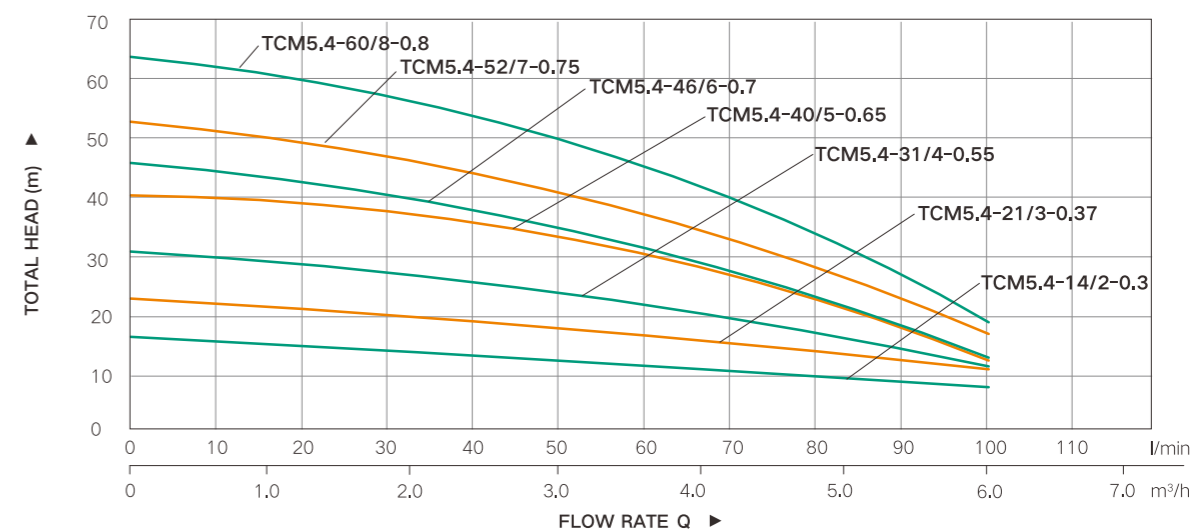
- Ambient temperature is -5°C~+40°C
- Medium temperature 0°C~+40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value.

Package Dimensions



Model	L	W	H
	cm	cm	cm
TCM5.4-14/2-0.3	42	18	21.5
TCM5.4-21/3-0.37	42	18	21.5
TCM5.4-31/4-0.55	47	18	21.5
TCM5.4-40/5-0.65	47	18	21.5
TCM5.4-46/6-0.7	52	18.5	21.5
TCM5.4-52/7-0.75	53	18.5	21.5
TCM5.4-60/6-0.8	55.7	18	21.5
TCM6.6-21/2-0.37	49.5	20.5	26
TCM6.6-33/3-0.55	51.5	20.5	26
TCM6.6-43/4-0.75	52.5	20.5	26
TCM6.6-52/5-0.95	55	20.5	26
TCM6.6-62/6-1.1	58.5	20.5	26
TCM8.7-21/2-0.55	41	20.5	26
TCM8.7-31/3-0.75	44	20.5	26
TCM8.7-42/4-0.95	47	20.5	26
TCM8.7-52/5-1.1	55	20.5	26

Performance Curve



- Residential buildings, hospitals, hotels, office buildings
- Industrial circulation systems
- Processing systems
- Air conditioning unit circulation
- Cooling water delivery



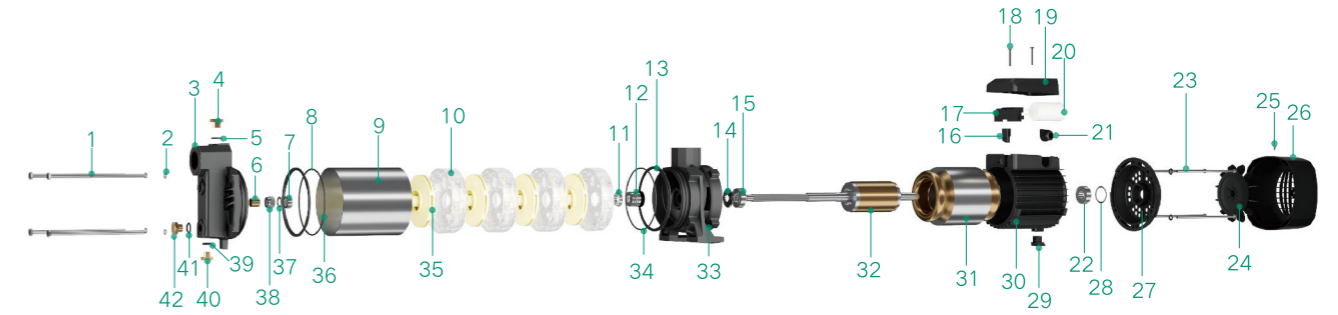
Performance Parameters

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	1	2	3	4	5	6
	kW	HP			0	17	33	50	67	83	100
TCM5,4-14/2-0.3	0.3	0.4	1"x1"	H(m)	16.5	15	14.5	12.5	10.2	8.8	8
TCM5,4-21/3-0.37	0.37	0.5	1"x1"		23	21.5	19.8	18	15.5	13	11
TCM5,4-31/4-0.55	0.55	0.75	1"x1"		31	28.8	26.8	24	20	16	11.5
TCM5,4-40/5-0.65	0.65	0.85	1"x1"		40.5	39.5	37.3	33.5	27.8	22	12.5
TCM5,4-46/6-0.7	0.7	0.95	1"x1"		46	43.5	39	35	28.5	23	13
TCM5,4-52/7-0.75	0.75	1	1"x1"		53	50	45.5	41	34.5	26.3	17
TCM5,4-60/8-0.8	0.8	1.1	1"x1"		64	62	57	50	42	27	19

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	1	2	3	4	5	6	7
	kW	HP			0	17	33	50	67	83	100	117
TCM6,6-21/2-0.37	0.37	0.5	1.25"x1"	H(m)	21	20	19	17.5	16	14.5	10.7	7.5
TCM6,6-33/3-0.55	0.55	0.75	1.25"x1"		33	31.5	30	27	24	21	16.5	11.5
TCM6,6-43/4-0.75	0.75	1.0	1.25"x1"		43	41.5	39.5	36.5	33	29	24	15
TCM6,6-52/5-0.95	0.95	1.3	1.25"x1"		54	53	51.5	49	44.5	39	32	23
TCM6,6-62/6-1.1	1.1	1.5	1.25"x1"		63.5	61.5	59.5	56	51	45.5	38.5	27.3

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	1	2	3	4	5	6	7	8	9
	kW	HP			0	17	33	50	67	83	100	117	133	150
TCM8,7-21/2-0.55	0.55	0.75	1.25"x1"	H(m)	21	19.5	17.5	18	17	16	15	13	11	8.3
TCM8,7-31/3-0.75	0.75	1.0	1.25"x1"		31	29	28.5	27.5	26	24	22	19	16	12
TCM8,7-42/4-0.95	0.95	1.3	1.25"x1"		42	40	39	38	36	33	30	26	24	17
TCM8,7-52/5-1.1	1.1	1.5	1.25"x1"		54	52.5	51	49	46.5	43	39	34	29	22

Product Structure

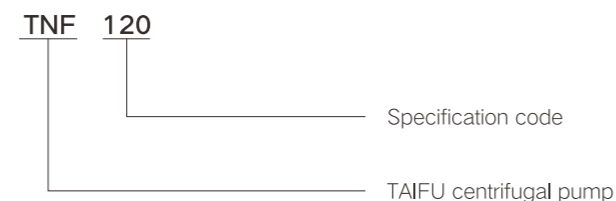


NO.	Part	NO.	Part	NO.	Part
1	Screw	15	Bearing	29	Foot
2	Gasket	16	Plug	30	Motor body
3	Pump body	17	Terminal block	31	Stator
4	Screw	18	Bolt	32	Rotor
5	O-ring	19	Terminal box	33	Motor front cover
6	Brass bearing case	20	Capacitor	34	O-ring
7	S/S bearing case	21	Cable sheath	35	Impeller
8	Seal gasket	22	Bearing	36	O-ring
9	Pump barrel	23	Screw	37	Gasket
10	Diffusor	24	Fan	38	Nut
11	Brass bearing case	25	Bolt	39	O-ring
12	Mechanical seal	26	Fan cover	40	Screw
13	Seal gasket	27	Motor end cover	41	O-ring
14	Water washer	28	Spring washer	42	Screw

TNF

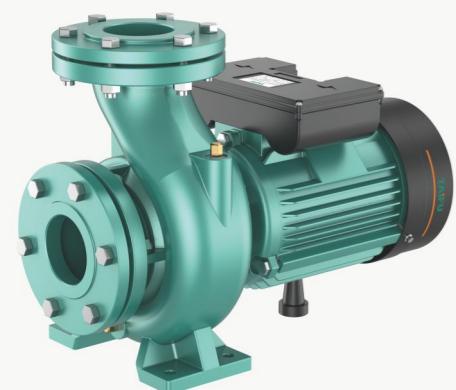
Centrifugal Pump

Model Meaning



Advantages & Features

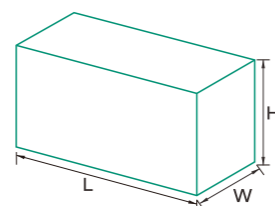
- Spiral flow path pump body design, more efficient.
- Turned graphite to ceramic mechanical seal, longer service life.
- The motor and pump are coaxially designed and stainless steel welded shaft for good rigidity and smooth running.
- The whole pump is compact, light and easy to install.
- Electrophoresis treatment of pump body and pump cover flow path parts, rust-resistant.
- F grade copper enameled wire, built-in thermal protection device.



Working Conditions

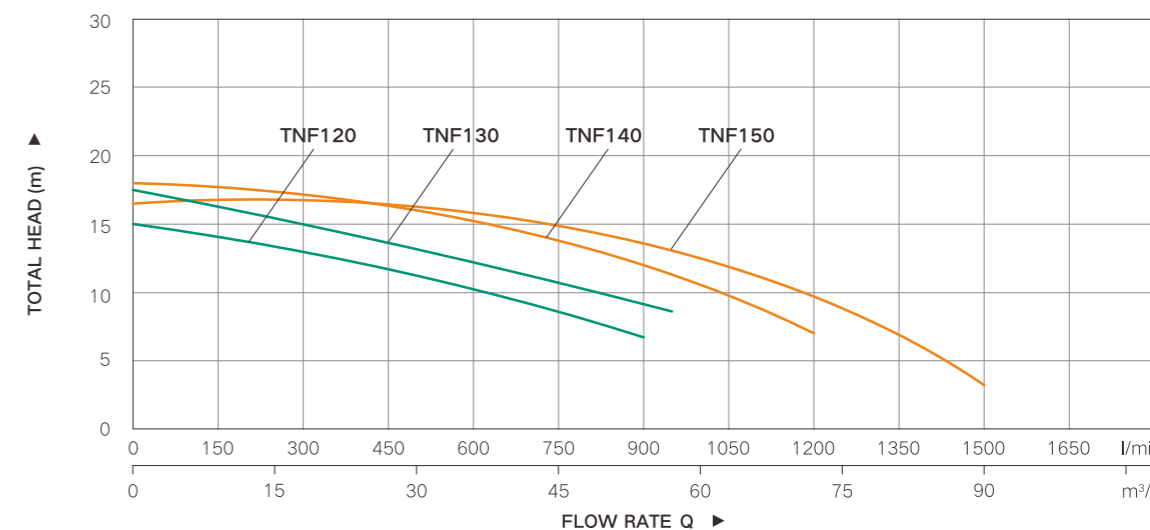
- Ambient temperature is -5°C-+40°C
- Medium temperature 0°C-+40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value

Package Dimensions



Model	L	W	H
	cm	cm	cm
TNF120	46.5	26	30
TNF130	46.5	26	30
TNF140	50.5	25	33.5
TNF150	57	32	40

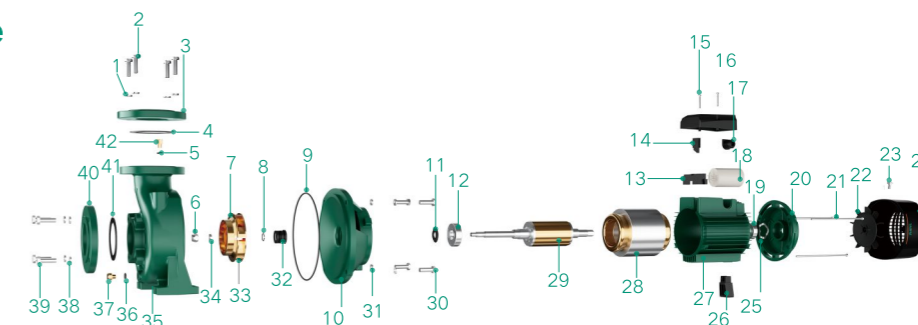
Performance Curve



Performance Parameters

Model	Power		Max.flow	Max.head	Max.suct	Inlet/Outlet
	kW	HP	l/min	m	m	In
TNF120	1.5	2.0	900	15	7	3"x3"
TNF130	2.2	3.0	1000	17.5	7	3"x3"
TNF140	3.0	4.0	1200	18	7	4"x4"
TNF150	4.0	5.5	1500	16.5	7	4"x4"

Product Structure

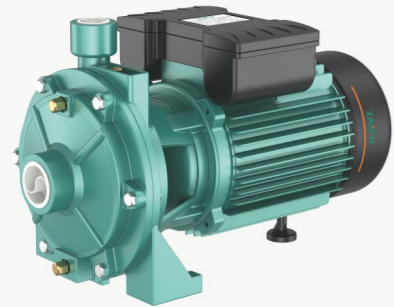


NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Washer	10	Motor front cover	19	Lower Bearing	28	Stator	37	Screw
2	Screw	11	Water washer	20	Motor end cover	29	Rotor	38	Washer
3	Outlet flange	12	Bearing	21	Screw	30	Screw	39	Screw
4	Outlet flange seal	13	Terminal block	22	Fan	31	Washer	40	Inlet flange
5	O-ring	14	Plug	23	Screw	32	Mechanical seal	41	Inlet flange seal
6	Locknut	15	Bolt	24	Fan cover	33	Shaft key	42	Screw
7	Impeller	16	Terminal box	25	Spring washer	34	Washer		
8	Locking ring	17	Cable sheath	26	Motor foot	35	Pump body		
9	O-ring	18	Capacitor	27	Motor body	36	O-ring		

- Domestic water supply
- Equipment matching
- Pipeline pressurization
- Garden watering
- Vegetable greenhouse watering
- Engineering construction

2TCP

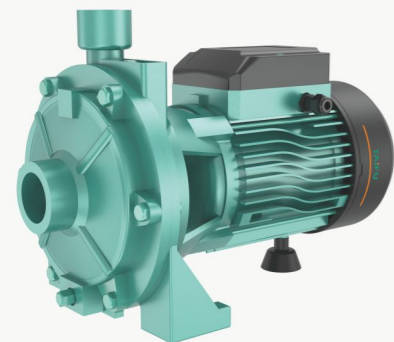
Double Brass Impellers Pump



2TCP25/160A



THF6B-4



2TCP25/140M
2TCP25/160B

- Farmland irrigation
- landscape irrigation
- Vegetable greenhouse water supply
- Aquaculture water supply and drainage
- Household water pressure

Model Meaning



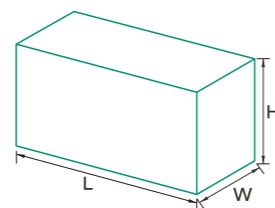
Advantages & Features

- Spiral flow path pump body design, more efficient.
- Centrifugal double brass impellers structure, no secondary pollution of water.
- Turned graphite to ceramic mechanical seal, longer service life.
- The motor and pump are coaxially designed and stainless steel welded shaft for good rigidity and smooth running.
- The whole pump is compact, light and easy to install.
- Electrophoresis treatment of pump body and pump cover flow path parts, rust-resistant.
- F grade copper enameled wire, built-in thermal protection device.

Working Conditions

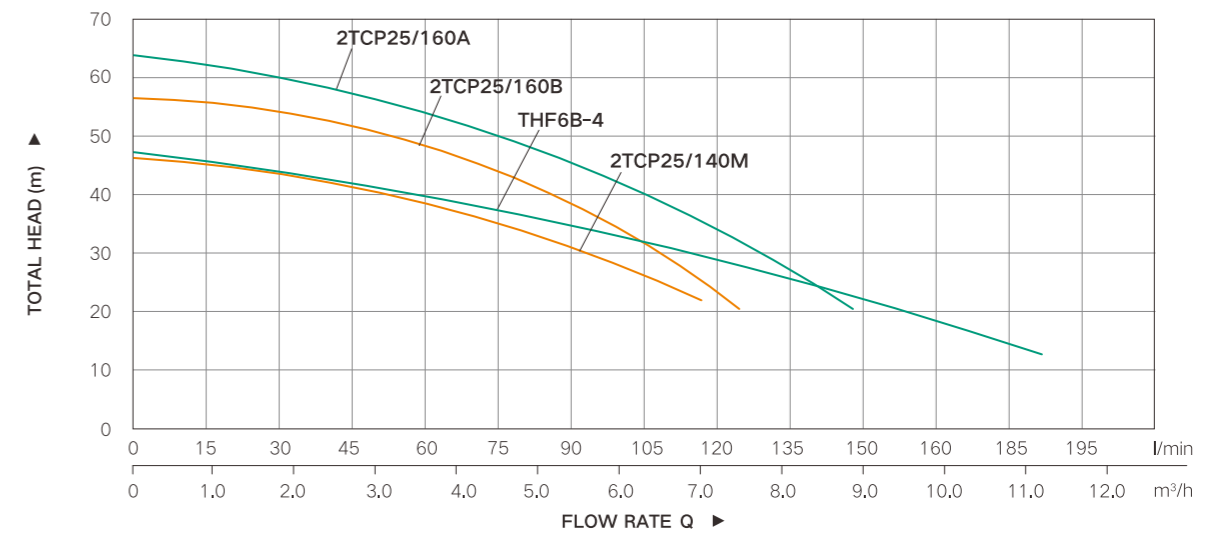
- Ambient temperature is -5°C-+40°C
- Medium temperature 0°C-+40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value

Package Dimensions



Model	L	W	H
	cm	cm	cm
2TCP25/140M	42	25.5	31
2TCP25/160B	42	25.5	31
2TCP25/160A	51.5	25	29.5
THF6B-4	46	23	28

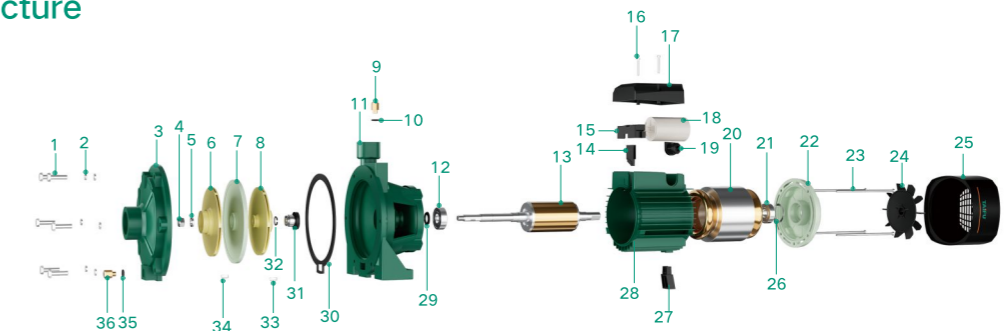
Performance Curve



Performance Parameters

Model	Power		Inlet/Outlet	Q(m³/h)	Q(l/min)														
	kW	HP			0	1	2	3	4	5	6	7	7.5	8	9	9.5	10	11	12
2TCP25/140M	1.1	1.5	1.5"X1"	H(m)	47	46	44.5	43	38.5	34	30.5	26.5	22						
2TCP25/160B	1.5	2.0	1.5"X1"		57.5	56	54	52	48.5	44	38.5	34.5	28	20.5					
2TCP25/160A	2.2	3.0	1.5"X1.25"		65	63	62.5	59.5	56.5	50	46	42	36	32.5	25	20.5			
THF6B-4	1.9	2.5	1.5"X1.5"		48	45.5	43.5	41.8	39.5	37.2	34.5	30.5	30	28	24.5	22.5	21	16.5	12.5

Product Structure



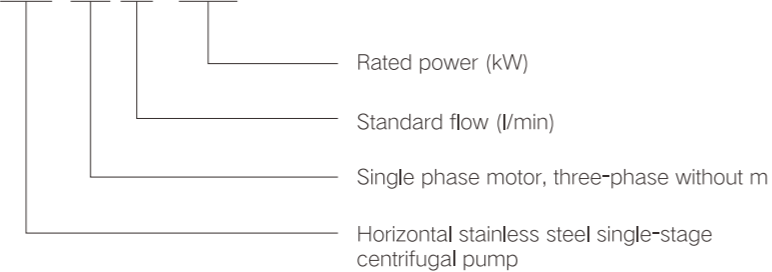
NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	9	Screw	17	Terminal box	25	Fan cover	33	Shaft key
2	Washer	10	O-ring	18	Capacitor	26	Nut	34	Shaft key
3	Pump cover	11	Pump body	19	Cable sheath	27	Motor foot	35	O-ring
4	Locknut	12	Upper Bearing	20	Stator	28	Motor body	36	Screw
5	Washer	13	Rotor	21	Lower Bearing	29	Water washer		
6	Impeller	14	Plug	22	Motor end cover	30	Seal washer		
7	Clapboard	15	Terminal block	23	Screw	31	Mechanical seal		
8	Impeller	16	Bolt	24	Fan	32	Locking ring		

TCB

Horizontal stainless steel
single-stage centrifugal pump

Model Meaning

TCB (m) 70 / 0.75



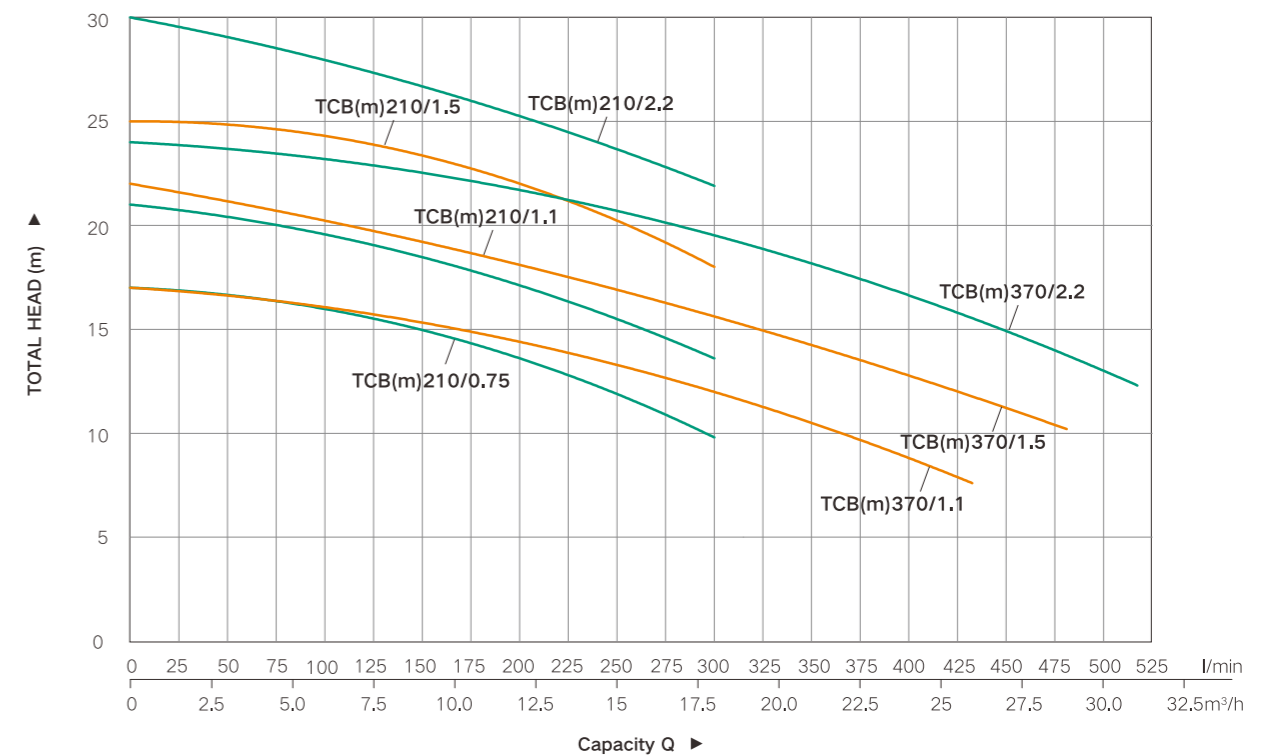
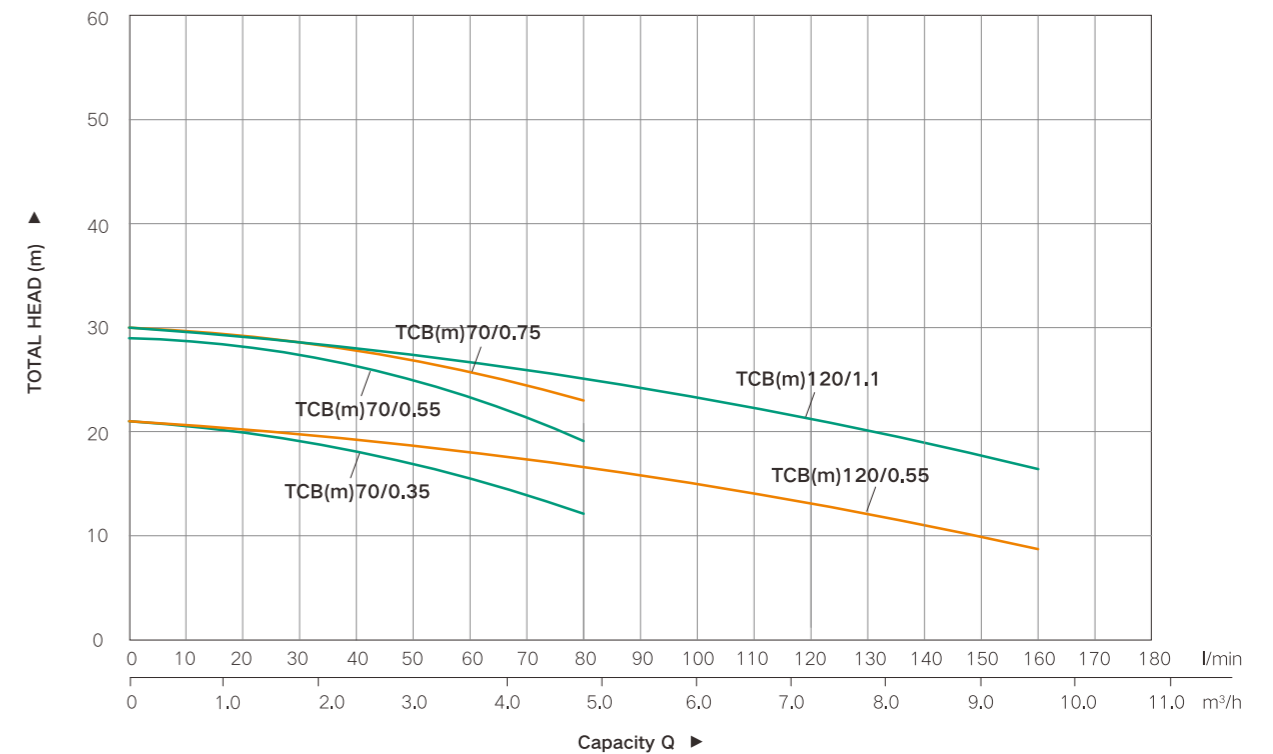
Advantages & Features

- Fully enclosed, air-cooled, squirrel cage motor
- Working mode: S1
- Protection class: IPX4
- Insulation class: F
- Standard voltage: single phase 220V/50Hz, three phase 380V/50Hz
- The single-phase motor is equipped with a built-in thermal overload protector, and the three-phase motor must be connected to the motor starter according to local regulations

Working Conditions

- The medium conveyed must be low viscosity, non-flammable, explosive and vaporized, without solid particles (particle size $\leq 0.2\text{mm}$) and fibers, and the medium cannot have a chemical reaction on the pump material
- When the density of the conveyed medium is bigger than clean water, a big power motor is required
- Medium temperature range: $0^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Maximum ambient temperature: $+40^{\circ}\text{C}$
- Maximum installation height: related to factors such as pump NPSH (cavitation margin), medium temperature, sea level height of installation location, and inlet pipeline loss and so on
- Maximum working pressure: 4.5bar
- Maximum inlet pressure: limited by the maximum working pressure

Performance Curve

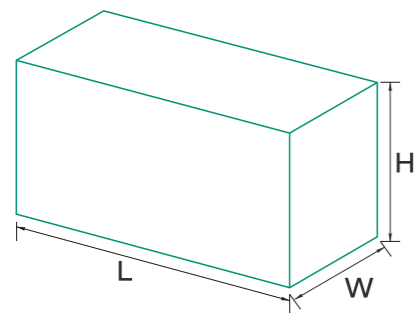


Performance Parameters

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6
	kW	HP			0	30	40	60	80	100	120	140	160
TCB(m)70/0.37	0.37	0.5	1.2"x1"	H(m)	21	19	18.1	15.7	12.1	-	-	-	-
TCB(m)70/0.55	0.55	0.75	1.2"x1"		29	27.3	26.3	23.4	19.1	-	-	-	-
TCB(m)70/0.75	0.75	1.0	1.2"x1"		30	28.5	27.8	26	23	-	-	-	-
TCB(m)120/0.55	0.55	0.75	1.2"x1"		21	-	-	17.9	16.6	15.1	13.3	11.2	8.7
TCB(m)120/1.1	1.1	1.0	1.2"x1"		30	-	-	26.7	25.1	23.3	23.3	19	16.4

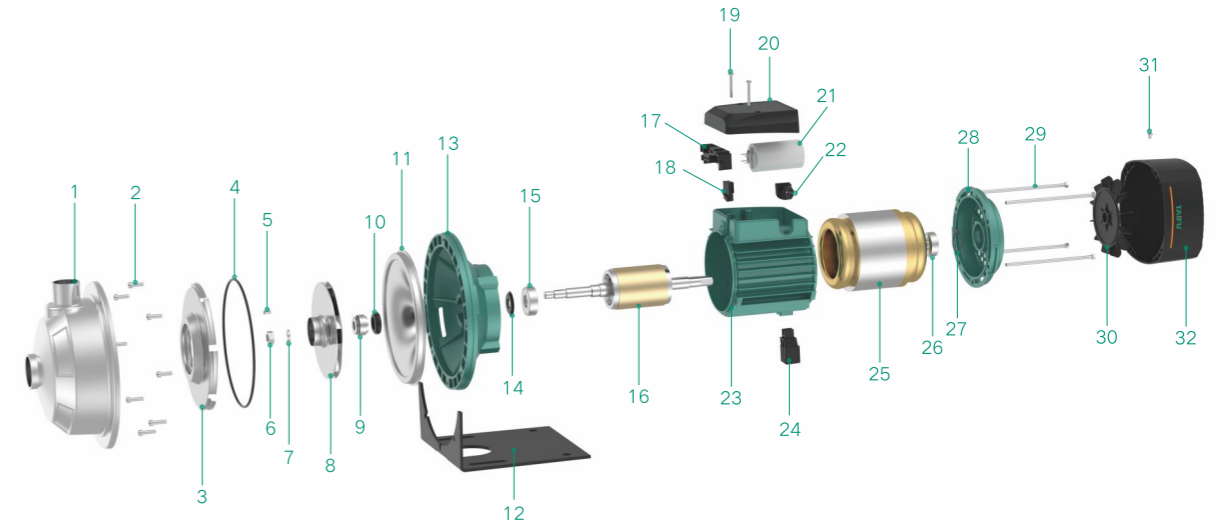
Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	1.8	3.6	6	7.2	8.4	9.6	10.8	12	15	18	21	24	26	29	31
	kW	HP			0	30	60	100	120	140	160	180	200	250	300	350	400	430	480	520
TCB(m)210/0.75	0.75	1.0	1.5"x1.2"	H(m)	17	-	-	-	-	15.2	14.8	14.2	13.6	11.9	9.8	-	-	-	-	-
TCB(m)210/1.1	1.1	1.5	1.5"x1.2"		21	-	-	-	-	18.3	18.0	17.5	17.1	15.6	13.6	-	-	-	-	-
TCB(m)210/1.5	1.5	2.0	1.5"x1.2"		25	-	-	-	-	23.2	22.8	22.4	21.8	20.2	18.0	-	-	-	-	-
TCB(m)210/2.2	2.2	3.0	1.5"x1.2"		30	-	-	-	-	26.5	26.1	25.7	25.2	23.8	21.9	-	-	-	-	-
TCB(m)370/1.1	1.1	1.5	2"x1.2"		17	-	-	-	-	-	14.7	14.4	13.5	12.3	10.8	8.9	7.6	-	-	-
TCB(m)370/1.5	1.5	2.0	2"x1.2"		22	-	-	-	-	-	18.1	17.3	16.3	15.0	13.3	12.3	10.2	-	-	-
TCB(m)370/2.2	2.2	3.0	2"x1.2"	24	-	-	-	-	-	21.7	20.9	20.0	18.8	17.2	16.2	14.2	12.3	-	-	

Package Dimensions



Model	L	W	H
	cm	cm	cm
TCB70/0.37	380	240	284
TCB70/0.55	380	240	284
TCB70/0.75	410	240	284
TCB120/0.55	380	240	284
TCB120/1.1	410	240	284
TCB210/0.75	410	240	284
TCB210/1.1	410	240	284
TCB210/1.5	465	240	284
TCB210/2.2	465	240	284
TCB370/1.1	410	240	284
TCB370/1.5	465	240	284
TCB370/2.2	465	240	284

Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Pump body	12	Base board	23	Motor body
2	Bolt	13	Motor front cover	24	Foot
3	Diffusor	14	Water washer	25	Stator
4	O-ring	15	Bearing	26	Bearing
5	Flat gasket	16	Rotor	27	Spring washer
6	Locknut	17	Terminal block	28	Motor end cover
7	Gasket	18	Cable plug	29	Bolt
8	Impeller	19	Screw	30	Fan
9	Rotating seal ring	20	Terminal box	31	Screw
10	Quiet seal ring	21	Capacitor	32	Fan cover
11	Pump cover	22	Cable sheath		

THF/TGA

Centrifugal Pump



THF5A



THF6B/THF6B-1



THF6B-3

- Farmland irrigation
- landscape irrigation
- Vegetable greenhouse water supply
- Aquaculture water supply and drainage
- Household water pressure

Model Meaning



Application

- Brass impeller
- Crash pad to reduce vibration & anti-noise

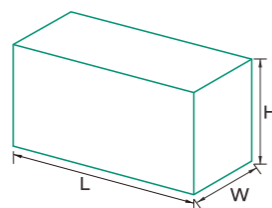
Advantages & Features

- Spiral flow path pump body design, more efficient.
- Turned graphite to ceramic mechanical seal, longer service life.
- The motor and pump are coaxially designed and stainless steel welded shaft for good rigidity and smooth running.
- The whole pump is compact, light and easy to install.
- Electrophoresis treatment of pump body and pump cover flow path parts, rust-resistant.
- F grade copper enameled wire, built-in thermal protection device.

Working Conditions

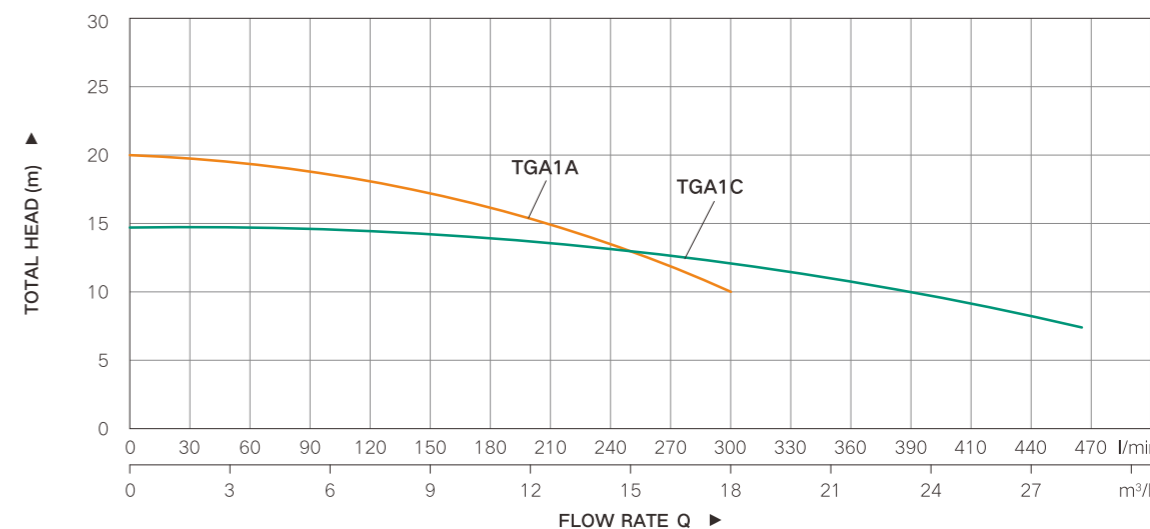
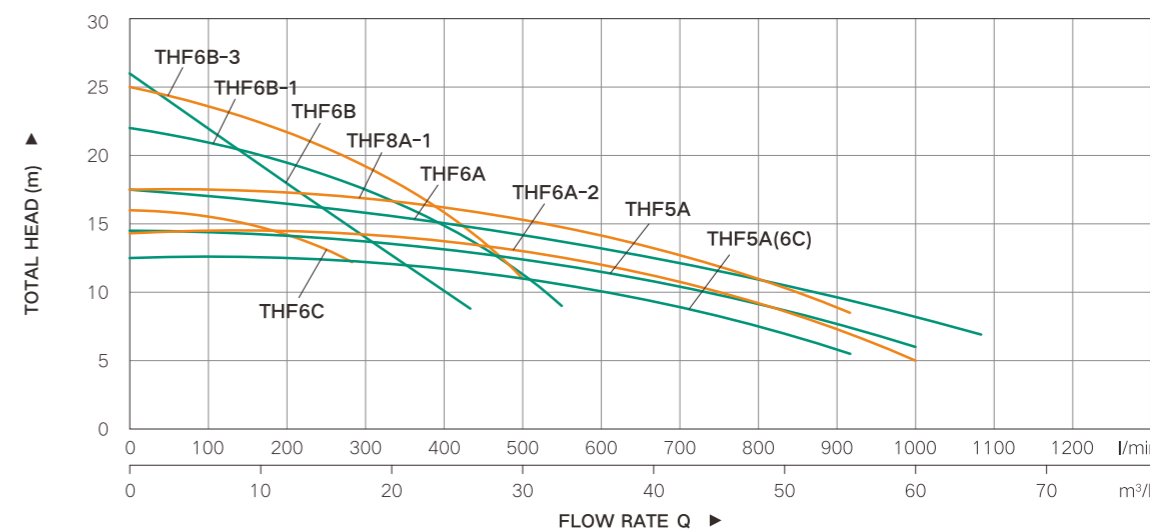
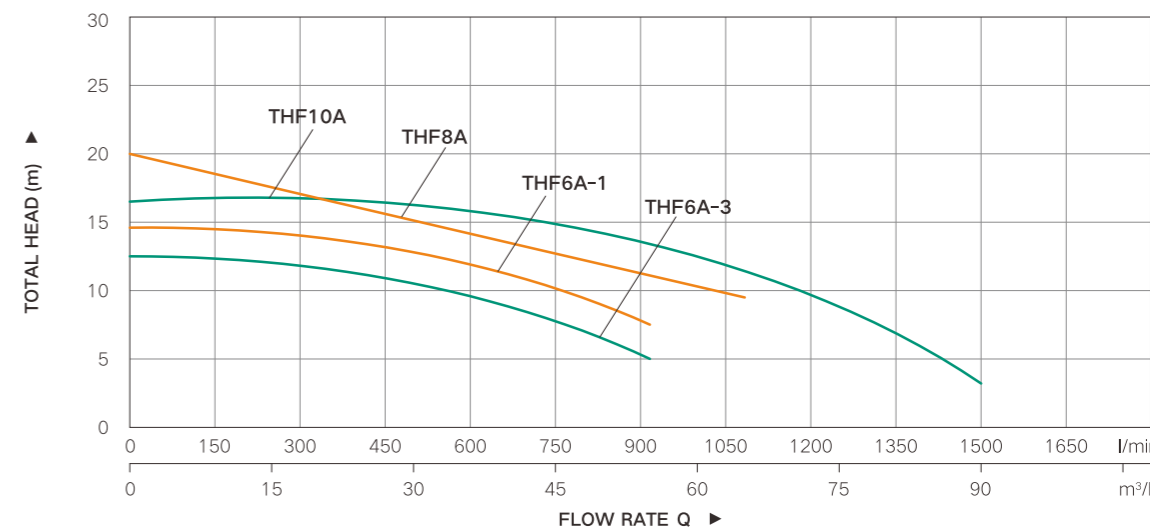
- The medium temperature does not exceed +40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities is not more than 0.1% and the particle size is not more than 0.2mm
- The voltage fluctuation range is ± 10% of the rated value

Package Dimensions



Model	L	W	H
	cm	cm	cm
TGA1A	33.6	22.5	28
TGA1C	37.5	22.3	27
THF6C	42	25.5	31
THF6B	42	25.5	31
THF6B-1	51.5	25	29.5
THF6B-3	46	23	28
THF5A	51.5	25	29.5
THF6A	46	23	28

Performance Curve

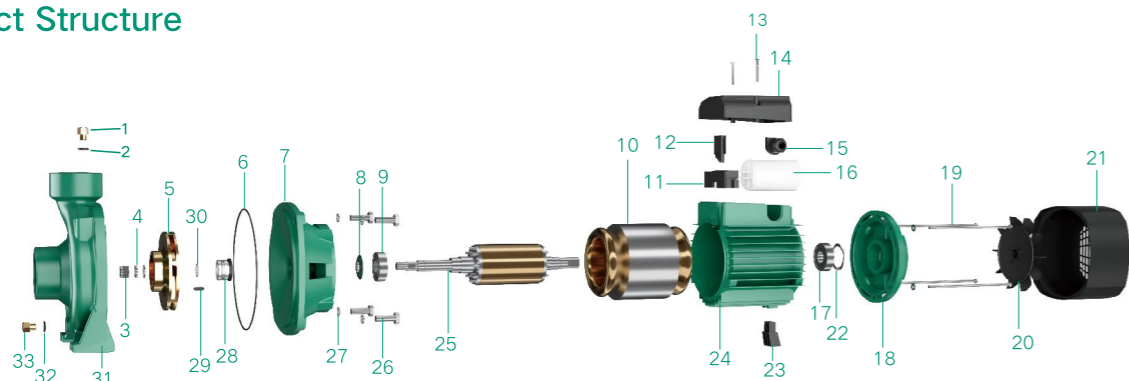


Performance Parameters

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	3	6	9	12	15	17	18	21	24	26	27	28.5	30	33
	kW	HP			0	50	100	150	200	250	283	300	350	400	433	450	475	500	550
THF6C	0.95	1.3	1.5"x1.5"	H(m)	16	16.1	15.7	15	14.3	13.8	12.2								
THF6B	1.1	1.5	2"x2"		26	23.2	20.7	18.3	16.2	14.5	14.2	12.4	10.7	9.6	8.8				
THF6B-1	1.5	2	2"x2"		22	21.5	21	20.5	20	19	18	17.5	16.5	15	15.3	13.2	12.5	11.2	9
THF6B-3	2.2	3	2"x2"		25	24.6	24	23.2	22.1	21	20.3	19.2	17.3	15.8	14	13.5	11.4	11	
TGA1A	0.75	1	1.5"x1.5"		20	19.7	18.7	17.2	15.5	13.3	12.5	10							
TGA1C	0.75	1	2"x2"		14.7	14.4	14.1	13.7	13.2	12.8	12.4	11.9	11	9.9	9.1	8.5	7.4		

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	0	10	20	30	40	50	55	60	65	70	80	90	100	106
	kW	HP			0	167	333	500	667	833	917	1000	1083	1166	1333	1500	1666	1766
THF5A	1.5	2	3"x3"	H(m)	14.5	14.4	13.7	12.4	10.4	7.8	7.1	6						
THF6A	2.2	3	4"x4"		17.5	14.62	14.3	14.2	12.5	9.9	8.9	7.2	6.9					
THF8A-1	3	4	3"x3"		17.5	17.3	16.5	15.3	13.2	10	8.5							
THF5A(6C)	1.1	1.5	3"x3"		12.50	12.00	11.90	11	9	6.7	5.5							
THF6A-1	2.2	3	3"x3"		14.6	14.5	14	12.8	11	8	7.5							
THF6A-2	1.9	2.5	4"x4"		14.3	14.1	13.7	13	11.7	9.1	7	5						
THF6A-3	1.1	1.5	4"x4"		12.5	12.3	11.8	10.5	8.4	5.7	5							
THF8A	3	4	4"x4"		20	19.3	18	16.1	13.5	10.3	9.4	8.5	9.5					
THF10A	4	5.5	4"x4"		16.5	16.4	16.2	16	15.4	14.2	13.3	12.1	8.5	7.4	5.4	3.2		

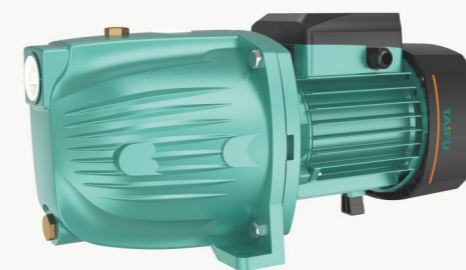
Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Screw	8	Water washer	15	Cable sheath	22	Spring washer	29	Flat gasket
2	O-ring	9	Bearing	16	Capacitor	23	Foot	30	Locking ring
3	Locknut	10	Stator	17	Bearing	24	Motor body	31	Pump body
4	Gasket	11	Terminal block	18	Motor end cover	25	Rotor	32	O-ring
5	Impeller	12	Plug	19	Screw	26	Screw	33	Screw
6	O-ring	13	Bolt	20	Fan	27	Gasket		
7	Motor front cover	14	Junction box	21	Fan cover	28	Mechanical seal		

JET

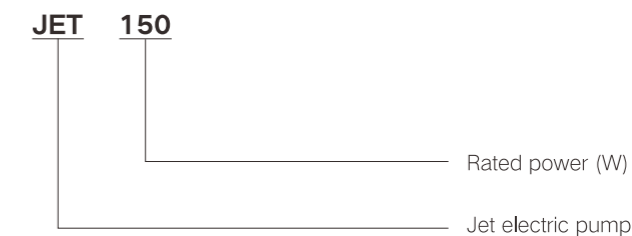
Priming Pump



Patent No: ZL 2019 3 0388497.2

- Household water
- Well water lifting
- Pipeline pressurization
- Agricultural irrigation
- Vegetable greenhouse watering
- Garden irrigation
- Aquaculture

Model Description



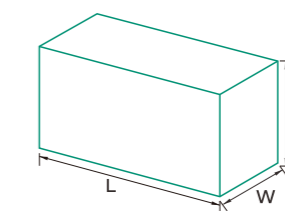
Working Conditions

- Ambient temperature is 0°C-+45°C
- The medium temperature does not exceed +40°C
- The pH of the medium is between 6.5-8.5
- The volume ratio of solid impurities is not more than 0.1% and the particle size is not more than 0.2mm

Advantages & Features

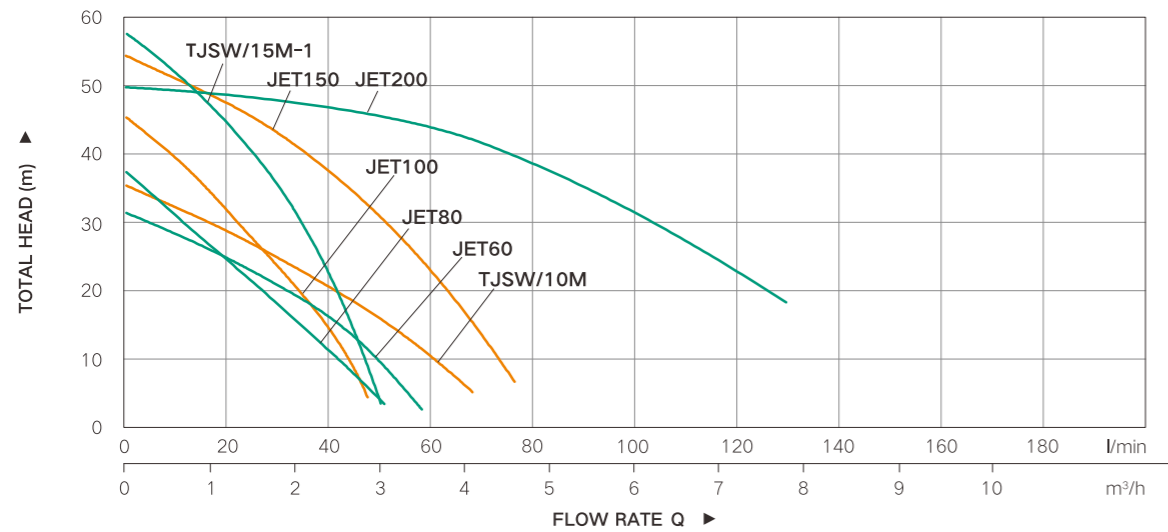
- Wide voltage operation
- F-class insulation, temperature resistance of 155°C
- Debris jamming protection
- Stainless steel welded motor rotor shaft, rust-proof, longer service life
- Over-current protection
- Blocking protection
- Nice appearance design

Packing Dimensions



Model	L	W	H
	cm	cm	cm
JET60	42	25.5	31
JET80	42	25.5	31
JET100	51.5	25	29.5
JET150	46	23	28
JET200	51.5	25	29.5
TJSW-10M	46	23	28
TJSW15M-1	46	23	28

Performance Curve



Performance Parameters

Model	Power		Max.suct (m)	Inlet/Outlet In	Max.flow (l/min)	Q(m³/h)	H(m)																				
	kW	HP					0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	7.5							
JET60	0.37	0.5	9	1"x1"	53	32	29	26	22	20	15	10															
JET80	0.55	0.75	9	1"x1"	53	38	32	27	21	20	16	8															
JET100	0.75	1	9	1"x1"	48	46	40	32	26	21	14																
JET150	1.1	1.5	9	1.5"x1"	76	55	51	48	46	42	36	31	26	17	4												
JET200	1.5	2	9	1.5"x1"	127	50.5	50	49.5	49	48	47	46	45	43	41	38	32	25	20								
TJSW/10M	0.75	1	9	1"x1"	70	36	33	30	26	24	20	16	12	7													
TJSW/15M-1	1.1	1.5	9	1"x1"	50	58	54	48	39	32	20	4															

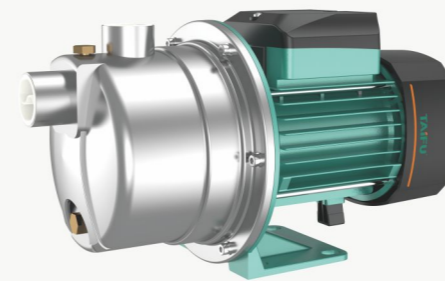
Product Structure







NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Pump body	9	Locknut	17	Seal sheath	25	Motor end cover	33	Screw
2	Screw	10	Washer	18	Bolt	26	Screw	34	Motor foot
3	O-ring	11	Impeller	19	Terminal box	27	Fan	35	Motor body
4	Seal	12	Mechanical seal	20	Capacitor	28	Bolt	36	Stator
5	O-ring	13	Dam-board	21	Cable sheath	29	Fan cover	37	Bearing
6	Ejector	14	O-ring	22	Terminal block	30	Screw	38	Rotor
7	O-ring	15	Water washer	23	Shaft key	31	O-ring	39	Bearing
8	Diffusor	16	Motor front cover	24	Spring washer	32	Screw		

SGJ/PGJ

Priming Pump



-  Small in size
-  Light in weight
-  Compact in structure
-  Easy to install

Model Description

SGJ / PGJ 800

- Specification code
- Jet pump with plastic pump body
- Pumdet pump with stainless steel Pump body

Application Range

- This series of electric pumps are small in size, light in weight, compact in structure, and easy to install. It is suitable for conveying liquids that are clean, contain no solid particles or fibers, and do not cause obvious corrosion to stainless steel.

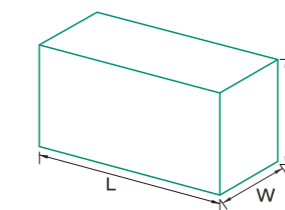
Working Conditions

- Ambient temperature is 0°C-+45°C
- The medium temperature does not exceed +40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities is not more than 0.1% and the particle size is not more than 0.2mm

Motor and Pump Body

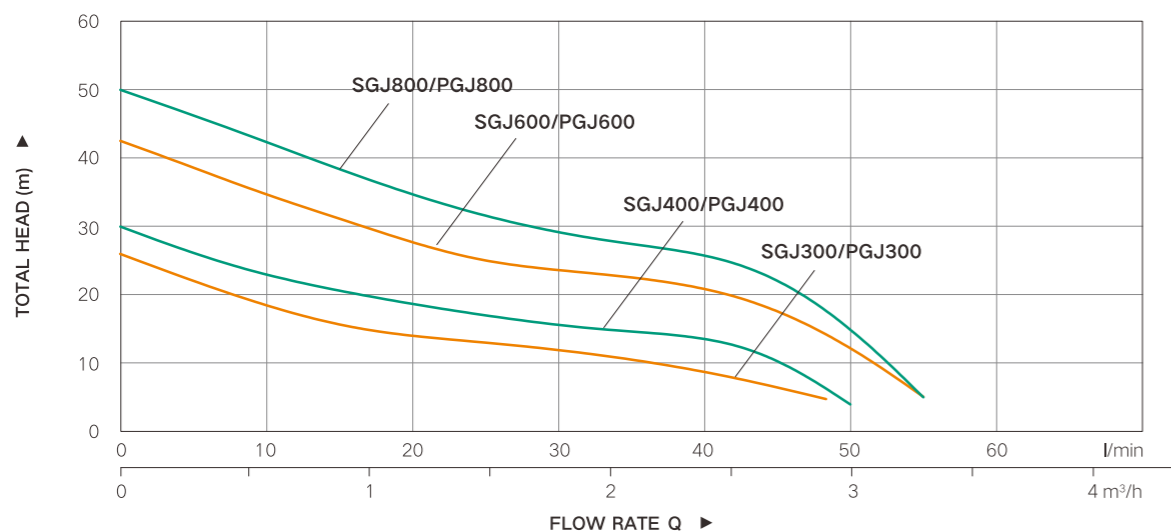
- Wide voltage operation
- Higher temperature resistance of the motor: F-class insulation, temperature resistance of 155°C
- Stainless steel welded motor shaft, rust-proof and longer service life.
- Pump body and impeller are made of rust-proof material: no water pollution

Packing Dimensions



Model	L	W	H
	cm	cm	cm
SGJ300/PGJ300	34.6	19.1	20.3
SGJ400/PGJ400	34.6	19.1	20.3
SGJ600/SGJ600	50.5	32.5	17.86
SGJ800/SGJ800	42	19.5	23

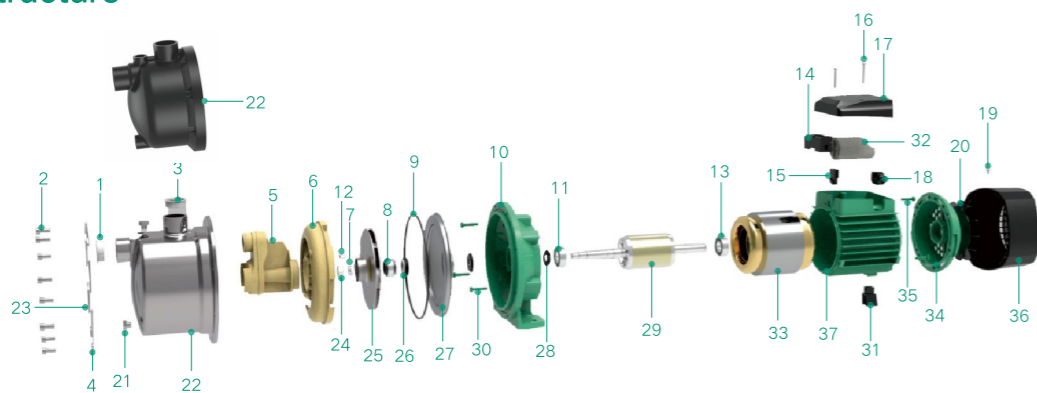
Performance Curve



Performance Parameters

Model	Power		Max.suct (m)	Inlet/Outlet In	Max.flow (l/min)	Q(m³/h)	H(m)						
	kW	HP					0	0.5	1	1.5	2	2.5	3
SGJ300/PGJ300	0.3	0.4	8	1"x1"	51	0	28	20	14	13	10	8	3
SGJ400/PGJ400	0.4	0.6	8	1"x1"	51	0	32	24	20	17	15	13	4
SGJ600/PGJ600	0.6	0.8	9	1"x1"	55	0	43	36	30	27	23	20	9
SGJ800/PGJ800	0.8	1.1	9	1"x1"	55	0	48	44	37	32	26	24	15

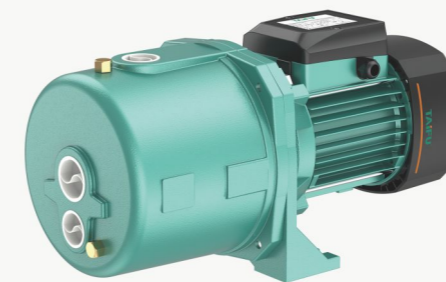
Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Seal	9	O-ring	17	Terminal box	25	Impeller	33	Coil
2	Screw	10	Motor front cover	18	Sheath	26	O-ring	34	Motor end cover
3	Seal	11	Upper bearing	19	Screw	27	Dam-board	35	Screw
4	Washer	12	Shaft key	20	Fan	28	Water trap	36	Fan cover
5	Ejector	13	Lower bearing	21	Air screw	29	Rotor	37	Motor body
6	Diffusor	14	Terminal block	22	Pump body	30	Motor foot		
7	Spring washer	15	Sealed sheath	23	Washer	31	Foot		
8	Rotating sealring	16	Screw	24	Nut	32	Capacitor		

TDP

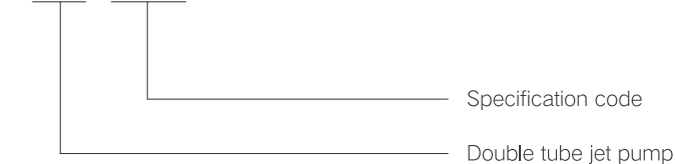
Centrifugal Pump



- Domestic water supply
- Equipment matching
- Pipeline pressurization
- Garden watering
- Vegetable greenhouse watering
- Engineering construction

Model Description

TDP 505A



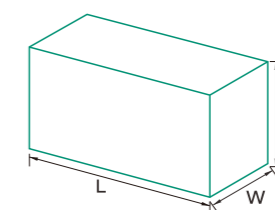
Working Conditions

- Ambient temperature is -5°C-+40°C
- Medium temperature 0°C+40°C
- The PH of the medium is between 6.5-8.5
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value

Advantages & Features

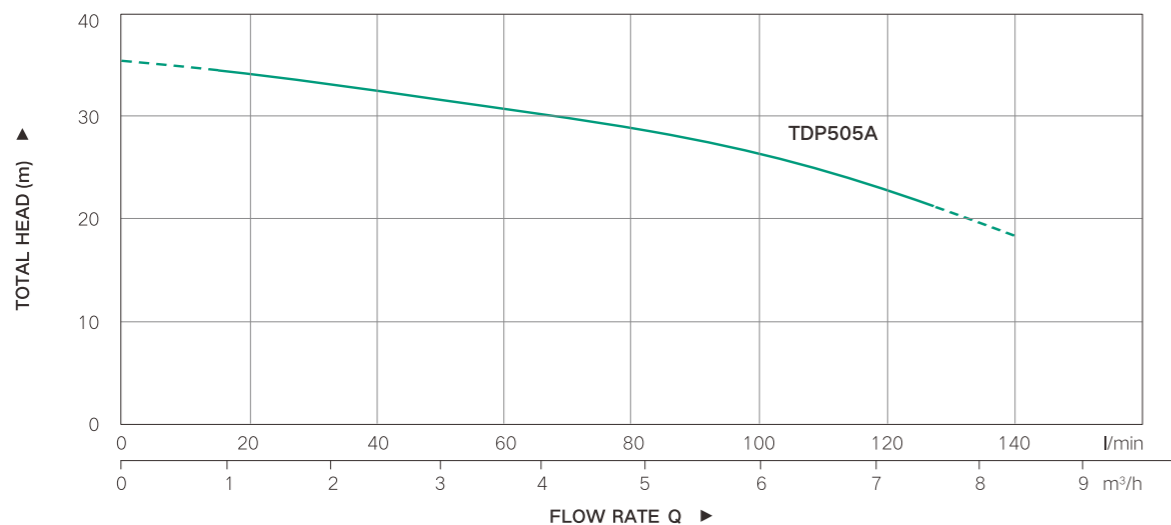
- Wide voltage operation
- Higher temperature resistance of the motor: F-class insulation, temperature resistance of 155°C
- Debris jamming protection
- Stainless steel welded motor rotor shaft, rust-proof, longer service life
- Over-current protection
- Blocking protection
- Nice appearance design

Packing Dimensions



Model	L	W	H
	cm	cm	cm
TDP505A	54,5	23,5	27

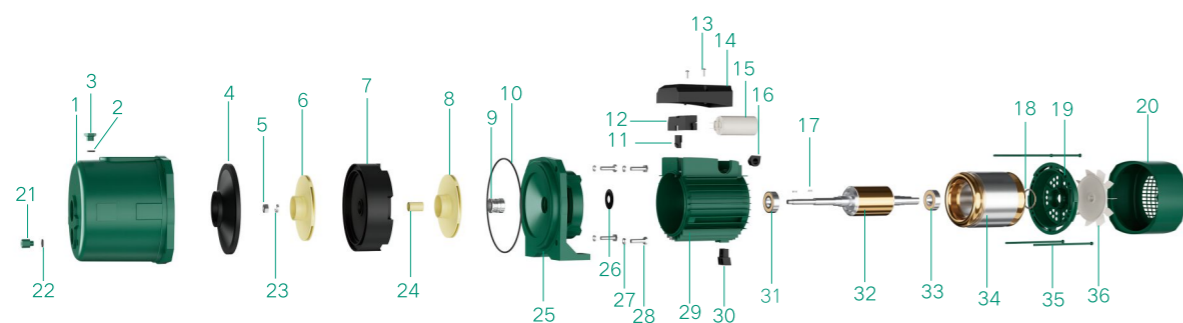
Performance Curve



Performance Parameters

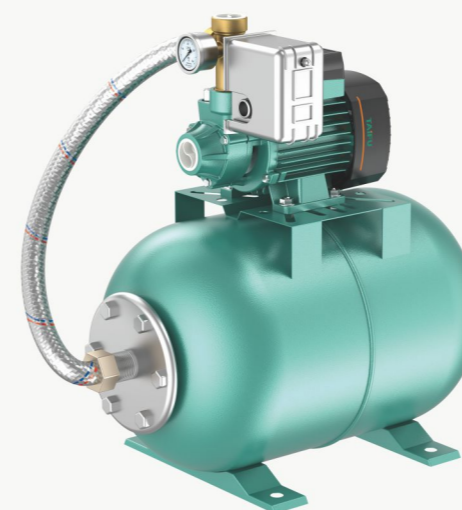
Model	Power		Max.suct (m)	Inlet/Outlet In	Max.flow (l/min)	Q(m³/h)									
	kW	HP				0	1	2	3	4	5	6	7	8	
TDP505A	1.1	1.5	30	1.25"x1"	150	H(m)	36	34.5	32.8	31.5	30	28	26	22	18

Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Pump body	9	Mechanical seal	17	Shaft key	25	Motor front cover	33	Lower bearing
2	O-ring	10	O-ring	18	Spring washer	26	Water washer	34	Stator
3	Screw	11	Terminal block	19	Motor end cover	27	Washer	35	Screw
4	Diffusor	12	Cable sheath	20	Fan cover	28	Screw	36	Fan
5	Locknut	13	S/S bolt	21	Screw	29	Motor body		
6	Brass impeller	14	Terminal box	22	O-ring	30	Motor foot		
7	Iron diffusor	15	Capacitor	23	Washer	31	Upper bearing		
8	Brass impeller	16	Cable sheath	24	Brass bearing sheath	32	Rotor		

AUTOMATIC



ATQB60



Clean water

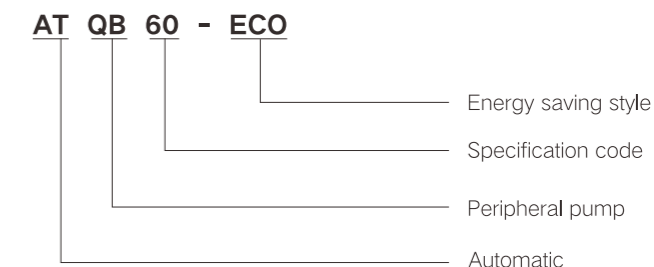


Civil use



Agricultural use

Model Description



Applications

- This series of products is used for domestic water supply, pipeline pressurization, garden irrigation.

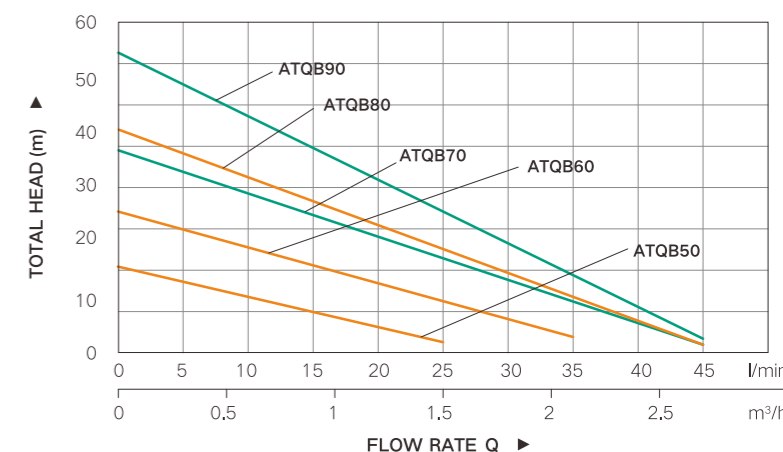
Working Conditions

- Thicker electrophoretic rust-proof layer on overcurrent parts for greater durability
- Full copper motor with F-grade insulation for longer life
- Copper impeller to prevent rust and seizure
- Stable water output and low noise operation
- Built-in protection device to prevent the motor from burning out
- Centerless grinding process of the rotor, more durable

Motor and Pump Body

- Transport clean water and other viscous, non-corrosive liquid, and shall not transport flammable, explosive, easily gasified, and solid-containing liquids
- Granular or fibrous liquid with a PH between 6.5-8.5
- The medium temperature of ordinary self-priming pump is +4°C~+40°C
- The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm

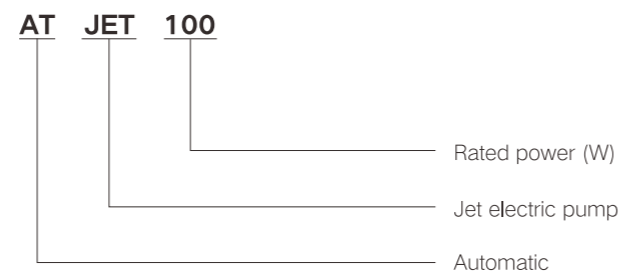
Performance Curve



* Reference to the data on page 13

AUTOMATIC

Model Description



Working Conditions

- Ambient temperature is 0°C-+45°C
- The medium temperature does not exceed +40°C
- The pH of the medium is between 6.5-8.5
- The volume ratio of solid impurities is not more than 0.1% and the particle size is not more than 0.2mm

Motor and Pump Body

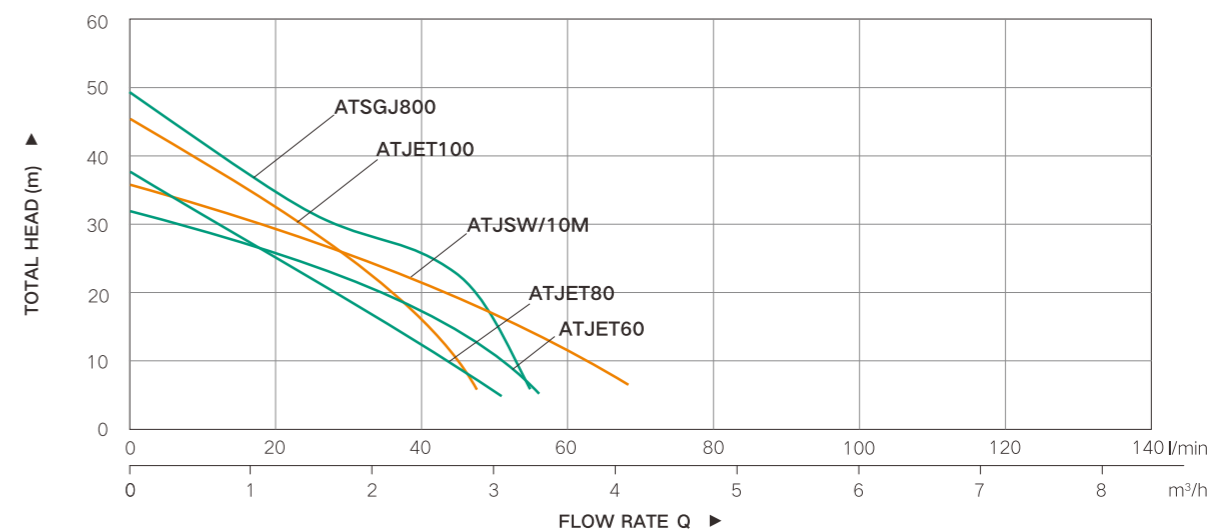
- Wide voltage operation
- F-class insulation, temperature resistance of 155°C
- Debris jamming protection
- Stainless steel welded motor rotor shaft, rust-proof, longer service life
- Over-current protection
- Blocking protection
- Nice appearance design



ATJET100

- Household water
- Well water lifting
- Pipeline pressurization
- Agricultural irrigation
- Vegetable greenhouse watering
- Garden irrigation
- Aquaculture

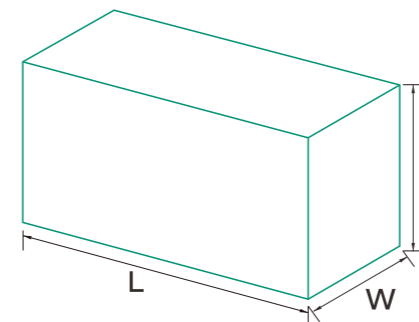
Performance Curve



Performance Parameters

Model	Power		Max.suct m	Max.flow l/min	Inlet/Outlet In	Q(m³/h)	Q(l/min)															
	kW	HP					0	0.5	1	1.5	2	2.5	3	3.5	4	0	8	17	25	33	42	50
ATJET60	0,37	0,55	9	53	1"x1"	H(m)	32	29	26	22	20	15	10									
ATJET80	0,5	0,75	9	53	1"x1"		38	32	27	21	20	16	8									
ATJET100	0,75	1	9	48	1"x1"		46	40	32	26	21	14										
ATJSW/10M	0,75	1	9	70	1"x1"		36	33	30	26	24	20	16	12	7							
ATSGJ800	0,8	1,1	8	55	1"x1"		48	44	37	32	26	24	15									

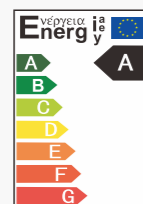
Packing Dimensions



Model	L	W	H
	cm	cm	cm
ATQB50	23,5	13,5	17
ATQB60	23,5	13,5	17
ATQB70	23,5	13,5	17
ATQB80	23,5	13,5	17
ATQB90	23,5	13,5	17
ATJET60	51,5	25	29,5
ATJET80	54,5	23,5	27
ATJET100	51,5	25	29,5
ATJSW/10M	54,5	23,5	27
ATSGJ800	51,5	25	29,5

STAR-A/C

Intelligent Circulator Pump Series



EEI ≤ 0.23



STAR-A



STAR-C

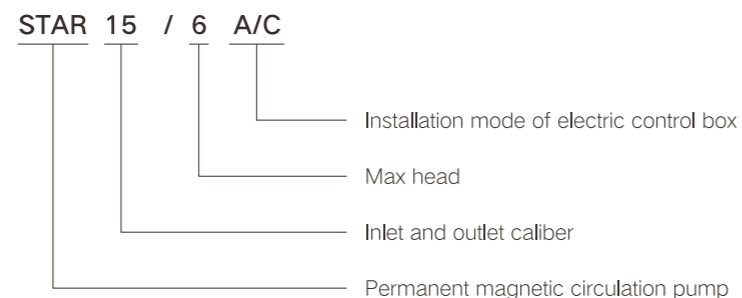


Select



Select

Model Description

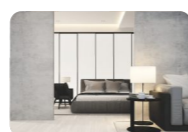


Applications

- Air conditioning secondary systems, underfloor heating circulation, hot water boilers, domestic tap water pressurization, industrial liquid circulation water supply.



Air conditioning Secondary systems



Underfloor heating Circulation



Hot water boilers



Domestic tap water Pressurization



Industrial liquid Circulation water supply

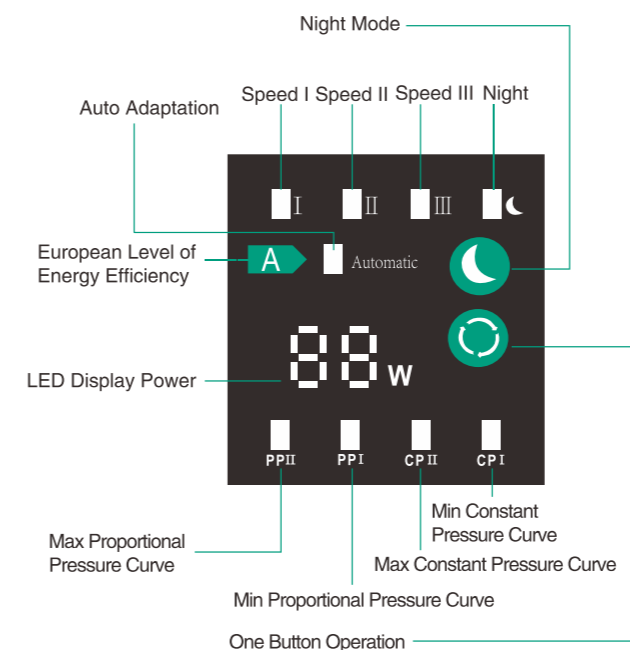
Working Conditions

- Supply voltage: 230V-50/60Hz
- Max. head: 4-8m
- Max. flow rate: 40-78 l/min
- Liquid temperature: +2°C to 110°C
- Power range: 22-68W
- EEI ≤ 0.23
- Ambient temperature: 0°C to 40°C
- Protection class: IP44
- Insulation class: H

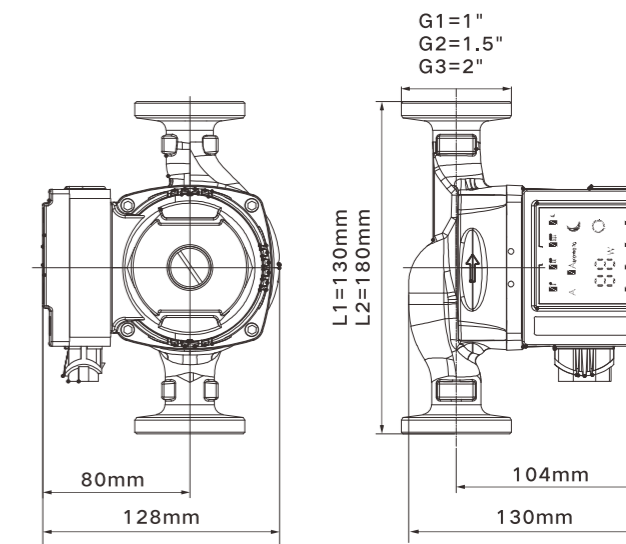
Advantages & Features

- Min power: 5W
- Frequency-conversion stator
- Multifunctional electronic component permanent magnetism rotor
- Convenient connector
- ERP certificate
- LED display

Led Display

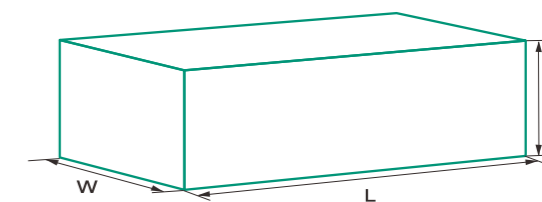


Pump Dimensions

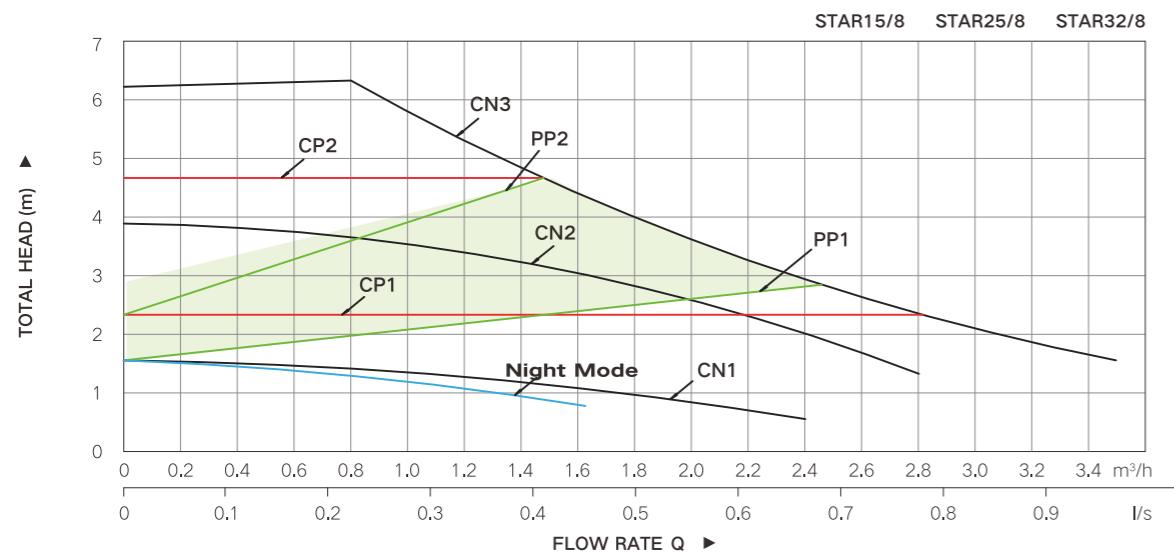
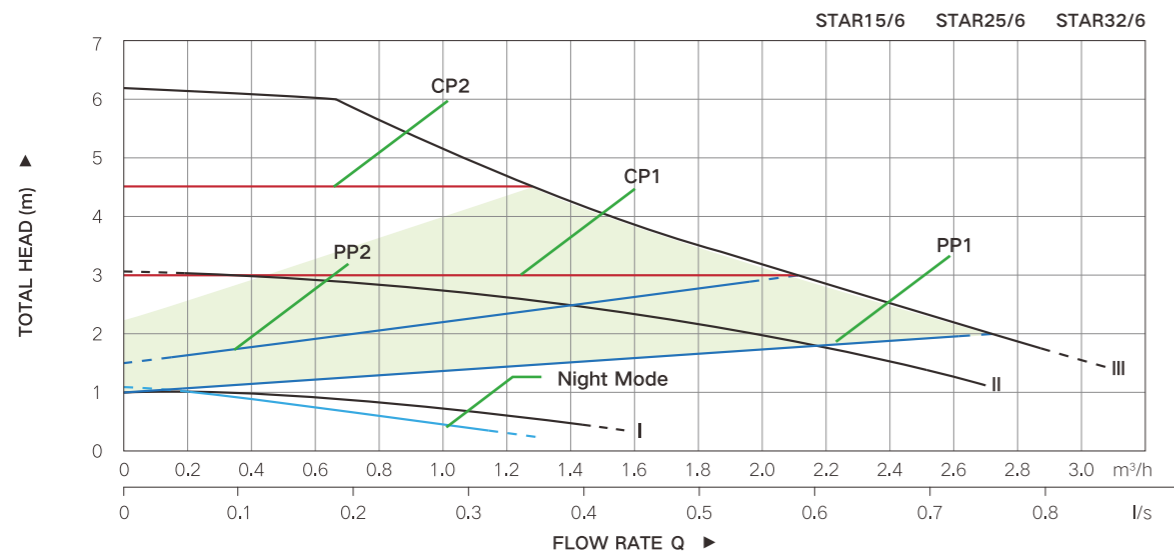
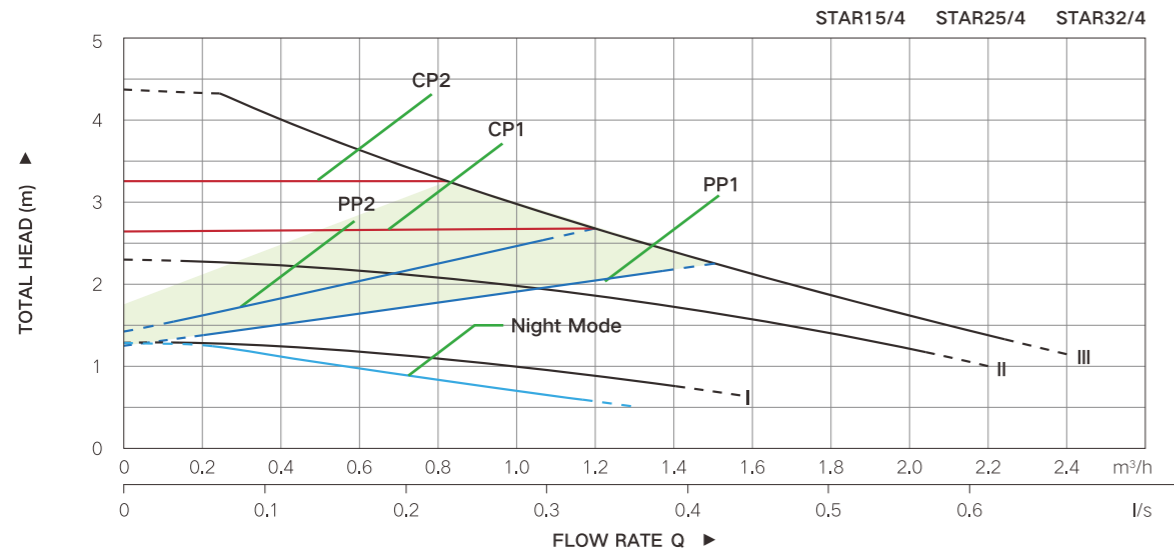


Pump Dimensions

Model	L	W	H	PCS/CTN
	mm	mm	mm	
STAR15/4A	218	100	150	6
STAR25/4A	218	100	150	6
STAR32/4A	218	100	150	6
STAR15/6A	218	100	150	6
STAR25/6A	218	100	150	6
STAR32/6A	218	100	150	6
STAR15/8A	218	100	150	6
STAR25/8A	218	100	150	6
STAR32/8A	218	100	150	6



Performance Curve

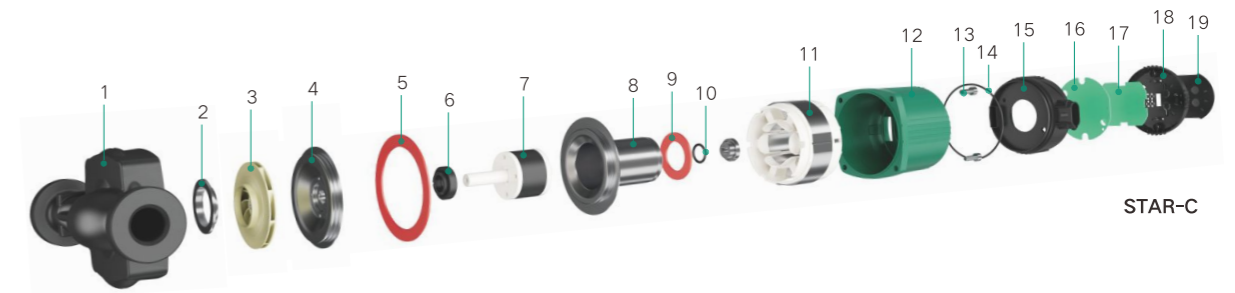
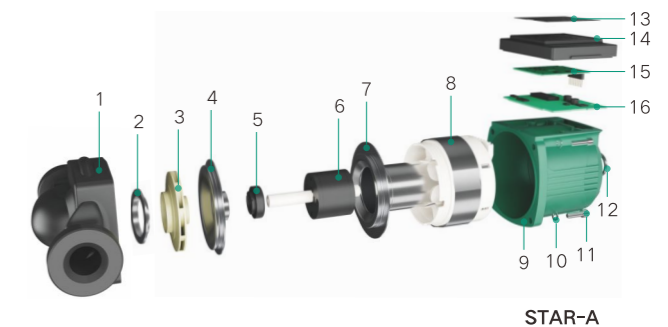


Performance Parameters

Model			Power	Max flow rate	Max.head	Inlet/Outlet
			W	l/min	m	In
STAR25-4	STAR15/4A	STAR15/4C	22	40	4	1"x1"
	STAR25/4A	STAR25/4C	22	40	4	1.5"x1.5"
	STAR32/4A	STAR32/4C	22	40	4	2"x2"
STAR25-6	STAR15/6A	STAR15/6C	45	55	6	1"x1"
	STAR25/6A	STAR25/6C	45	55	6	1.5"x1.5"
	STAR32/6A	STAR32/6C	45	55	6	2"x2"
STAR25-8	STAR15/8A	STAR15/8C	68	78	8	1"x1"
	STAR25/8A	STAR25/8C	68	78	8	1.5"x1.5"
	STAR32/8A	STAR32/8C	68	78	8	2"x2"

Performance Structure

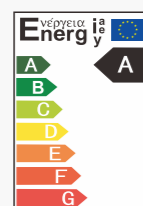
NO.	Part	NO.	Part
1	Pump body	9	Motor body
2	Seal washer	10	Gasket
3	Impeller	11	Electric control box base
4	Shield cover	12	O-ring
5	Thrust bearing	13	Nameplate
6	Rotor	14	Control box cover
7	Shielding	15	Display board
8	Stator	16	PCB motherboard



NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Pump body	6	Graphite static ring	11	Stator	16	PCB control motherboard
2	Seal washer	7	Rotor	12	Motor body	17	Display board
3	Impeller	8	Shielding	13	Inside the hexagonal screw	18	Top cover of electronic control box
4	Shield cover	9	Barrel gasket	14	O-ring	19	Nameplate
5	Pump body gasket	10	Gasket	15	Electric control box base		

NEW STAR

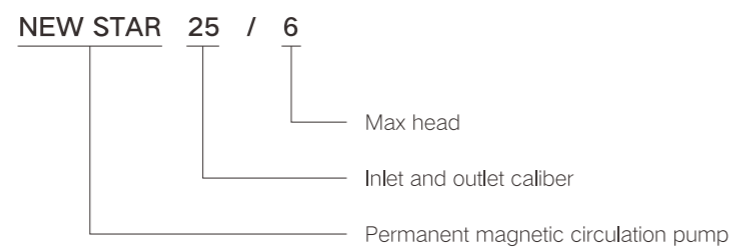
Intelligent Circulator Pump Series



EEI ≤ 0.23



Model Description



Applications

- Domestic water heaters, indoor pipe circulation, volumetric drains, air energy heat pumps, gas boiler hot water circulation.



Domestic water heaters



Indoor pipe circulation



Volumetric drains



Air energy heat pumps



Gas boiler hot water circulation

Working Conditions

- Supply voltage: 230V-50/60Hz
- Max. head: 4-8m
- Max. flow rate: 43.3-66.7 l/min
- Liquid temperature: +2°C to 110°C
- Power range: 18-52W
- EEI ≤ 0.23
- Ambient temperature: 0°C to 40°C
- Protection class: IP44
- Insulation class: H

Advantages & Features

- Min power: 3W
- Frequency-conversion stator
- Multifunctional electronic component Permanent magnetism rotor
- LED display
- Convenient connector
- ERP certificate

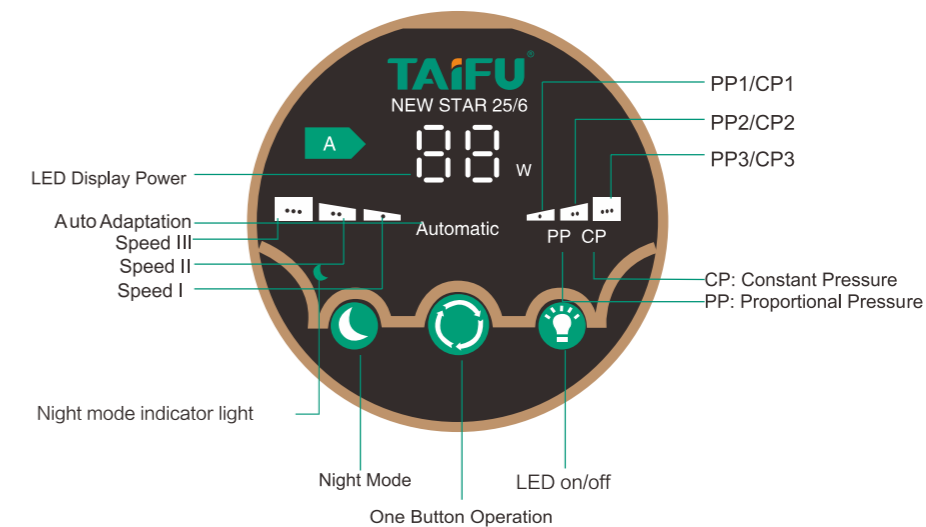


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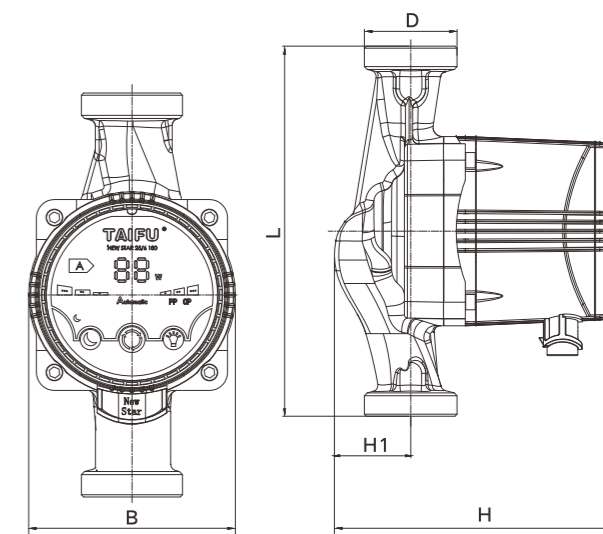
Select

Led Display

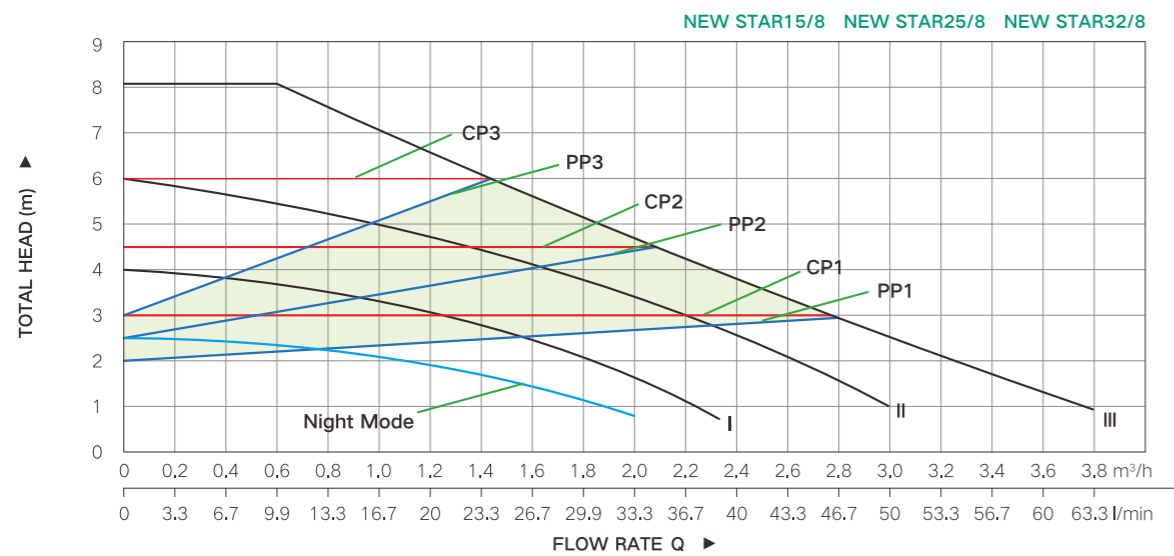
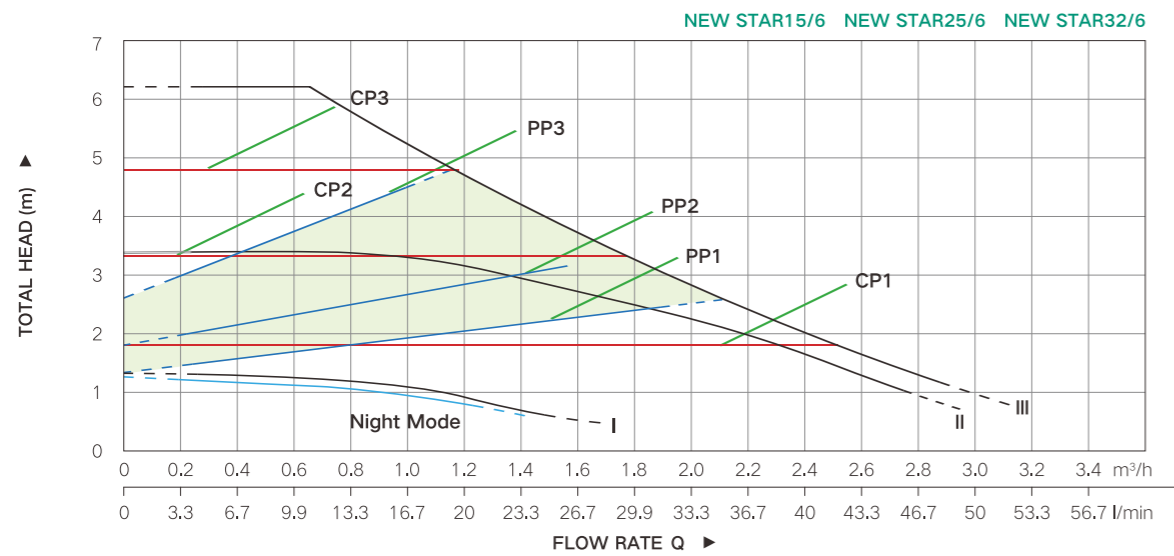
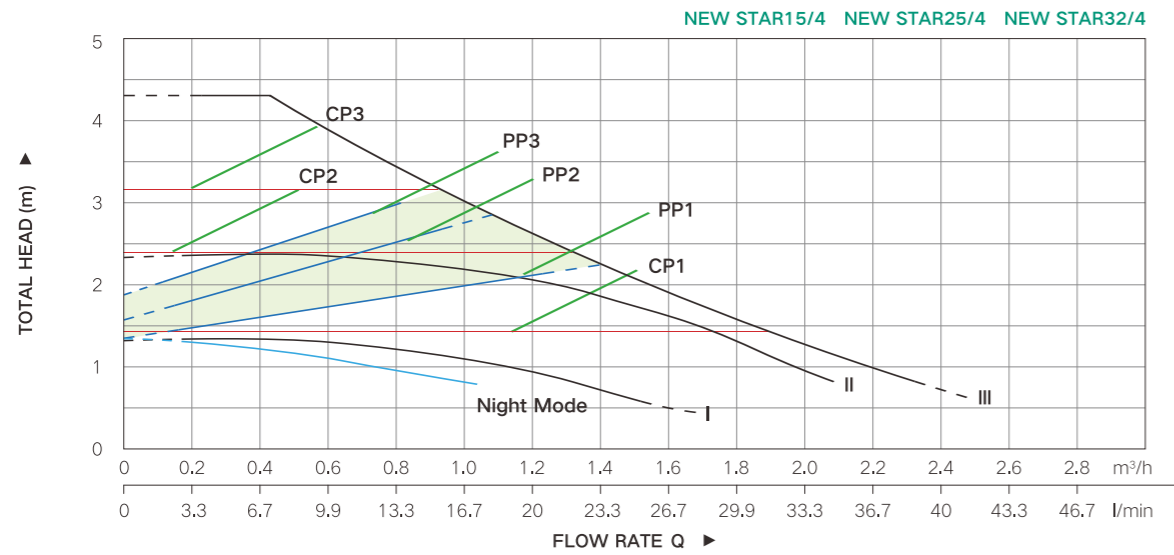


Pump Dimensions

Model	L	B	H	H1	D	Connectors
	mm	mm	mm	mm	In	
NEW STAR15/4-130	130	92	139.5	36.5	1"	1"to3/4"
NEW STAR25/4-130	130	92	139.5	36.5	1.5"	1.5"to1"
NEW STAR32/4-130	130	92	139.5	36.5	2"	2"to1.2"
NEW STAR25/4-180	180	92	139.5	36.5	1.5"	1.5"to1"
NEW STAR32/4-180	180	92	139.5	36.5	2"	2"to1.2"
NEW STAR15/6-130	130	92	139.5	36.5	1"	1"to3/4"
NEW STAR25/6-130	130	92	139.5	36.5	1.5"	1.5"to1"
NEW STAR32/6-130	130	92	139.5	36.5	2"	2"to1.2"
NEW STAR25/6-180	180	92	139.5	36.5	1.5"	1.5"to1"
NEW STAR32/6-180	180	92	139.5	36.5	2"	2"to1.2"
NEW STAR15/8-130	130	92	139.5	36.5	1"	1"to3/4"
NEW STAR25/8-130	130	92	139.5	36.5	1.5"	1.5" to 1"
NEW STAR32/8-130	130	92	139.5	36.5	2"	2"to1.2"
NEW STAR25/8-180	180	92	139.5	36.5	1.5"	1.5"to1"
NEW STAR32/8-180	180	92	139.5	36.5	2"	2"to1.2"



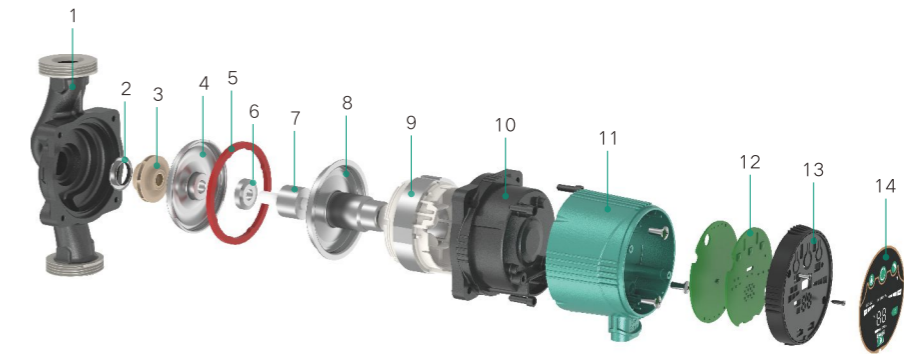
Performance Curve



Performance Parameters

Model	Pump body length	Voltage	Current	Power	Max. head	Max. flow rate
	mm	V	A	W	m	l/min
NEW STAR15/4-130	130	220	0.18	18	4	36.7
NEW STAR25/4-130		220	0.18	18	4	40
NEW STAR32/4-130		220	0.18	18	4	43.3
NEW STAR25/4-180	180	220	0.18	18	4	40
NEW STAR32/4-180		220	0.18	18	4	43.3
NEW STAR15/6-130	130	220	0.3	35	6	50
NEW STAR25/6-130		220	0.3	35	6	55
NEW STAR32/6-130		220	0.3	35	6	58.3
NEW STAR25/6-180	180	220	0.3	35	6	58.3
NEW STAR32/6-180		220	0.3	35	6	63.3
NEW STAR15/8-130	130	220	0.5	52	8	58.3
NEW STAR25/8-130		220	0.5	52	8	63.3
NEW STAR32/8-130		220	0.5	52	8	66.7
NEW STAR25/8-180	180	220	0.5	52	8	63.3
NEW STAR32/8-180		220	0.5	52	8	66.7

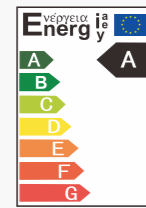
Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Pump body	6	Graphite static ring	11	Electric control box
2	Seal washer	7	Rotor	12	Circuit board
3	Impeller	8	Shield sheath	13	Electric control box cover
4	Shield cover	9	Coil	14	Control panel
5	Pump body gasket	10	Motor body		

GRA

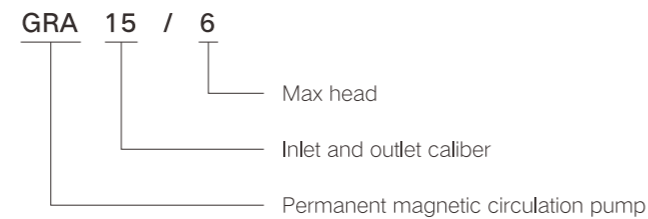
Intelligent Circulator Pump Series



EEI ≤ 0.23



Model Description



Applications

- Domestic heating and hot water supply systems, Air and ground source heat pump systems, Air conditioning systems, industrial circulation systems.



Domestic heating and hot water supply systems



Air and ground source heat pump systems



Air conditioning systems



Industrial circulation Systems



Solar systems

Working Conditions

- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0°C to 40°C
- Maximum system pressure: 1MPa
- Protection class: IP44
- Supply voltage/frequency: 220V-50/60Hz
- Insulation class: H
- EEI ≤ 0.23
- Adaptive medium: clear water

Advantages & Features

- Easy operation and installation: equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.
- Accurately meet different needs: Motor speed is effected by digital pulse-width modulation (PWM), enabling the pump to be used to meet different flow requirement in various systems.
- Low noise and high comfort: noise index ≤ 42dB (A)
- Low energy consumption: A class energy efficiency, lowest power consumption up to 5W.
- Multi-protection: with over-voltage and over-current protection to prevent the risk of motor burning.
- Eco-design benchmark: EEI ≤ 0.23
- Quick release power plug: start-up and stop the pump quickly.

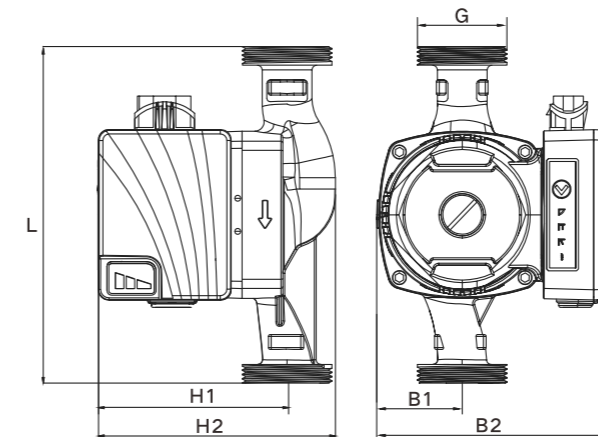


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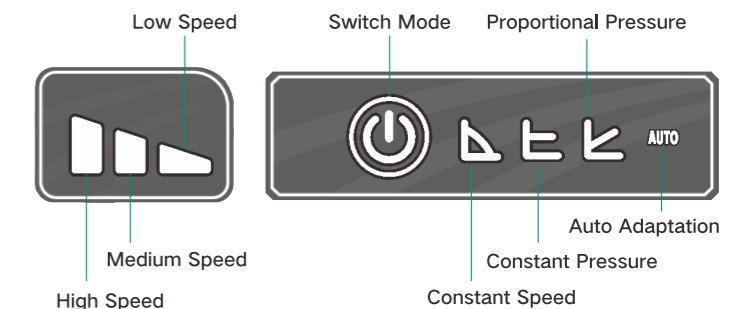


Select

Pump Dimensions

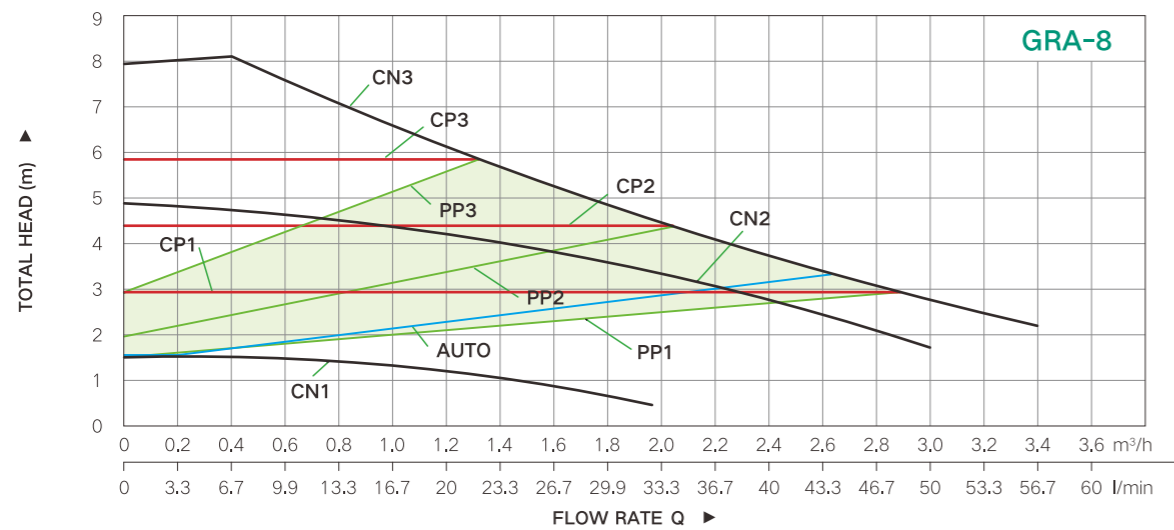
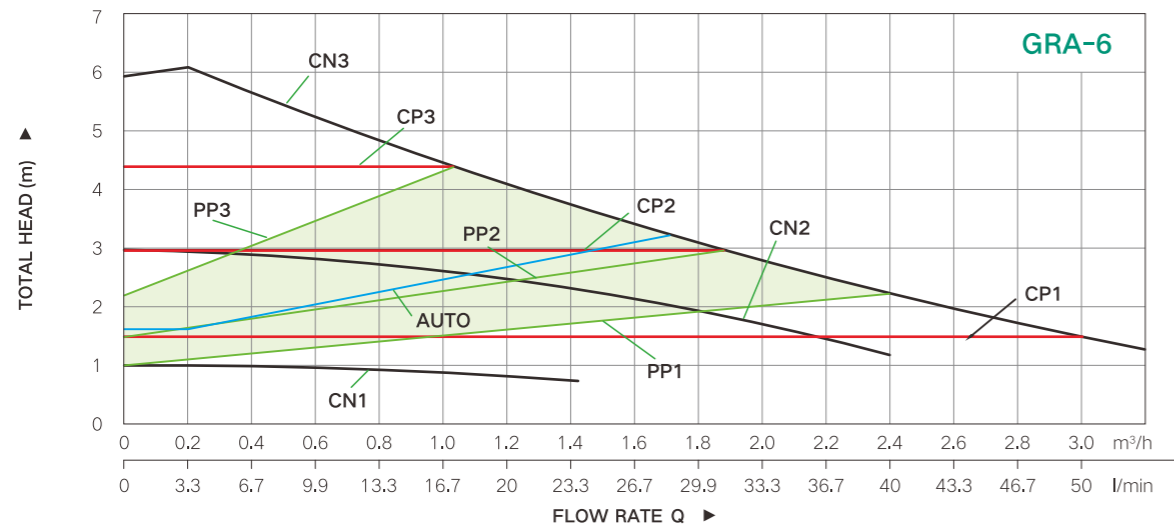
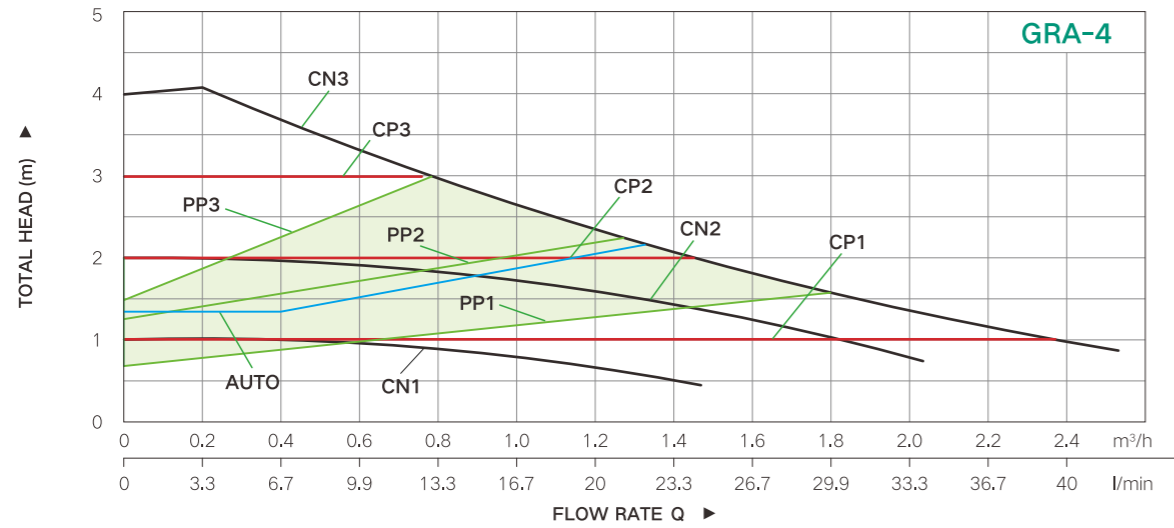


Led Display

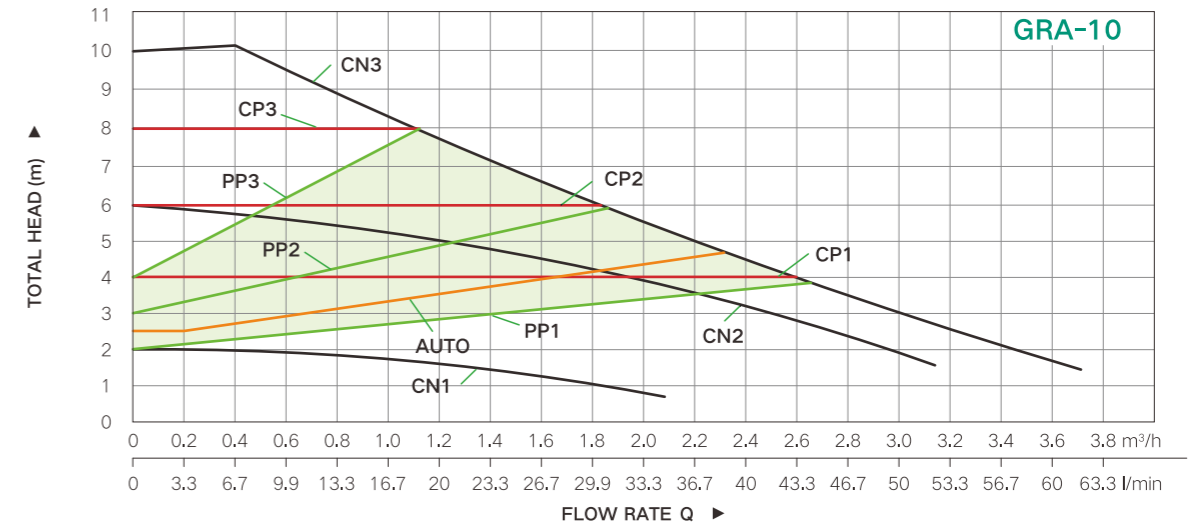


Model	Max Power	Max head	Max flow	L	G	H1	H2	B1	B2	Connectors
	W	m	m ³ /h	mm	In	mm	mm	mm	mm	In
GRA15/4-130	25	4	2.2	130	G1"	102	127	46	128	1" to 3/4"
GRA25/4-130	25	4	2.4	130	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/4-130	25	4	2.6	130	G2"	102	127	46	128	2" to 1 1/4"
GRA15/4-180	25	4	2.2	180	G1"	102	127	46	128	1" to 3/4"
GRA25/4-180	25	4	2.4	180	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/4-180	25	4	2.6	180	G2"	102	127	46	128	2" to 1 1/4"
GRA15/6-130	45	6	2.8	130	G1"	102	127	46	128	1" to 3/4"
GRA25/6-130	45	6	3	130	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/6-130	45	6	3.2	130	G2"	102	127	46	128	2" to 1 1/4"
GRA15/6-180	45	6	2.8	180	G1"	102	127	46	128	1" to 3/4"
GRA25/6-180	45	6	3	180	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/6-180	45	6	3.2	180	G2"	102	127	46	128	2" to 1 1/4"
GRA15/8-130	68	8	3.2	130	G1"	102	127	46	128	1" to 3/4"
GRA25/8-130	68	8	3.4	130	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/8-130	68	8	3.6	130	G2"	102	127	46	128	2" to 1 1/4"
GRA15/8-180	68	8	3.2	180	G1"	102	127	46	128	1" to 3/4"
GRA25/8-180	68	8	3.4	180	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/8-180	68	8	3.6	180	G2"	102	127	46	128	2" to 1 1/4"
GRA15/10-130	80	10	3.6	130	G1"	102	127	46	128	1" to 3/4"
GRA25/10-130	80	10	3.8	130	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/10-130	80	10	4.0	130	G2"	102	127	46	128	2" to 1 1/4"
GRA15/10-180	80	10	3.6	180	G1"	102	127	46	128	1" to 3/4"
GRA25/10-180	80	10	3.8	180	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/10-180	80	10	4.0	180	G2"	102	127	46	128	2" to 1 1/4"

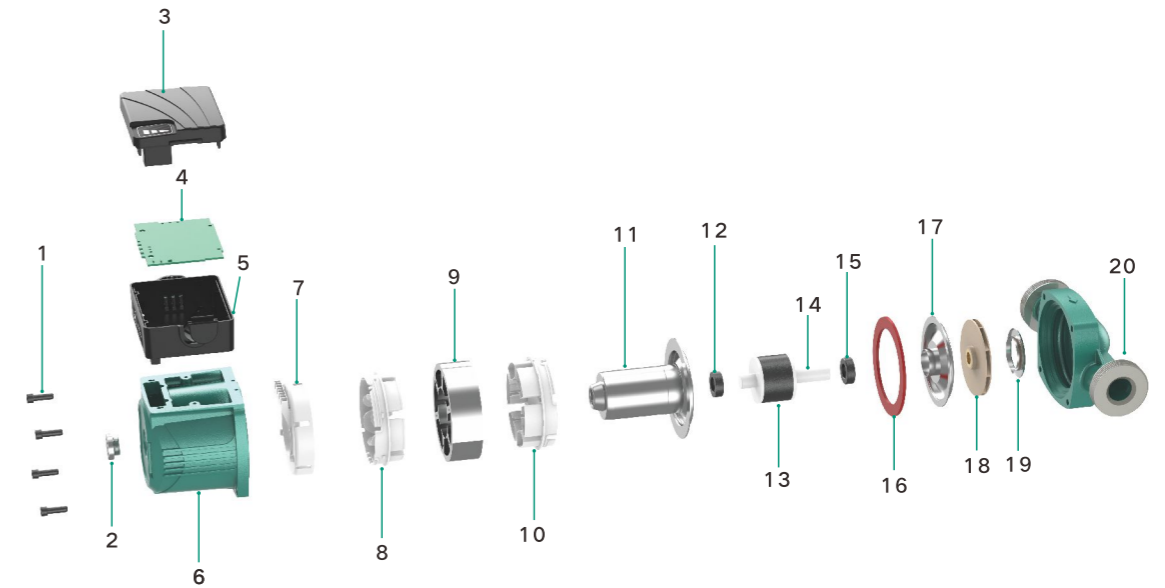
Performance Curves



Performance Curves



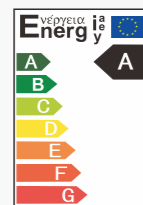
Products Structure



No.	Part	No.	Part	No.	Part
1	Screws	8	Wire protection cap	15	Position seal
2	Air bolt	9	Stator	16	O ring
3	Control box cover	10	Wire protection cap	17	Shield cover
4	Pcb board	11	Rotor shield	18	Impeller
5	Control box	12	Position seal	19	Fix ring
6	Motor housing	13	Rotor	20	Pump body
7	Wire protection cap	14	Shaft		

GRA-C

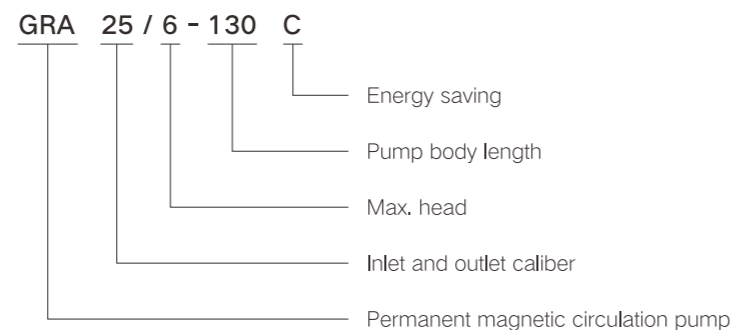
Intelligent Circulator Pump Series



EEI ≤ 0.23



Model Description



Applications

- Domestic water heaters, indoor pipeline circulation, air energy Heat pumps, gas boiler hot water circulation.



Domestic water heaters



Indoor pipe circulation



Air energy heat pumps



Gas boiler hot water Circulation

Working Conditions

- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0°C to 40°C
- Maximum system pressure: 1MPa
- Protection class: IP44
- Supply voltage/frequency: 220V-50/60Hz
- Insulation class: H
- EEI ≤ 0.23
- Adaptive medium: clear water

Advantages & Features

- The pump and system are integrated design, easy to install and suitable for use in small spaces.
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, pump noise is smaller and quieter.
- No mechanical seal, more effective in eliminate liquid leakage, suitable for variety liquids.
- Permanent magnet motor is more energy saving, saving more than half of the electricity per unit of time compared to the traditional electric pumps, but same efficiency.
- Intelligent pump, with a variety of operating modes, can be adapted to different applications, with multiple internal protection measures, more effective protection of the pump.

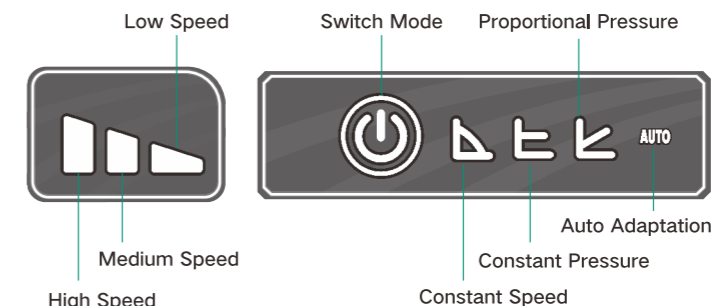


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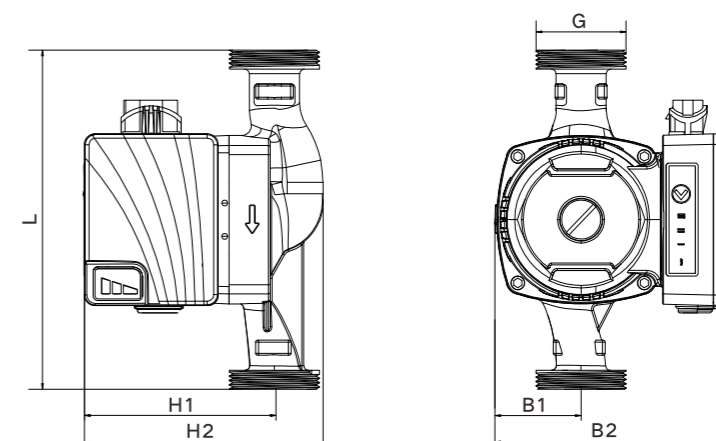


Select

Led Display

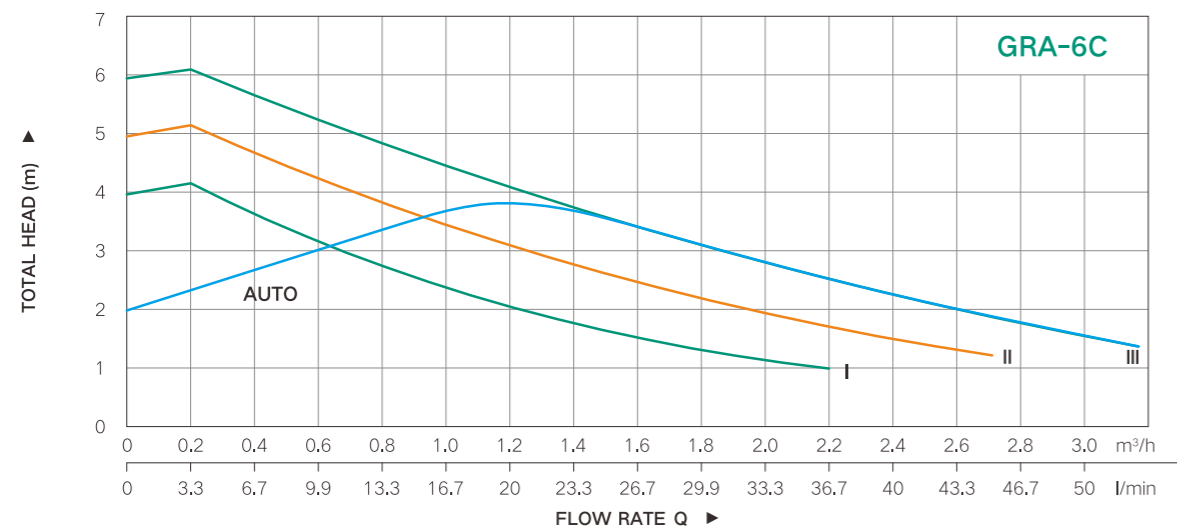


Pump Dimensions

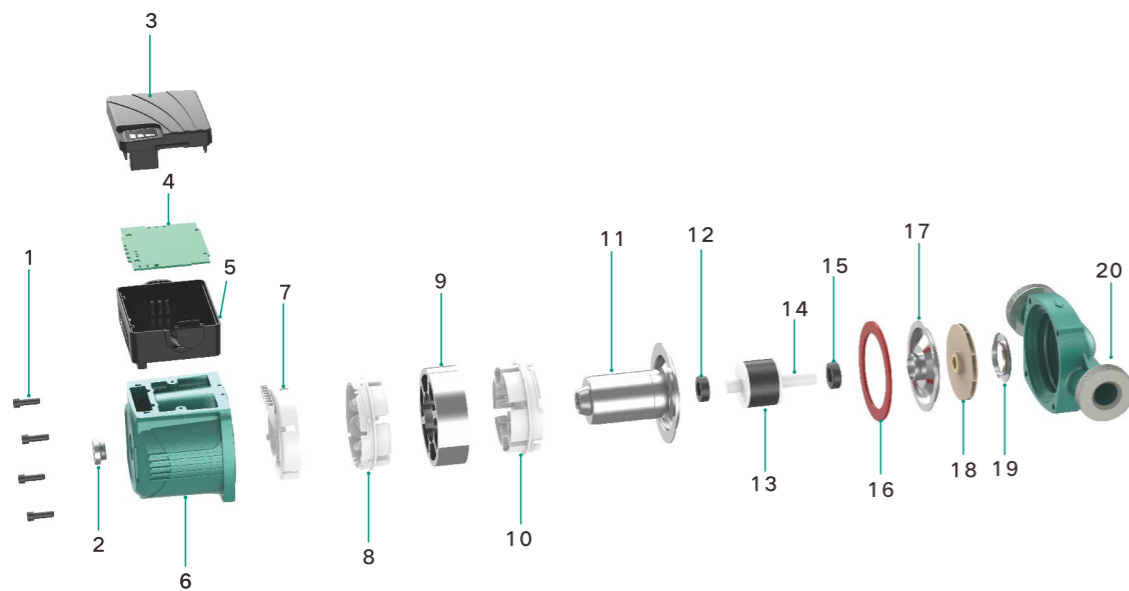


Model	Max Power	Max head	Max flow rate	L	G	H1	H2	B1	B2	Connectors
	W	m	l/min	mm	In	mm	mm	mm	mm	In
GRA15/6-130C	45	6	46.7	130	G1"	102	127	46	128	1" to 3/4"
GRA25/6-130C	45	6	50	130	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/6-130C	45	6	53.3	130	G2"	102	127	46	128	2" to 1 1/4"
GRA15/6-180C	45	6	46.7	180	G1"	102	127	46	128	1" to 3/4"
GRA25/6-180C	45	6	50	180	G1 1/2"	102	127	46	128	1 1/2" to 1"
GRA32/6-180C	45	6	53.3	180	G2"	102	127	46	128	2" to 1 1/4"

Performance Curves



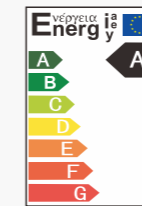
Products Structure



No.	Part	No.	Part	No.	Part
1	Screws	8	Wire protection cap	15	Position seal
2	Air bolt	9	Stator	16	O ring
3	Control box cover	10	Wire protection cap	17	Shield cover
4	Pcb board	11	Rotor shield	18	Impeller
5	Control box	12	Position seal	19	Fix ring
6	Motor housing	13	Rotor	20	Pump body
7	Wire protection cap	14	Shaft		

GRB

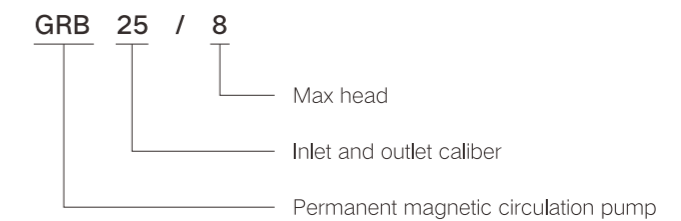
Intelligent Circulator Pump Series



EEI ≤ 0.23



Model Description



Applications

- Domestic heating and water supply system, floor heating system, Air conditioning system, industrial circulating system, solar systems.



Domestic heating and water supply system



Floor heating system



Air conditioning system



Industrial circulating system



Solar systems

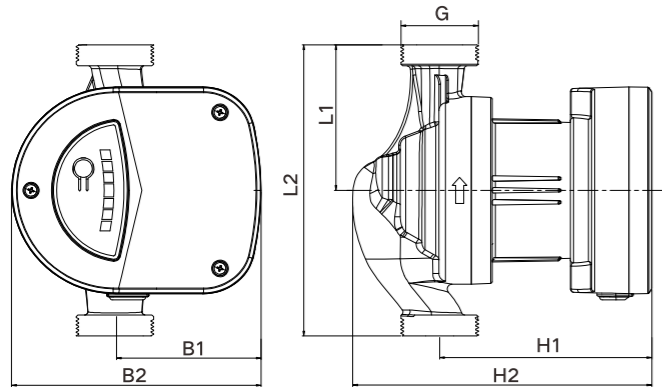
Technical Parameters

- Input power: single phase AC, rated voltage 220V, frequency 50/60Hz.
- Working environment temperature: 0°C ~ 40°C
- Liquid: clean water or diluted, clean, non-corrosive and non-explosive liquid.
- Liquid temperature: 2°C ~ 110°C (It is required that the liquid temperature should be higher than the ambient temperature).
- Max system pressure: no more than 1.0Mpa
- Protection grade: IP44
- EEI ≤ 0.23
- Insulation grade: H
- Impeller: PPO 30%GF
- Pump head: cast Iron HT 200

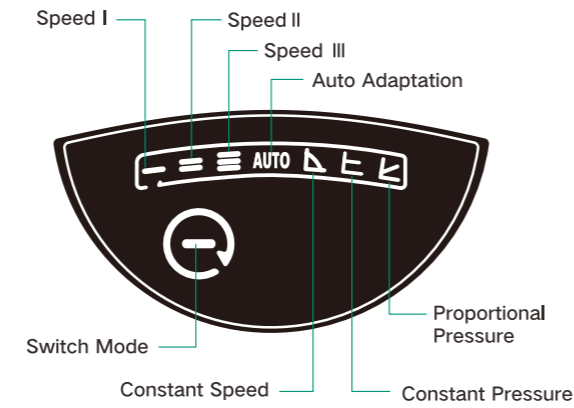
Advantages & Features

- Easy to install and start, various modes for selection.
- The PWM control function realizes the control of motor speed, which can meet different flow request from different system.
- Low noise-high comfort, the running noise as low as 42 decibels.
- Low energy consumption- the pump meets European energy efficiency A-level, the min energy consumption can reach 5W.
- Multiple protections-the pump equipped with multiple protections such as over voltage and over current protection to prevent the risky of motor burnt.
- EEI ≤ 0.23
- Releasable power plug connector can realize quick start and stop of the pump.

Pump Dimensions

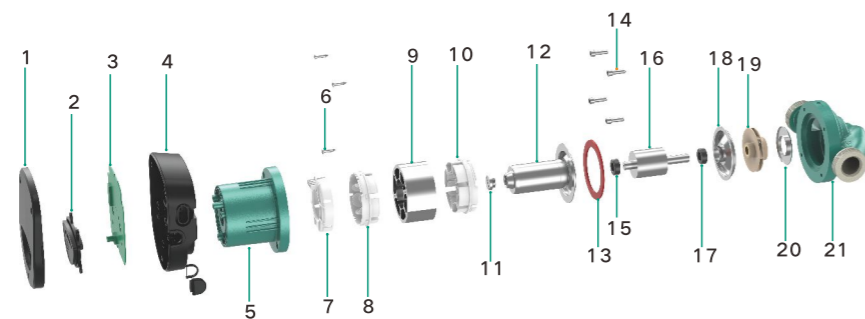


Led Display



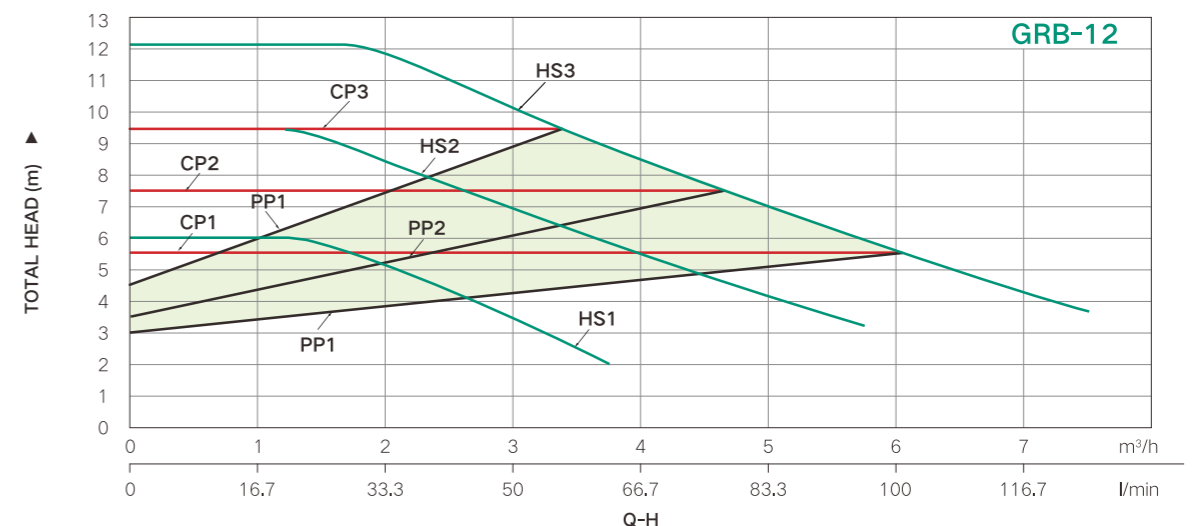
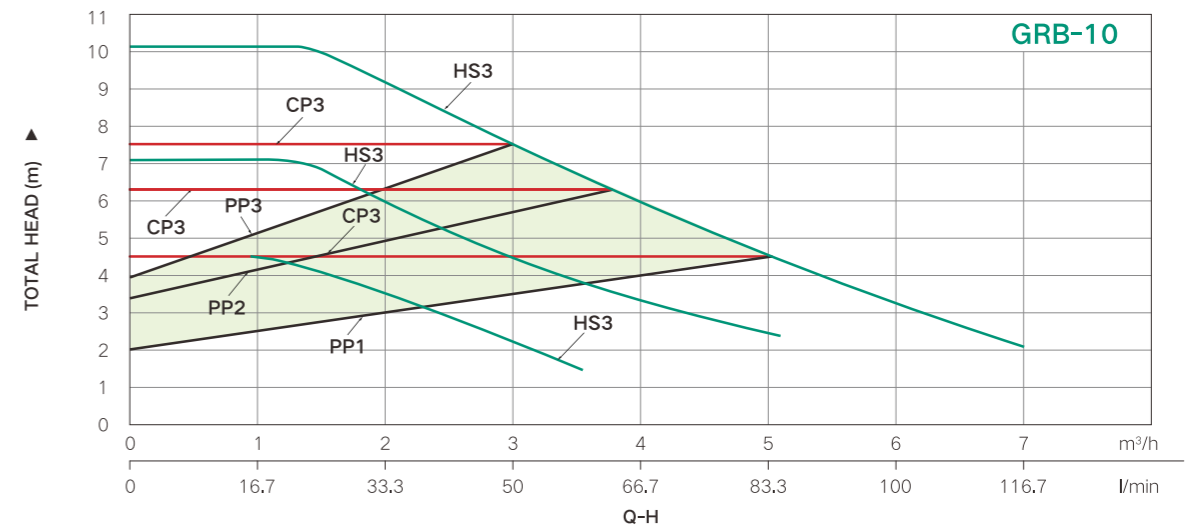
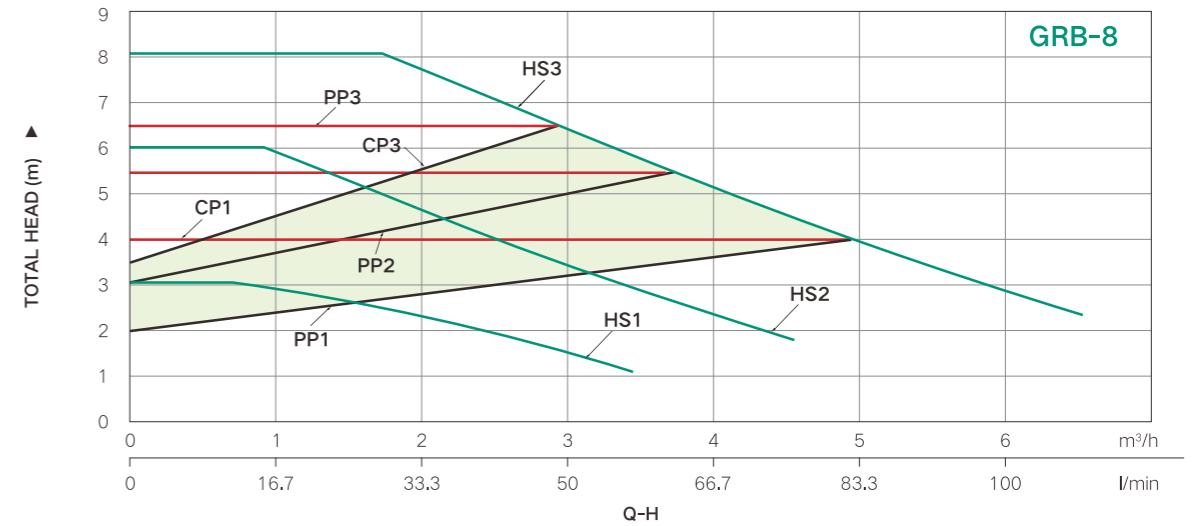
Model	Max Power	Max Flow	Max head	L1	L2	H1	H2	B1	B2	G	Connectors
	W	m ³ /h	m	mm	mm	mm	mm	mm	mm	In	In
GRB25/8	120	6.5	8	90	180	131,2	184,8	89,3	154,2	1 1/2"	1 1/2" to 1"
GRB32/8	120	7.5	8	90	180	131,2	184,8	89,3	154,2	2"	2" to 1 1/4"
GRB25/10	150	7	10	90	180	131,2	184,8	89,3	154,2	1 1/2"	1 1/2" to 1"
GRB32/10	150	8	10	90	180	131,2	184,8	89,3	154,2	2"	2" to 1 1/4"
GRB25/12	180	7.5	12	90	180	131,2	184,8	89,3	154,2	1 1/2"	1 1/2" to 1"
GRB32/12	180	8.5	12	90	180	131,2	184,8	89,3	154,2	2"	2" to 1 1/4"

Products Structure



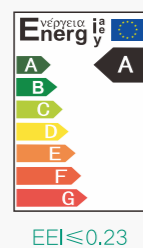
No.	Part	No.	Part	No.	Part	No.	Part
1	Terminal box cover	7	Wire protection cap	13	O ring	19	Impeller
2	Terminal box cover	8	Wire protection cap	14	Screws	20	Fix ring
3	PCB board	9	Stator	15	Position seal	21	Pump body
4	Terminal box	10	Wire protection cap	16	Shaft		
5	Motor housing	11	Air bolt	17	Position seal		
6	Terminal screws	12	Shield	18	Shield cover		

Performance Curves

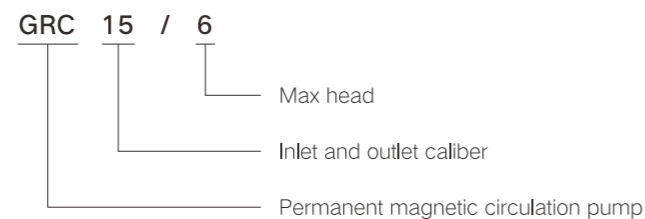


GRC

Intelligent Circulator Pump Series



Model Description



Applications

- Domestic water heaters, indoor pipeline circulation, air energy heat pumps, gas boiler hot water circulation.

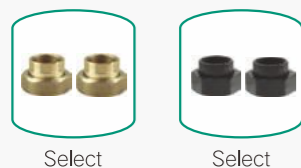


Working Conditions

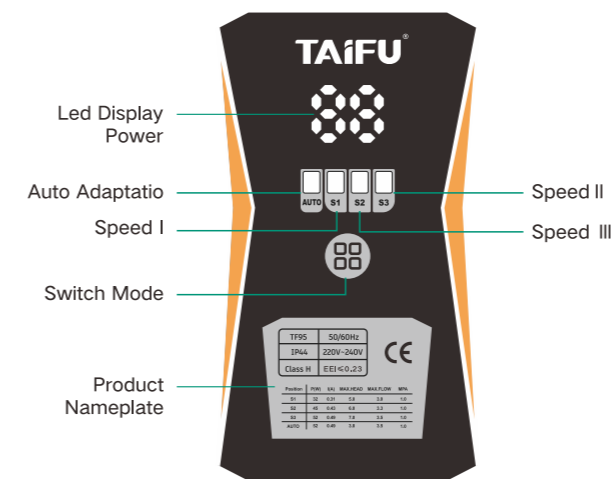
- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0°C to 40°C
- Maximum system pressure: 1MPa
- Protection class: IP44
- Supply voltage/frequency: 220V-50/60Hz
- Insulation class: H
- EEL ≤ 0.23
- Adaptive medium: clear water

Advantages & Features

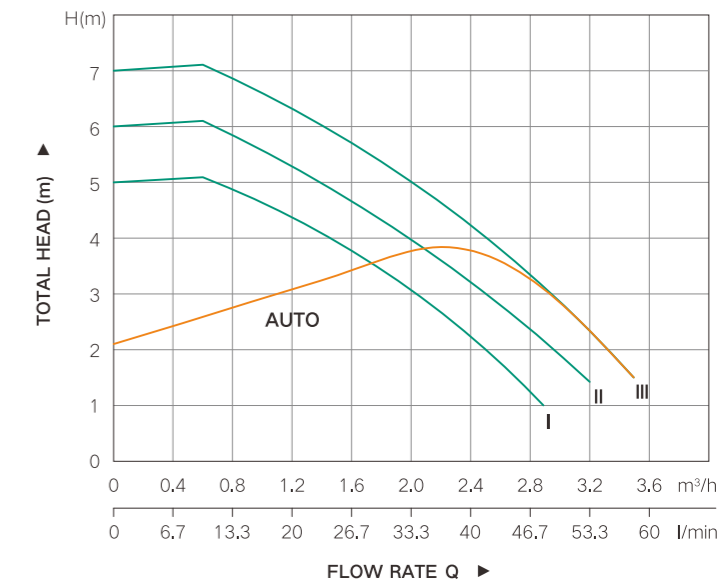
- The pump and system are integrated design, easy to install and suitable for use in small spaces.
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, pump noise is smaller and quieter.
- No mechanical seal, more effective in eliminate liquid leakage, suitable for variety liquids.
- Permanent magnet motor is more energy saving, saving more than half of the electricity per unit of time compared to the traditional electric pumps, but same efficiency.
- Intelligent pump, with a variety of operating modes, can be adapted to different applications, with multiple internal protection measures, more effective protection of the pump.



Led Display



Performance Curve

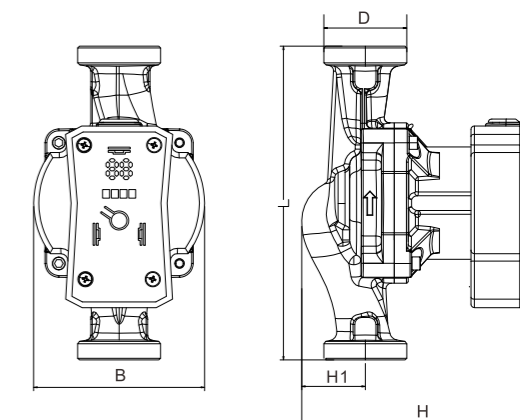


Performance Parameters

Model	Pump body length	Voltage	Power	Max. head	Max. flow rate
	mm				
GRC15/7-130	130	220	52	7	53.3
GRC25/7-130	130		52	7	58.3
GRC32/7-130	130		52	7	60
GRC25/7-180	180		52	7	58.3
GRC32/7-180	180		52	7	60

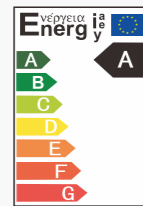
Pump Dimensions

Model	L	B	H	H1	D	Connectors
	mm	mm	mm	mm	In	
GRC15/7-130	130	98	135.7	36.5	1"	1"to3/4"
GRC25/7-130	130	98	135.7	36.5	1.5"	1.5"to1"
GRC32/7-130	130	98	135.7	36.5	2"	2"to1.2"
GRC25/7-180	180	98	135.7	36.5	1.5"	1.5"to1"
GRC32/7-180	180	98	135.7	36.5	2"	2"to1.2"



GRD

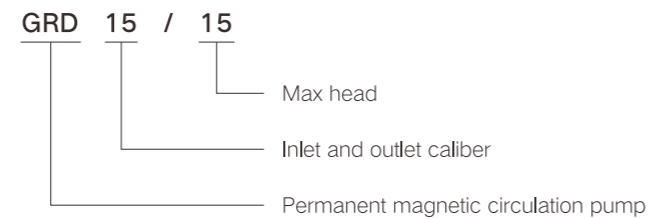
Intelligent Circulator Pump Series



EEI ≤ 0.23



Model Description



Applications

- Domestic water heaters, indoor pipeline circulation, air energy heat pumps, gas boiler hot water circulation, volumetric drainage pump.



Domestic heating and water supply system



Indoor pipeline circulation



Air energy heat pumps



Gas boiler hot water circulation



Volumetric drainage [ump]

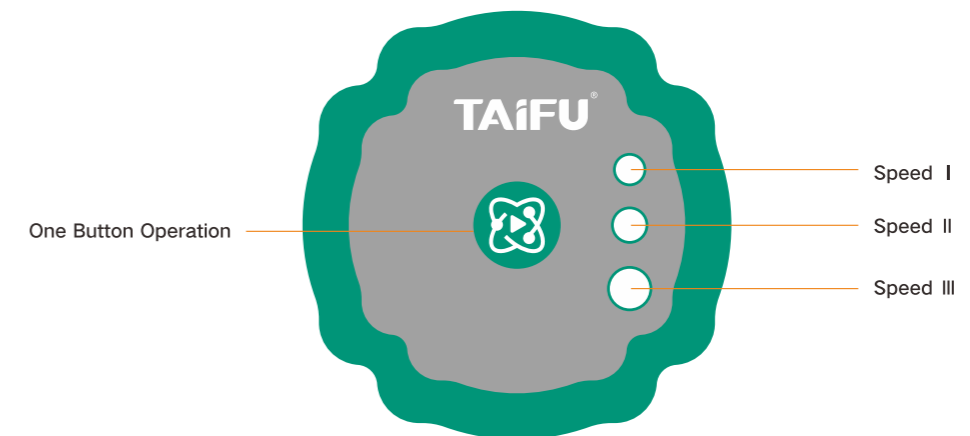
Working Conditions

- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0°C to 40°C
- Maximum system pressure: 1MPa
- Protection class: Ip44
- Supply voltage/frequency: 220V-50/60Hz
- Insulation class: H
- EEI ≤ 0.23
- Adaptive medium: clear water

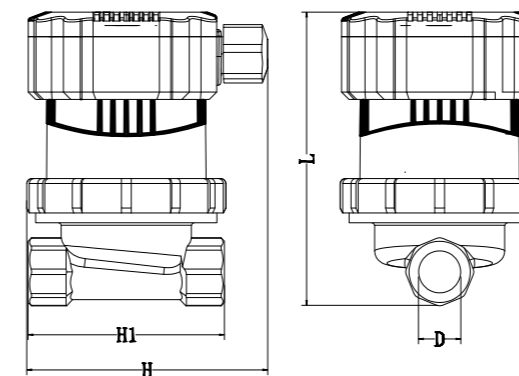
Advantages & Features

- The pump and system are integrated design, easy to install and suitable for use in small spaces
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, pump noise is smaller and quieter.
- No mechanical seal, more effective in eliminate liquid leakage, suitable for variety liquids.
- Permanent magnet motor is more energy saving, saving more than half of the electricity per unit of time compared to the traditional electric pumps, but same efficiency.
- Intelligent pump, with a variety of operating modes, can be adapted to different applications, with multiple internal protection measures, more effective protection of the pump.

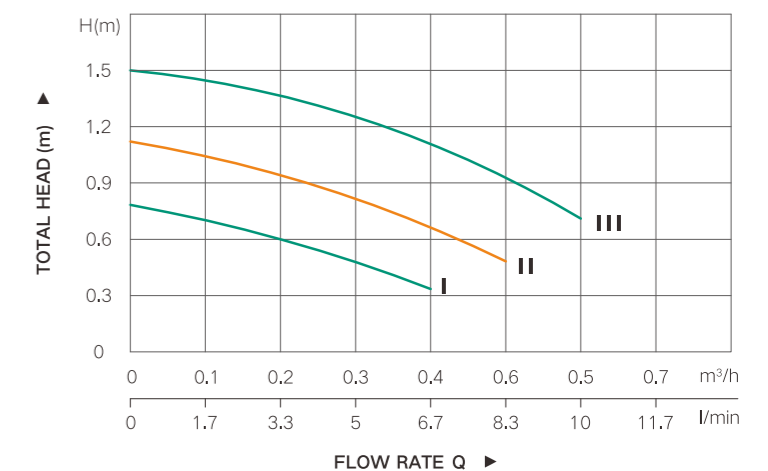
Led Display



Installation Dimensions



Performance Curve

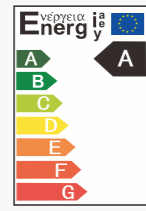


Performance Parameters

Model	Voltage	Current	Power	Max. head	Max. flow rate	L	H	H1	D
	V	A	W	m	m³/h	mm	mm	mm	In
GRD15/15	220	0.03	8	1.5	0.6	119.5	98.2	80	1/2"

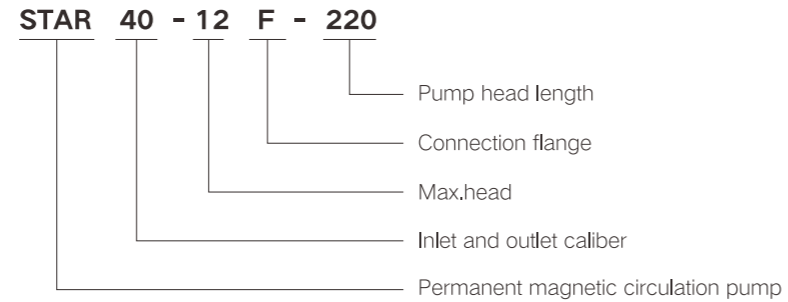
STAR 32/40/50/65

Intelligent Circulator Pump Series



EEI ≤ 0.23

Model Description



Applications

- Domestic water heaters, indoor pipeline circulation, air energy heat pumps, gas boiler hot water circulation.



Domestic water heaters | Indoor pipeline circulation | Air energy heat pumps | Gas boiler hot water circulation.

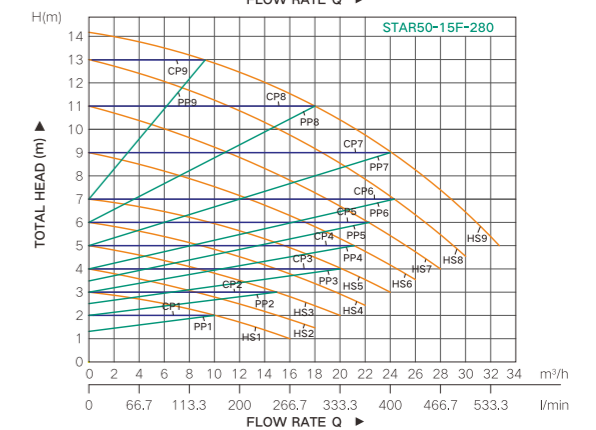
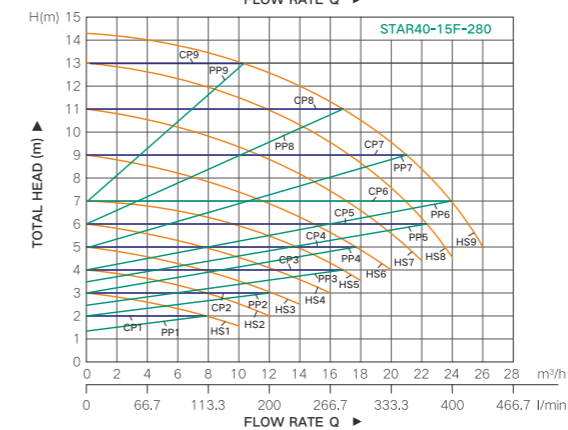
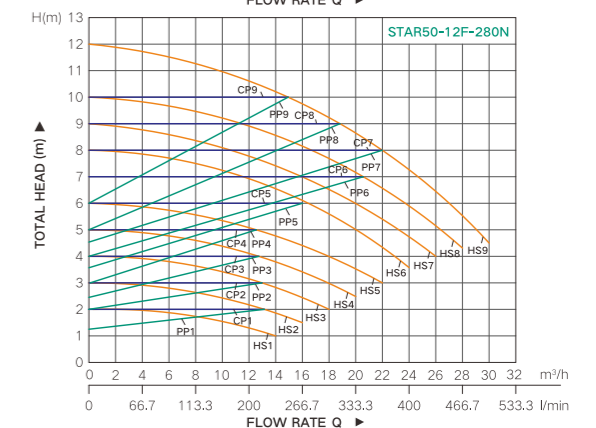
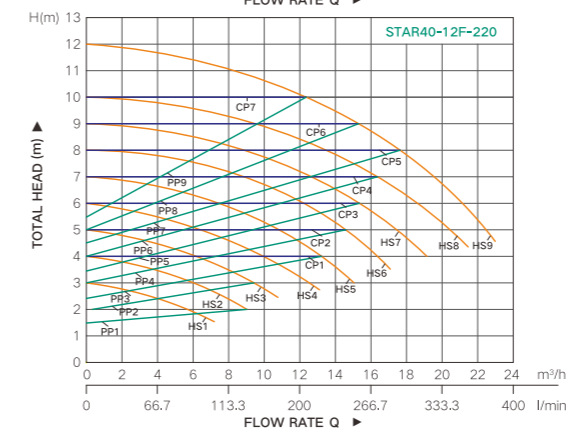
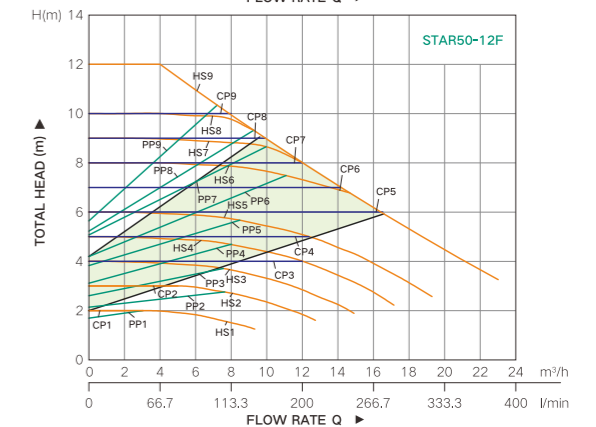
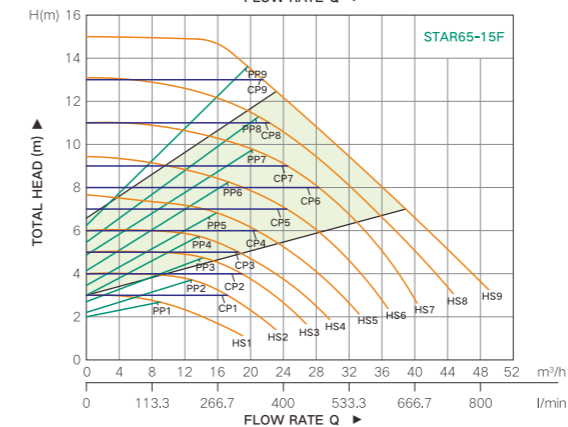
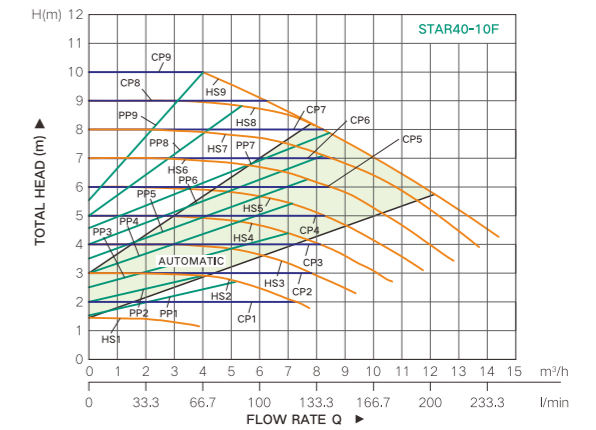
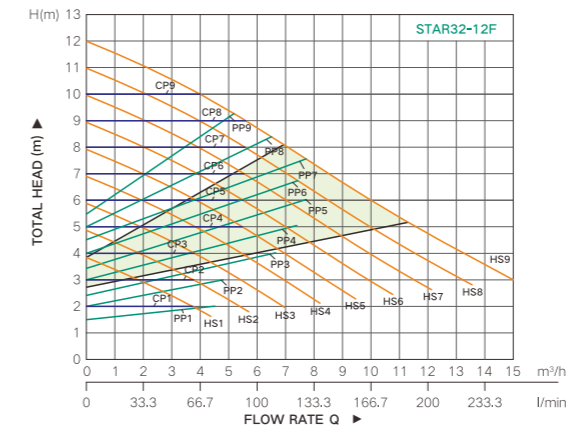
Working Conditions

- Supply voltage: 230V-50/60Hz
- Max. head range: 12-18m
- Max. flow range: 22-31m³/h
- Liquid temperature: +2°C to 110°C
- Power range: 630-1000W
- EEI ≤ 0.23
- Ambient temperature: 0°C to 40°C
- Enclosure protection class: IP44
- Insulation class: H

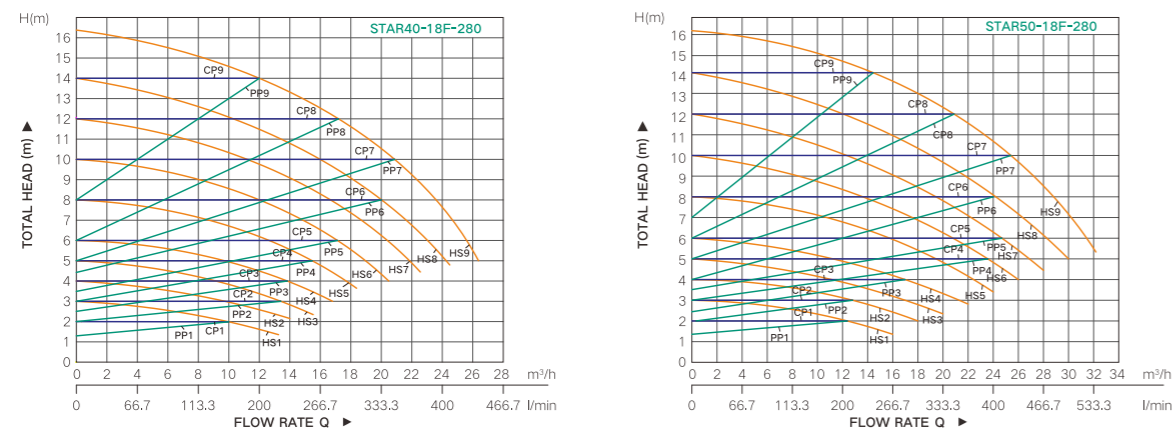
Advantages & Features

- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, less noise, more quiet.
- No mechanical seal, more effective in eliminating liquid leakage, suitable for various liquids.
- The permanent magnet motor is more energy efficient, saving more than half of the electricity per unit of time compared to traditional electric pumps, but same efficiency.
- Intelligent pump, with a variety of operating modes, can be adapted to different applications. with multiple internal protection measures, more effective protection of the pump.
- ERP Certification.

Performance Curve



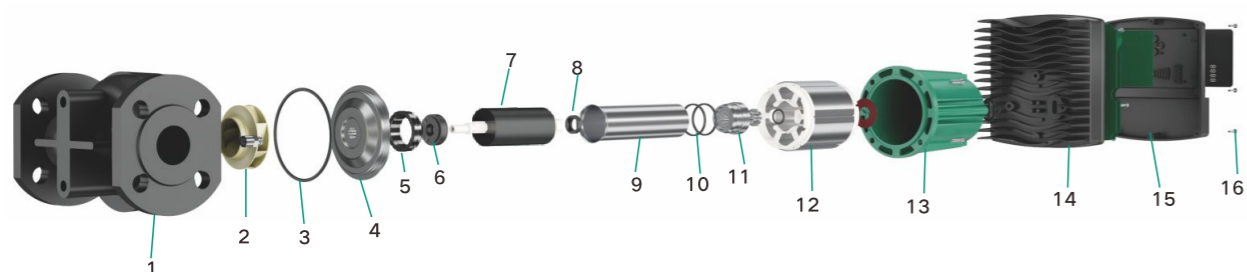
Performance Curve



Performance Parameters

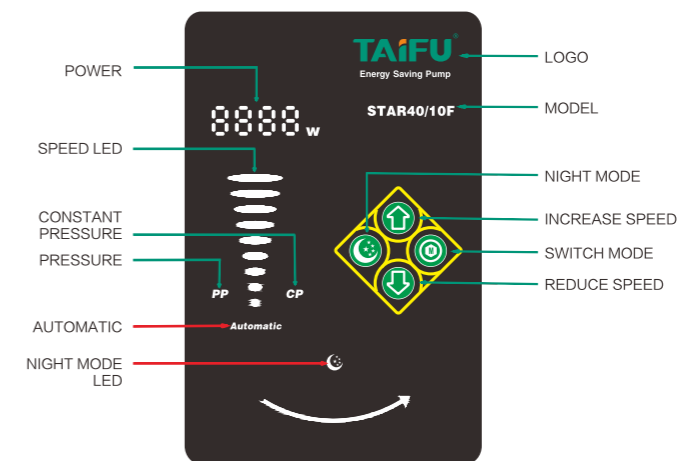
Model	Power	Max flow rate	Max.head	Inlet/Outlet
	W	l/min	m	In
STAR32-12F	340	250	12	DN32
STAR40-10F	340	233	10	DN40
STAR40-12F-220	630	366.7	12	DN40
STAR40-15F-220	790	400.0	15	DN40
STAR40-18F-220	900	416.7	18	DN40
STAR50-12F	560	383	12	DN50
STAR50-12F-280N	820	483.3	12	DN50
STAR50-15F-280	990	516.7	15	DN50
STAR50-18F-280	1000	516.7	18	DN50
STAR65-15F	1300	815	15	DN65

Product Structure

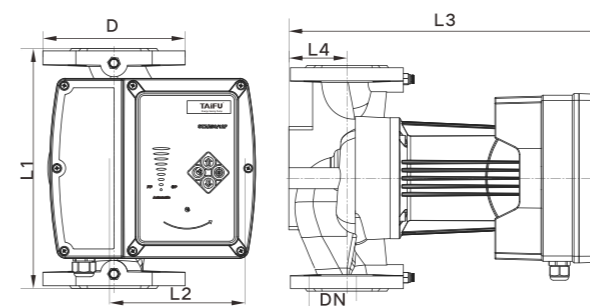


NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Pump body	5	Seal ring	9	Rotor Cover	13	Motor body
2	Impeller	6	Thrust bearing	10	O-ring	14	Electric control box
3	O-ring	7	Rotor	11	Shielding sleeve cover	15	Electric control board
4	Shield cover	8	Bearing	12	Stator	16	Bolt

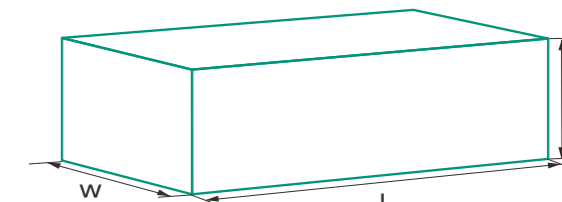
Led Display



Pump Dimensions



Packing Dimensions

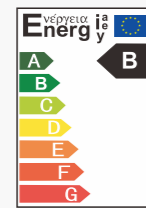


Model	L1	L2	L3	L4	D	DN
	mm	mm	mm	mm	mm	mm
STAR32-12F	220	165	388	65	150	32
STAR40-10F	220	165	388	65	150	40
STAR40-12F-220	220	165	388	65	150	40
STAR40-15F-220	220	165	388	65	150	40
STAR40-18F-220	220	165	388	65	150	40
STAR50-12F	280	165	395	72	165	50
STAR50-12F-280N	280	165	395	72	165	50
STAR50-15F-280	280	165	395	72	165	50
STAR50-18F-280	280	165	395	72	165	50
STAR65-15F	340	165	403	80	185	65

Model	L	W	H	PCS/CTN
	mm	mm	mm	
STAR32-12F	280	290	420	1
STAR40-10F	280	290	420	1
STAR40-12F-220	280	290	420	1
STAR40-15F-220	280	290	420	1
STAR40-18F-220	280	290	420	1
STAR50-12F	290	290	420	1
STAR50-12F-280N	290	290	420	1
STAR50-15F-280	290	290	420	1
STAR50-18F-280	290	290	420	1
STAR65-15F	350	290	430	1

GRS15/25/32

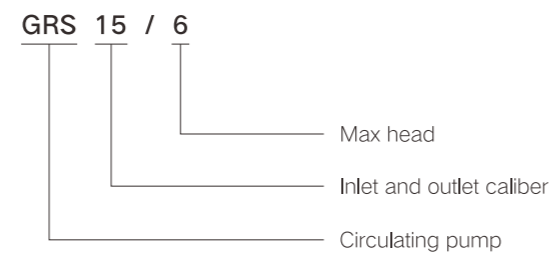
Pipeline Circulator Pump Series



EEL ≤ 0.21



Model Description



Applications

- Hot water circulation and heating systems, air conditioning systems, industrial circulation systems, domestic water booster.

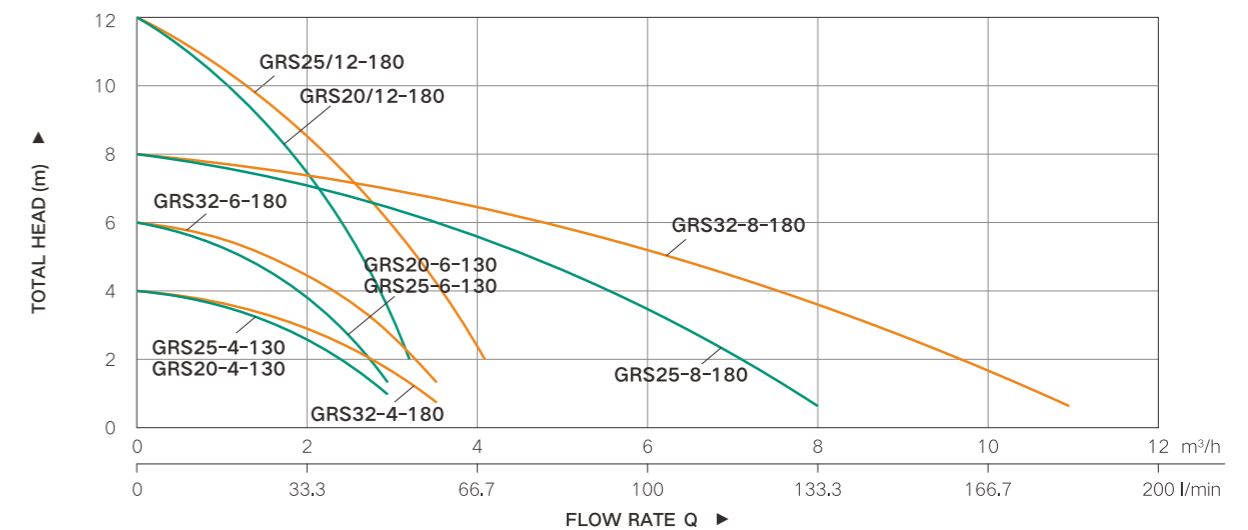
Working Conditions

- Supply voltage: 230V-50Hz
- Max.head: 4-8m
- Max.flow rate: 3-3.6m³/h
- Liquid temperature: +2°C to 110°C
- Power range: 88-225W
- Ambient temperature: 0°C to 40°C
- Protection class: IP44
- Insulation class: H

Motor and Pump Body

- The pump and system are integrated design, easy to install and suitable for use in small spaces.
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, less noise, more quiet.
- No mechanical seal, more effective in eliminating liquid leakage, suitable for various liquids.

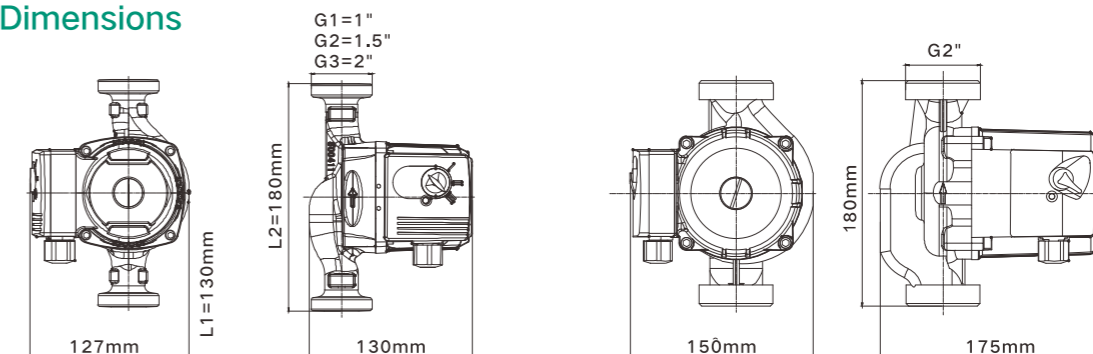
Performance Curve



Performance Parameters

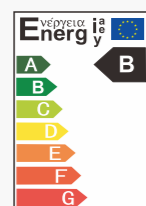
Model	Pump body length	Voltage	Power	Max. head	Max. flow rate	Inlet/Outlet
	mm					
GRS15-4-130	130	220	80/60/40	4/3/2	3.0/2.2/1.2	1"x1"
GRS25-4-130	130		80/60/40	4/3/2	3.1/2.3/1.3	1.5"x1.5"
GRS32-4-130	130		80/60/40	4/3/2	3.2/2.4/1.4	2"x2"
GRS15-4-180	180		80/60/40	4/3/2	3.0/2.2/1.2	1"x1"
GRS25-4-180	180		80/60/40	4/3/2	3.1/2.3/1.3	1.5"x1.5"
GRS32-4-180	180		80/60/40	4/3/2	3.2/2.4/1.4	2"x2"
GRS15-6-130	130		93/68/40	6/5/4	3.3/2.4/1.8	1"x1"
GRS25-6-130	130		93/68/40	6/5/4	3.4/2.5/1.9	1.5"x1.5"
GRS32-6-130	130		93/68/40	6/5/4	3.5/2.6/2.0	2"x2"
GRS15-6-180	180		93/68/40	6/5/4	3.3/2.4/1.8	1"x1"
GRS25-6-180	180		93/68/40	6/5/4	3.4/2.5/1.9	1.5"x1.5"
GRS32-6-180	180		93/68/40	6/5/4	3.5/2.6/2.0	2"x2"
GRS25-8-180	180		100/70/40	8/5/4	2.4/1.5/1.2	1.5"x1.5"
GRS25-8-180N	180		225/190/125	8/7/4	12.2/5.4/1.8	1.5"x1.5"
GRS32-8-180	180		225/190/125	8/7/4	10.2/5.4/1.8	2"x2"
GRS15/12-180	180		280/220/150	12/9/6	4.2/2.7/1.7	1"x1"
GRS25/12-180	180		280/220/150	12/9/6	4.2/2.7/1.7	1.5"x1.5"

Pump Dimensions



GRS 15/25/32TC

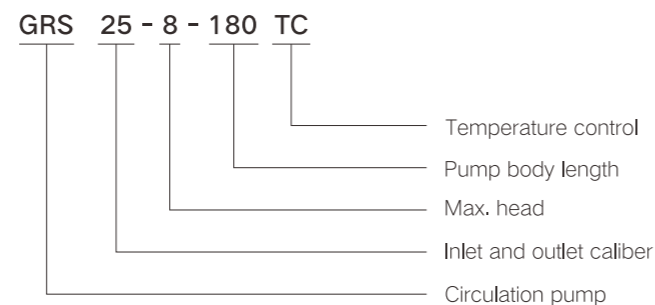
Pipeline Circulator Pump Series



EEL ≤ 0.21



Model Description



Applications

- When the temperature reaches the set point, the pump automatically stops running; when the temperature falls below the set point, the pump automatically turns on and runs.



Hot water cycle



Heating system



Air conditioning system



Industrial circulation system



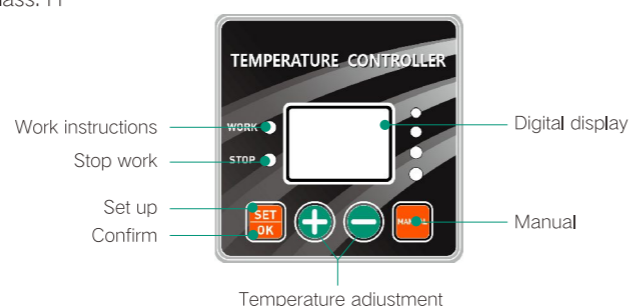
Domestic water pressurization

Working Conditions

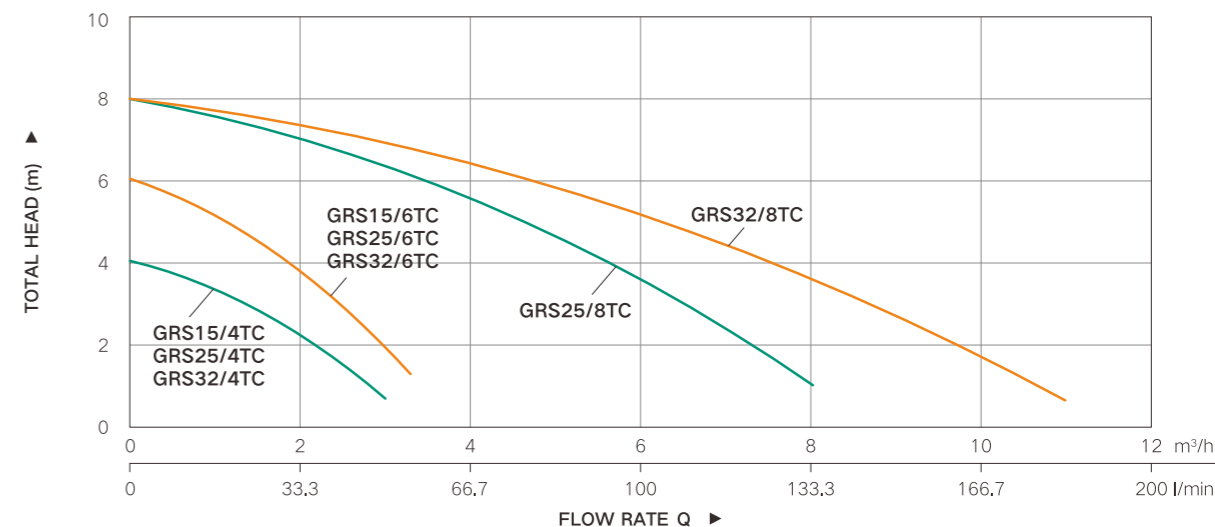
- Supply voltage: 230V - 50Hz
- Max. head: 4 - 8 m
- Max. flow rate: 3 - 3.6 m³/h
- Adjustable temperature range: 0 - 99°C
- Liquid temperature: +2°C to 110°C
- Power range: 88-225W
- Ambient temperature: 0°C to 40°C
- Protection class: IP44
- Insulation class: H

Benefits

- Smart controlling
- Adjustable temperature
- Digital display
- 100% copper wire motor
- Strong power
- Low-noise running



Performance Curve

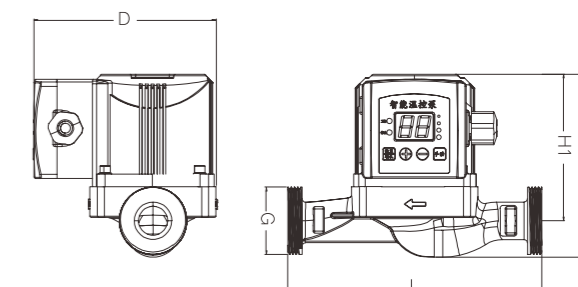


Performance Parameters

Model	Power	Max flow rate	Max.head	Connectors
	W	l/min	m	In
GRS15/4TC	80	50	4	1" to 3/4"
GRS25/4TC	80	50	4	1 1/2" to 1"
GRS32/4TC	80	50	4	2" to 1 1/4"
GRS15/6TC	100	55	6	1" to 3/4"
GRS25/6TC	100	55	6	1 1/2" to 1"
GRS32/6TC	100	55	6	2" to 1 1/4"
GRS25/8TC	225	140	8	1 1/2" to 1"
GRS32/8TC	225	170	8	2" to 1 1/4"

Pump Dimensions

Model	G	L	D	H	H1
	In	mm	mm	mm	mm
GRS15/4TC	1"	130/180	137	133	109.3
GRS25/4TC	1 1/2"	130/180	137	133	109.3
GRS32/4TC	2"	130/180	137	133	109.3
GRS15/6TC	1"	130/180	137	133	109.3
GRS25/6TC	1 1/2"	130/180	137	133	109.3
GRS32/6TC	2"	130/180	137	133	109.3
GRS25/8TC	1"	180	158.3	174.5	145
GRS32/8TC	1 1/2"	180	158.3	174.5	145



GRS-Z

Pipeline Circulator Pump Series

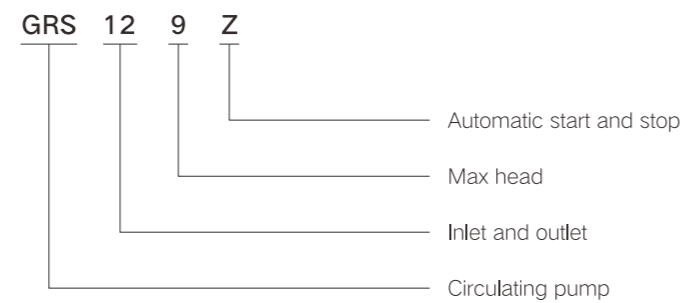


Brass



Cast iron

Model Description



Application Range

- Domestic water booster, solar booster, water heater booster, heating pipe booster, water tower water booster, industrial boiler booster.

Working Conditions

- Supply voltage: 230V-50Hz
- Max. head: 8.5-11m
- Max. flow rate: 25-53.3 l/min
- Liquid temperature: +2°C to 110°C
- Power range: 100-245W
- Ambient temperature: 0°C to 40°C
- Enclosure protection class: IP44
- Insulation class: H

Motor and Pump Body

- The pump and system are integrated design, easy to install and suitable for use in small spaces.
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, less noise, more quiet.
- No mechanical seal, more effective in eliminating liquid leakage, suitable for various liquids.
- Built-in water flow switch, with the manual, automatic and stop modes to choose and the automatic gear for automatic start/stop.

GRS-Z

Pipeline Circulator Pump Series

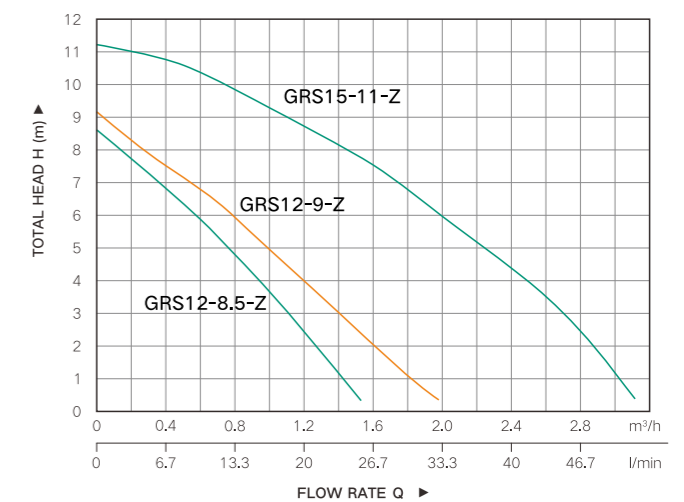


Brass



Cast iron

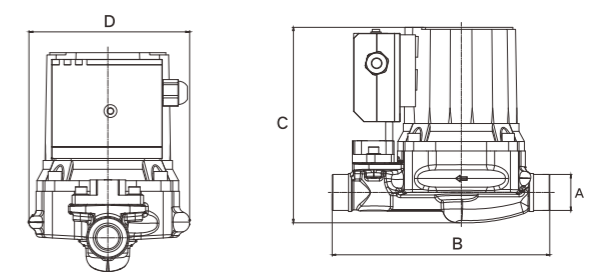
Performance Curve



Performance Parameters

Model 3 phase	Power	Max flow rate	Max.head	Inlet/Outlet
	W	l/min	m	In
GRS12/8,5-Z	100	25	8,5	3/4"x3/4"
GRS12/9-Z	120	30	9	3/4"x3/4"
GRS15/11-Z	245	53.3	11	1"x1"

Pump Dimensions



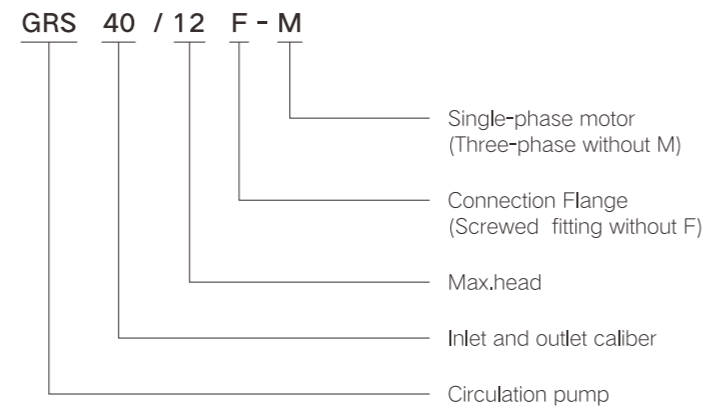
Model	A	B	C	D
	In	mm	mm	mm
GRS12/8,5-Z	3/4"	160	133	105,5
GRS12/9-Z	3/4"	160	144	105,5
GRS15/11-Z	1"	200	170	130

GRS-F-M

Pipeline Circulator Pump Series



Model Description



Applications

- Hot water circulation and heating systems
- Air conditioning system
- Industrial circulation systems
- Domestic water booster

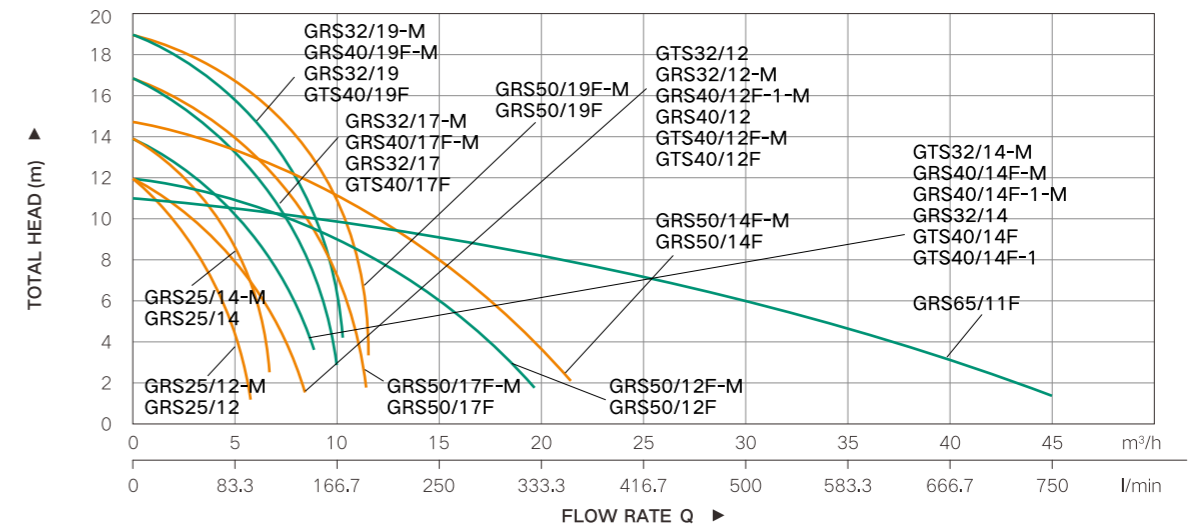
Working Conditions

- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0 °C to 40°C
- Maximum system pressure: 1M
- Protection class: IP44
- Supply voltage/frequency: 220V-50/60Hz
- Insulation class: H
- Adaptive medium: clear water

Advantages & Features

- The pump and system are integrated design, easy to install and suitable for use in small spaces.
- No rolling bearings, no need to add lubricating oil, no need to bother about vibration overload, very convenient maintenance.
- No motor fan, internal liquid circulation cooling, pump noise is smaller and quieter.
- No mechanical seal, more effective in eliminate liquid leakage, suitable for variety liquids.
- Excellent performance, high flow rate, and high lift.

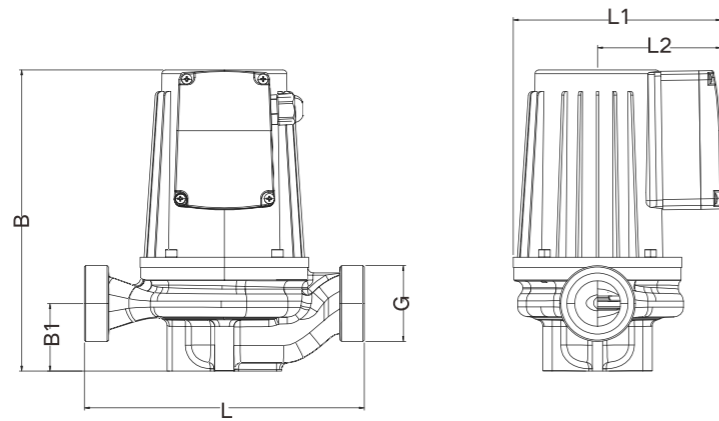
Performance Curve



Performance Parameters

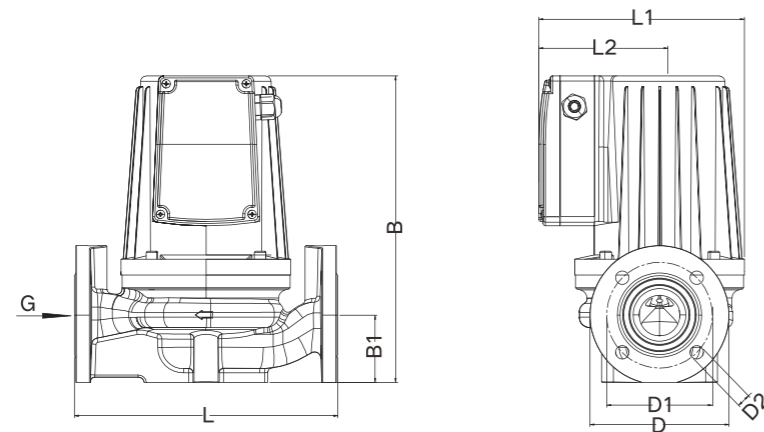
Model	Pump Body Length	Voltage	Current	Power	Rated head	Rated Flow	Max.head	Max. Flow Rate
	mm	V	A	W	m	m³/h	m	m³/h
GRS25/12-M	190	220	1.9	400	6	5	12	6
GRS32/12-M	220	220	1.9	400	5.5	6	12	9
GRS40/12F-1-M	220	220	1.9	600	7	5	12	9
GRS40/12F-M	220	220	1.9	600	7	5	12	9
GRS25/14-M	190	220	3	600	9.5	5	14	6.8
GRS32/14-M	220	220	3	600	9.5	5	14	8
GRS40/14F-1-M	220	220	3	600	9.5	6	14	9
GRS40/14F-M	220	220	3	600	9	6	14	9
GRS25/12	190	380	1.1	400	6	5	12	6
GRS32/12	220	380	1.1	400	5.5	6	12	8
GRS40/12F-1	220	380	1.1	400	7	5	12	9
GRS40/12F	220	380	1.1	400	7	5	12	9
GRS25/14	190	380	1.6	600	9.5	5	14	6.8
GRS32/14	220	380	1.6	600	9.5	5	14	8
GRS40/14F-1	220	380	1.6	550	9.5	6	14	9
GRS40/14F	220	380	1.6	550	9	6	14	9
GRS32/17-M	250	220	4.2	700	12	7	17	10
GRS40/17F-M	250	220	4.2	700	12	7	17	10
GRS50/17F-M	280	220	4.2	700	12	10	17	12
GRS32/19-M	250	220	5.1	900	14	7	19	10
GRS40/19F-M	250	220	5.1	900	14	7	19	10
GRS50/19F-M	280	220	5.1	900	12	10	19	15
GRS32/17	250	380	1.9	700	12	7	17	10
GRS40/17F	250	380	1.9	700	12	7	17	10
GRS50/17F	280	380	1.9	700	12	10	17	12
GRS32/19	250	380	2.4	900	14	7	19	10
GRS40/19F	250	380	2.4	900	14	7	19	10
GRS50/19F	280	380	2.4	900	12	10	19	15
GRS50/12F-M	280	220	4.9	1100	7	15	12	18
GRS50/15F-M	280	220	5.4	1100	11	21	15	21
GRS50/12F	280	380	2.8	1100	7	15	12	18
GRS50/15F	280	380	3.2	1100	11	15	15	21
GRS65-11F	340	380	2.8	1500	6	45	11	45

Pump Dimensions



Model	G	L	L1	L2	B	B1
	In	mm	mm	mm	mm	mm
GRS25/12	1-1/2"	190	163.5	97.5	237	53
GRS25/12-M	1-1/2"	190	163.5	97.5	237	53
GRS25/14	1-1/2"	190	163.5	97.5	237	53
GRS25/14-M	1-1/2"	190	163.5	97.5	237	53
GRS32/12	2"	220	163.5	97.5	237	53
GRS32/12-M	2"	220	163.5	97.5	237	53

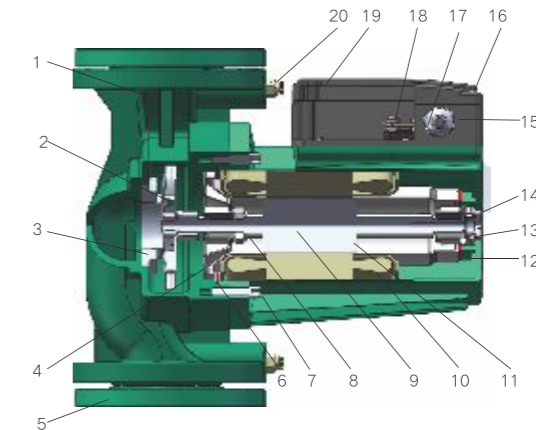
Model	G	L	L1	L2	B	B1
	In	mm	mm	mm	mm	mm
GRS32/14	2"	220	163.5	97.5	237	53
GRS32/14-M	2"	220	163.5	97.5	237	53
GRS32/17	2"	250	195	114.5	291	64
GRS32/17-M	2"	250	195	114.5	291	64
GRS32/19	2"	250	195	114.5	291	64
GRS32/19-M	2"	250	195	114.5	291	64



Model	G	L	L1	L2	B	B1	B	B1	B2
	mm	mm	mm	mm	mm	mm	mm	mm	mm
GRS40/12F	40	220	163.5	97.5	237	53	130	97	13
GRS40/12F-M	40	220	163.5	97.5	237	53	130	97	13
GRS40/12F-1	40	220	163.5	97.5	237	53	130	97	13
GRS40/12F-1-M	40	220	163.5	97.5	237	53	130	97	13
GRS40/14F	40	220	163.5	97.5	237	53	130	97	13
GRS40/14F-M	40	220	163.5	97.5	237	53	130	97	13
GRS40/14F-1	40	220	163.5	97.5	237	53	130	97	13
GRS40/14F-1-M	40	220	163.5	97.5	237	53	130	97	13
GRS40/17F	40	250	195	114.5	291	64	130	97	13
GRS40/17F-M	40	250	195	114.5	291	64	130	97	13
GRS40/19F	40	250	195	114.5	291	64	130	97	13

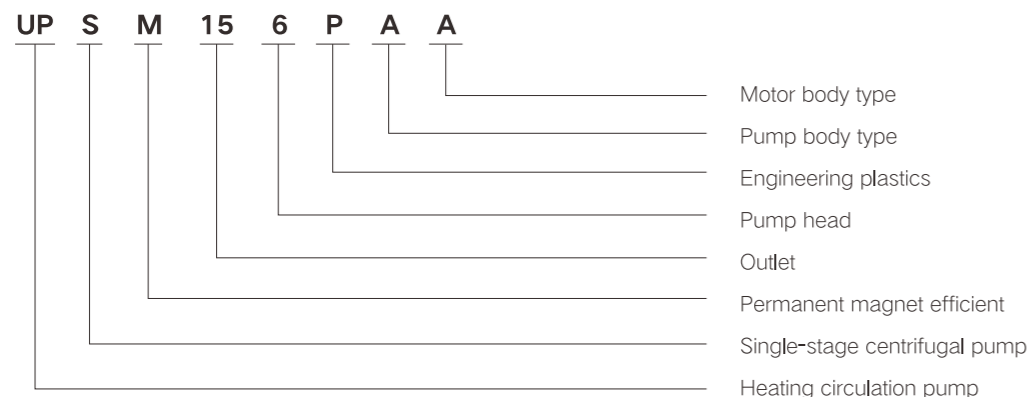
Model	G	L	L1	L2	B	B1	B	B1	B2
	mm	mm	mm	mm	mm	mm	mm	mm	mm
GRS40/19F-M	40	250	195	114.5	291	64	130	97	13
GRS50/17F	50	280	202	115.5	308	76.5	140	110	18
GRS50/19F	50	280	202	115.5	308	76.5	140	110	18
GRS50/17F-M	50	280	202	115.5	308	76.5	140	110	18
GRS50/19F-M	50	280	202	115.5	308	76.5	140	110	18
GRS50/12F	50	280	205	115.5	315	76.5	165	125	18
GRS50/12F-M	50	280	205	115.5	315	76.5	165	125	18
GRS50/15F	50	280	205	115.5	315	76.5	165	125	18
GRS50/15F-M	50	280	205	115.5	315	76.5	165	125	18
GRS65/11F	65	340	225	126	330	80	188	145	18

Product Structure



NO.	Part	NO.	Part
1	Pump body	11	Rotor
2	Impeller	12	Water washer
3	Sealing ring	13	O-ring
4	Shield cover	14	Air screw
5	Flange	15	Sheath
6	Pump body gasket	16	Bolt
7	Bolt	17	Electric control box
8	Locking ring	18	Terminal block
9	Rotor shaft	19	Terminal board cover
10	Coil	20	Venting screw

Model Meaning:



Introduction

● UPSP series pumps are suitable for the gas (electric) wall hanging furnace heating system. The pump can run in the heating circulation pipeline at the speed of three gear. The circulating water will produce oxygen, nitrogen and so on in the process of repeated heating cycle. The existence of these gases will aggravate the corrosion of the system pipe and form gas plugging to reduce heating effect. A lot of energy is wasted, or the phenomenon of vortex cavitation occurs, which makes the running noise of the pump increase. The self placed exhaust valve in the UPSP pump can quickly discharge the liquid entrainment of the pipe. At the same time, when the system produces negative pressure, the water surface of the exhaust valve cavity falls, the exhaust valve opens, and the air passes through the vent to prevent the negative pressure from the harm.

Product Feature

- Wall hung gas boiler pump is composed of stator, rotor, shield cover, pump body, vent valve and soon.
- Sealing: stator and rotor sealed up with stainless steel shield cover, integral structure sealed up with heat-resisting rubber washer, rather than mechanical seal. This ensures no leakage.
- Lubrication and cooling: use internal circulation, lubricated and cooled by circulated liquid.
- Motor: Insulation class is H. Motor has two series of permanent magnet and three speed control.
- Protection Class: IP42
- Noise: The noise of pump that works in a boiler with rated flow is less than 42 dB(A).

Automatic Exhaust

● The TAIFU UPSP series pump is a water pump with built-in automatic air separator that discharges air from the system. The air-containing liquid is guided from the inlet to the nozzle of the air separation chamber. The decelerated liquid at this time will jointly drive the air to separate from the liquid, and the air will escape the pump through the automatic exhaust valve of the air separation chamber. (Note: The air separator water pump is only suitable for upward water flow).

Upsp Series Performance Curve and Technical Parameters

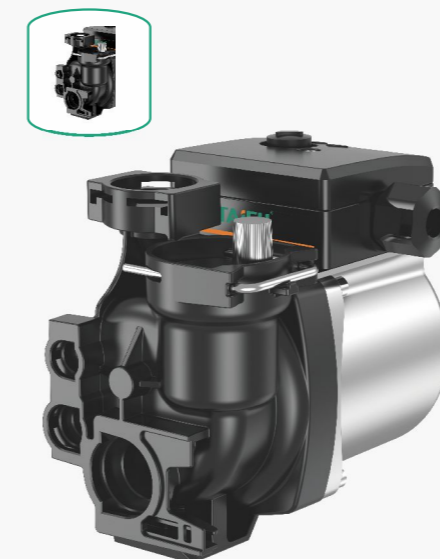
- The pump is an AC efficient circulating pump and the pump motor has 2 poles on the basis of UPS optimization and
- upgrading, the pump saves about 20% energy compared with the same specifications of AC pumps

The performance curve test conditions are as follows

- Test clean water without air.
- Test water temperature (20°C-25°C).
- All curves show averages. however, it cannot be used as a security curve. for specific curve performance, a separate test must be performed.
- TAIFU UPSP series pump curve is suitable for liquids with kinematic viscosity $U=1\text{mm}^2/\text{S}$ (1cst).

UPSP-A

Boiler Pump Series



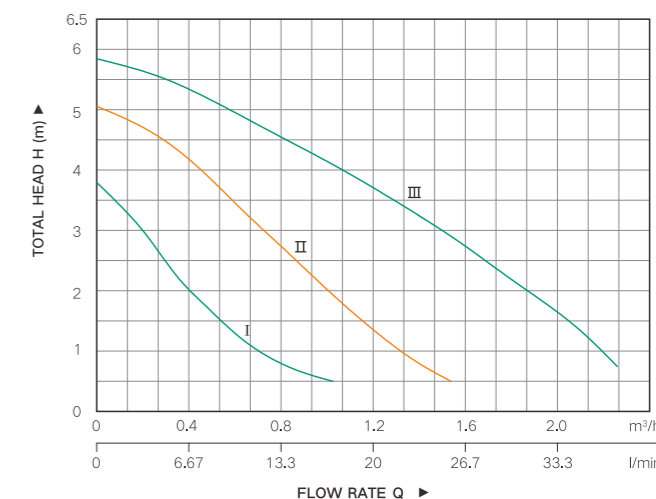
UPS15-5PA/A



UPS15-5PB/A

Two types of pump body for selection

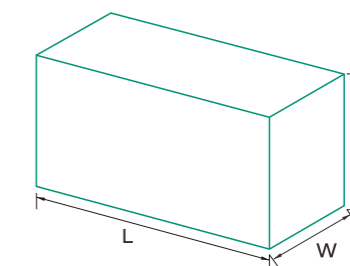
Performance Curve



Performance Parameters

Model		UPS15-5PA(B)/A	UPS15-6PA(B)/A
Input power	V/Hz	220/50	220/50
Max power	W	90	95
Max flow rate	l/min	36	38
Max head	m	5	6
Temperature	°C	0~95	0~95
Water pressure	bar	3	3
Inlet/Outlet	In	3/4"	3/4"

Packing Dimensions



Model	L	W	H	PCS/CTN
	mm	mm	mm	
UPS15-5PA(B)/A	480	350	170	8
UPS15-6PA(B)/A	480	350	170	8

UPSP-B

Boiler Pump Series

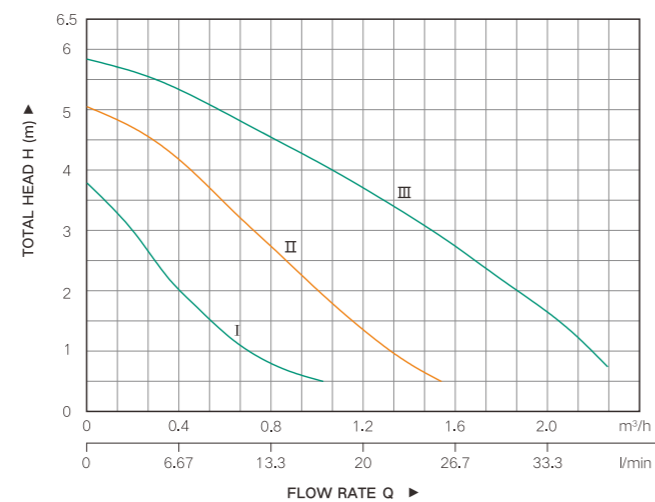


UPS15-6PA/A



UPS15-6PB/B

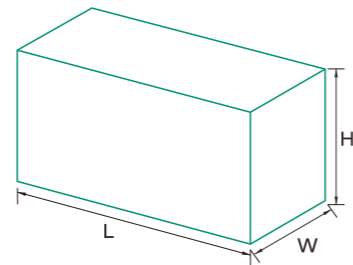
Performance Curve



Performance Parameters

Model		UPS15-5PA(B)/B	UPS15-6PA(B)/B
Input power	V/Hz	220/50	220/50
Max power	W	90	95
Max flow rate	l/min	36	38
Max head	m	5	6
Temperature	°C	0~95	0~95
Water pressure	bar	3	3
Inlet/Outlet	In	3/4"	3/4"

Packing Dimensions



Model	L	W	H	PCS/CTN
	mm	mm	mm	
UPS15-5PA(B)/B	480	350	170	8
UPS15-6PA(B)/B	480	350	170	8

UPM

Boiler Pump Series

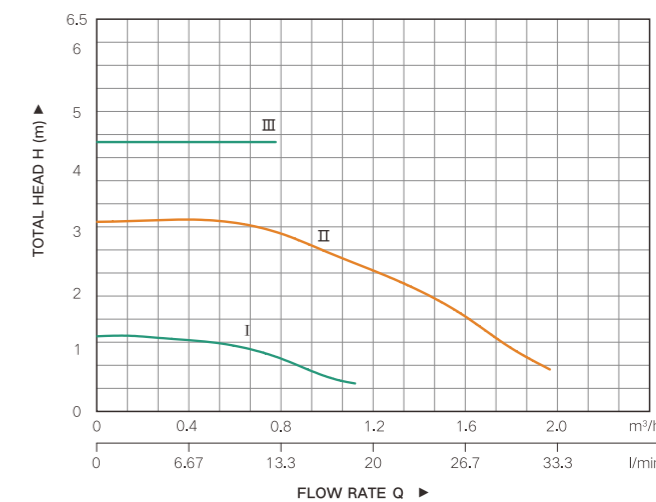


UPM15-6PA/A



UPM15-6PB/A

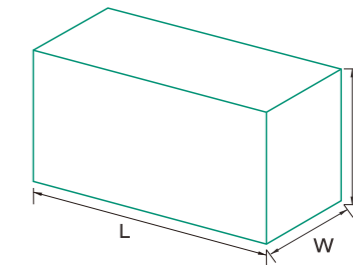
Performance Curve



Performance Parameters

Model		UPM15-5PA(B)/A	UPM15-6PA(B)/A
Input power	V/Hz	220/50	220/50
Max power	W	45	45
Max flow rate	l/min	36	38
Max head	m	5	6
Temperature	°C	0~95	0~95
Water pressure	bar	3	3
Inlet/Outlet	In	3/4"	3/4"

Packing Dimensions



Model	L	W	H	PCS/CTN
	mm	mm	mm	
UPM15-5PA(B)/A	480	350	170	8
UPM15-6PA(B)/A	480	350	170	8

UPS

Boiler Pump Series



Long Life



Super Silent



Heat-resistance



Convenient Installation



Model Description

UPS 15 / 5



Working Conditions

- Liquid temperature: 2°C to 110°C
- Ambient temperature: 0°C to 40°C
- Insulation Class: H
- Supply Voltage: 220V-50Hz
- System pressure: 1Mpa(max)
- Medium requirements: Clear water

Advantages & Features

Long Life

The inner cavity is cooled by pumping liquid to delay insulation aging. High hardness and wear resistant ceramic bearing compared with the previous graphite sleeve is stronger, more wear resistant and offers a longer service life.

Super Silent

The bushing is lubricated by the pumped liquid for lower noise

Heat-resistance

Impeller and motor made of high temperature resistant materials. suitable for conveying the temperature of 2°C-110°C liquid, used for domestic hot water circulation and pressurization.

Convenient Installation

The pump and system are integrated design, space-saving and easy to install and suitable for use in small space.

Multi-Speed

Pump has three speeds that can be manually adjusted to meet different performance levels. Pump performance needs can change based on the configuration of a plumbing system or to meet periods of low and high demand.

Applications



Domestic Water Booster



Hot Water Circulation and Heating System

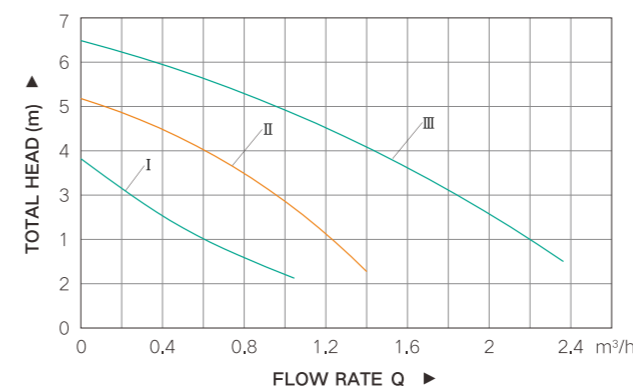


Industrial Circulation Systems



Air Conditioning System

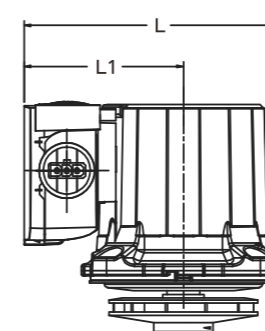
Performance Curve



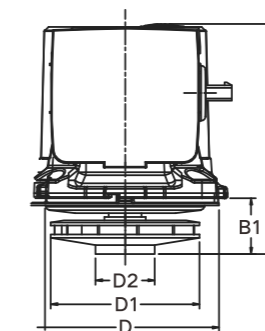
Performance Parameters

Model	Max flow rate	Max.head	Power	Voltage	Current
	m³/h	m	W	V	A
UPS15/5	2.33/1.45/0.95	6.5/5.1/3.8	86/64/32	220	0.4/0.3/0.2

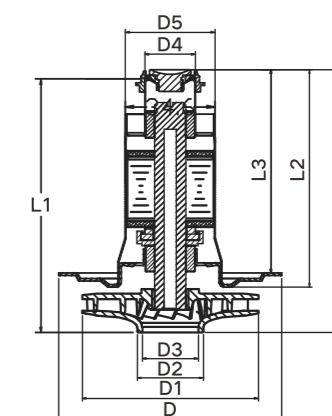
Pump Dimensions



P1: UPS15/5



P2: P1W

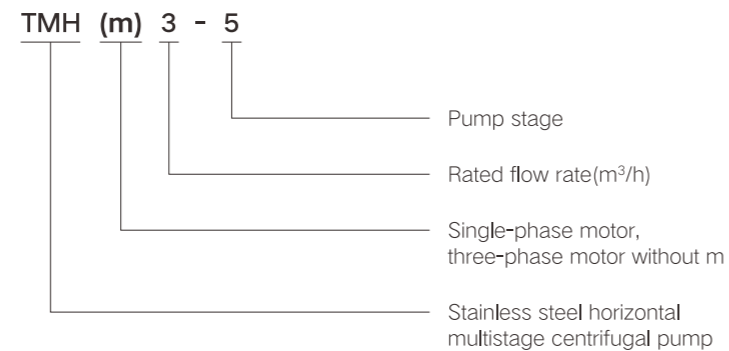


Model	L	L1	L2	L3	B	B1	D	D1	D2	D3	D4	D5
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
UPS15/5	119.5	73			105.2	25.6	86	68	68.6			
P1W	101.6	97.9	84.2	78.7			86	68	25.6	21.6	19.6	34.9

TMH

Stainless Steel Horizontal
Multistage Centrifugal Pump

Model Description

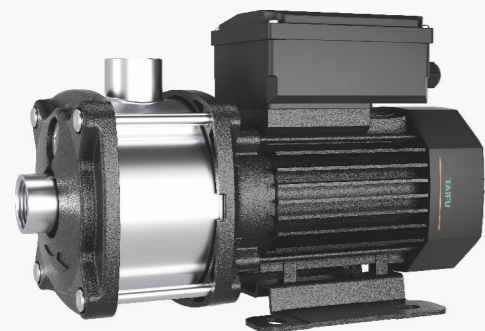


Working Conditions

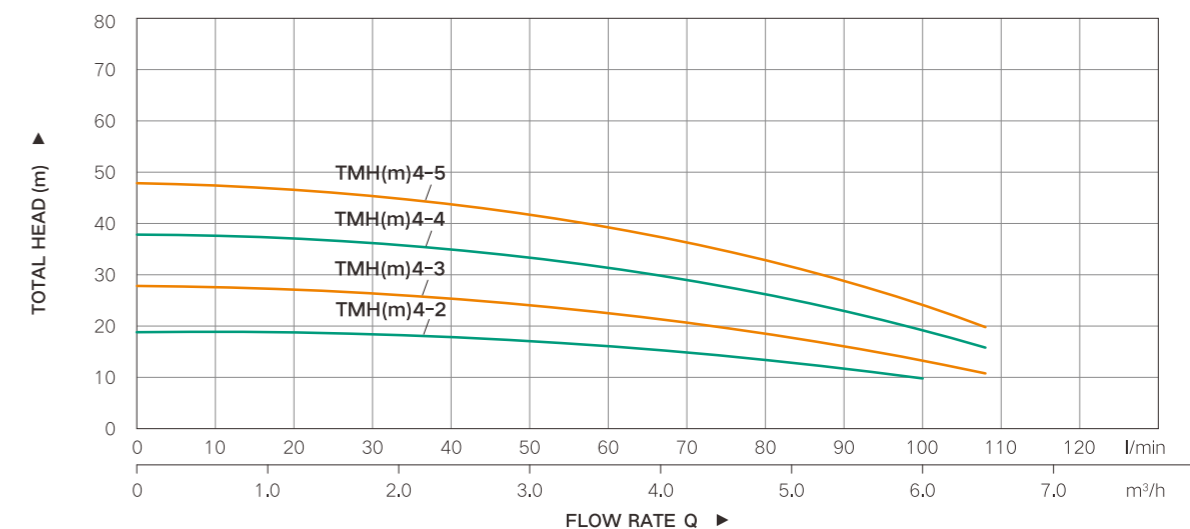
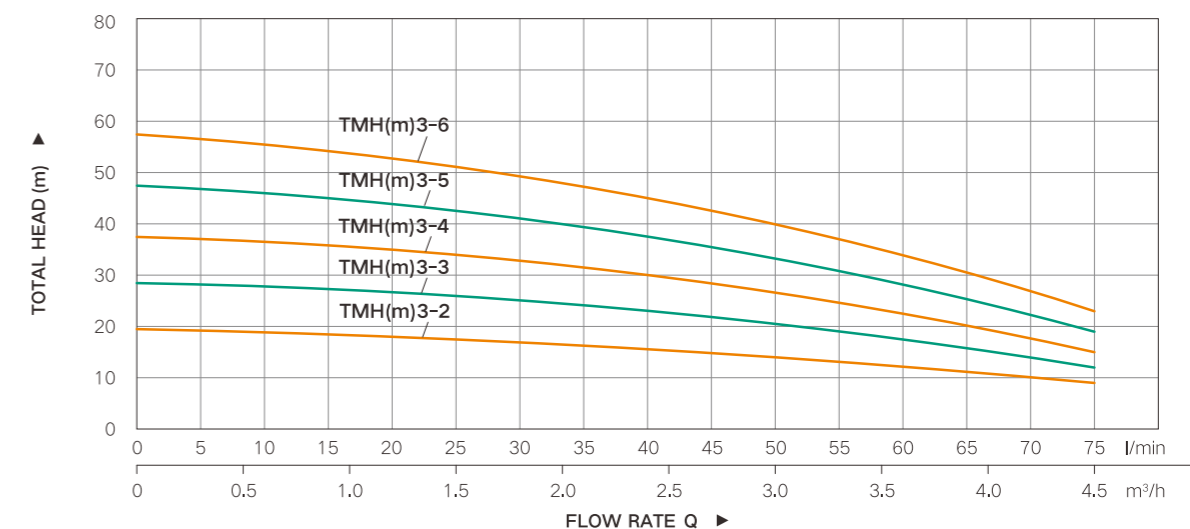
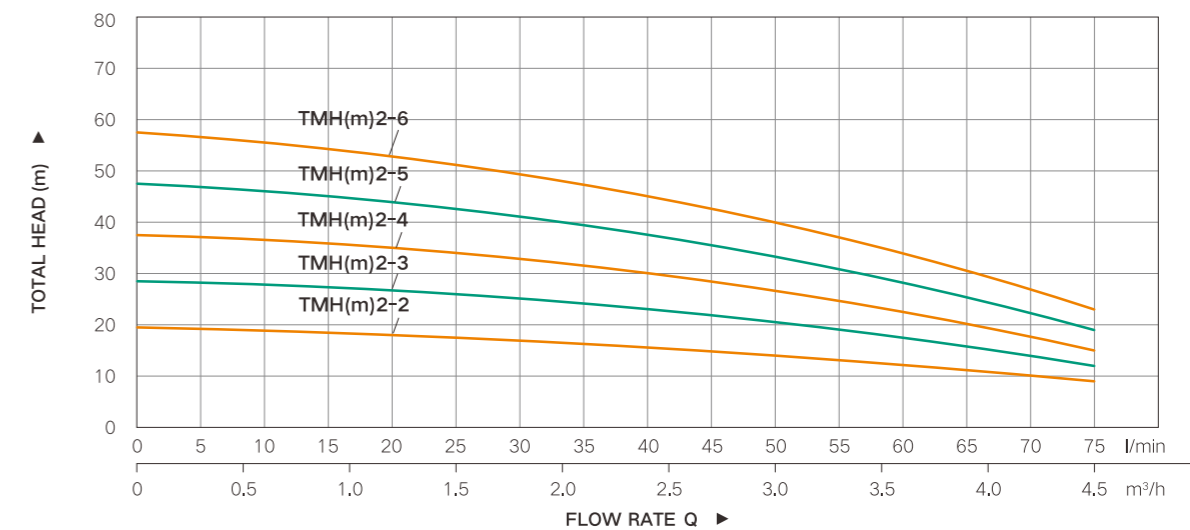
- Thin and clean liquid that cannot react chemically with the pump material, non inflammable and explosive liquid without solid particles and fibers.
- When the density of the conveying medium is bigger than clean water, a big power motor is required.
- Medium temperature range: 0°C~60°C
- Maximum ambient temperature: +40°C
- Maximum installation height: related to factors such as pump NPSH (cavitation margin), medium temperature, sea level height of installation location, and inlet pipeline loss and so on.
- Maximum working pressure: 10bar
- Maximum inlet pressure: limited by the maximum working pressure

Advantages & Features

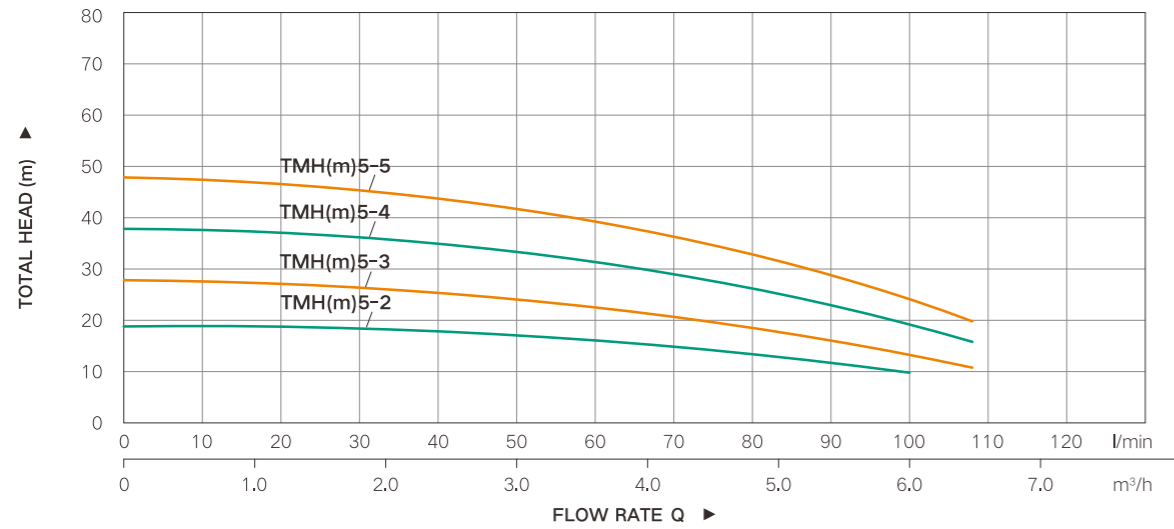
- Fully enclosed, air-cooled, squirrel-cage motor
- Working mode: S1
- Protection class: IPX4
- Insulation class: F
- Standard voltage: single phase 220V/50Hz
three phase 380V/50Hz
- Single phase motor equip with a built-in thermal overload protector, three phase motor must be connected to motor starter according to local regulations
- Impeller, pump body, diffuser: stainless steel 304 (stainless steel 316 for selection)



Performance Curve



Performance Curve

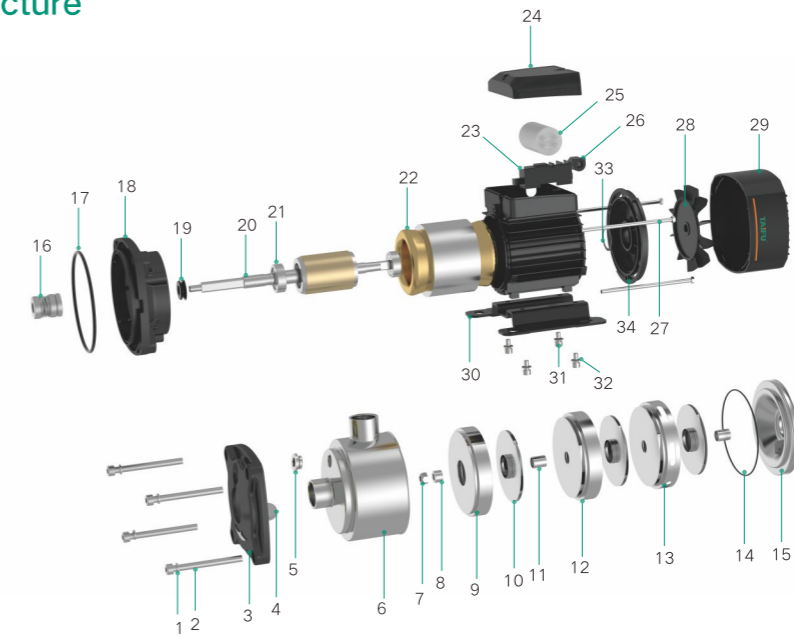


Performance Parameters

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	H(m)									
	kW	HP			0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
TMH(m)2-2	0.25	0.3	1"x1"	19.5	18.5	18	17.5	16.5	15	14.5	13	11	9	
TMH(m)2-3	0.37	0.5	1"x1"	28.5	27.5	26	25.5	24.5	23	21	18	16	12	
TMH(m)2-4	0.55	0.75	1"x1"	37.5	36.5	35.5	34	32	30.5	28	25	21	15	
TMH(m)2-5	0.55	0.75	1"x1"	47.5	46	44.5	42.5	40	37.5	35	30	25	19	
TMH(m)2-6	0.75	1.0	1"x1"	57.5	55.5	53.5	52	48	45	41	35	31	23	
TMH(m)3-2	0.25	0.3	1"x1"	19.5	18.5	18	17.5	16.5	15	14.5	13	11	9	
TMH(m)3-3	0.37	0.5	1"x1"	28.5	27.5	26	25.5	24.5	23	21	18	16	12	
TMH(m)3-4	0.55	0.75	1"x1"	37.5	36.5	35.5	34	32	30.5	28	25	21	15	
TMH(m)3-5	0.55	0.75	1"x1"	47.5	46	44.5	42.5	40	37.5	35	30	25	19	
TMH(m)3-6	0.75	1.0	1"x1"	57.5	55.5	53.5	52	48	45	41	35	31	23	

Model	Power		Inlet/Outlet In	Q(m³/h) Q(l/min)	H(m)							
	kW	HP			0	1	2	3	4	5	6	6.5
TMH(m)4-2	0.37	0.5	1.2"x1"	19	18	17.5	16.5	15.5	13	10		
TMH(m)4-3	0.55	0.75	1.2"x1"	28	26.5	25	23	21.5	18	14	11	
TMH(m)4-4	0.75	1.0	1.2"x1"	38	36	35	33	30	25	18	16	
TMH(m)4-5	0.75	1.0	1.2"x1"	48	46	43	40	37.5	32	24	20	
TMH(m)5-2	0.37	0.5	1.2"x1"	19	18	17.5	16.5	15.5	13	10		
TMH(m)5-3	0.55	0.75	1.2"x1"	28	26.5	25	23	21.5	18	14	11	
TMH(m)5-4	0.75	1.0	1.2"x1"	38	36	35	33	30	25	18	16	
TMH(m)5-5	0.75	1.0	1.2"x1"	48	46	43	40	37.5	32	24	20	

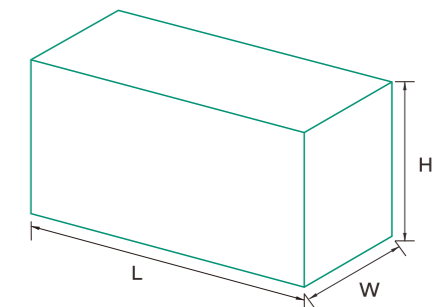
Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Spring washer	10	Impeller	19	Water washer	28	Fan
2	Stud	11	Bearing sheath	20	Rotor	29	Fan cover
3	Pump cover	12	Second stage difussor	21	Bearing	30	Base board
4	Screw	13	End stage difussor	22	Stator	31	Nut
5	Screw	14	O-ring	23	Terminal board	32	Gasket
6	Pump body	15	Seal seat	24	Terminal box	33	Spring washer
7	Locknut	16	Mechanical seal	25	Capacitor	34	Motor end cover
8	Bearing sheath	17	O-ring	26	Cable sheath		
9	First stage difussor	18	Motor front cover	27	Screw		

Package Dimensions

Model	L	W	H
	mm	mm	mm
TMH(m)2-2	369	184	252
TMH(m)2-3	369	184	252
TMH(m)2-4	386	184	252
TMH(m)2-5	405	184	252
TMH(m)2-6	458	199	272
TMH(m)4-2	369	184	252
TMH(m)4-3	369	184	252
TMH(m)4-4	422	199	272
TMH(m)4-5	440	199	272



TUP

Hot Water Centrifugal Pump

Application Range

- Solar energy booster, water heater pressurization, air energy booster, hot water booster.

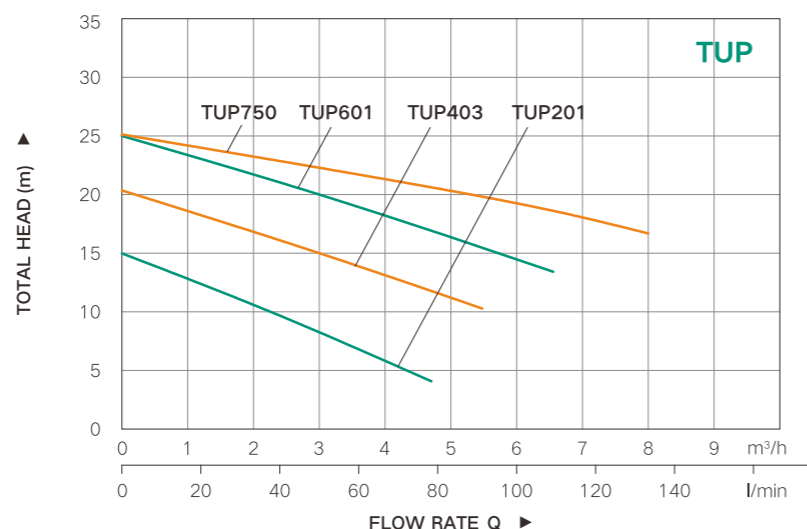
Working Conditions

- Ambient temperature does not exceed +40°C
- Maximum working pressure: 0.8Mpa
- The medium temperature range: 0~+90°C
- The maximum voltage fluctuation value does not exceed ± 10% of the rated value.

Advantages & Features

- Wide applications: Apply to industrial and urban water supply, high-rise building pressure boosting, fire-fighting systems, garden irrigation, long-distance water transport and other fields. Widely used for HVAC, hot and cold water circulating pressure boosting and supporting facilities, etc.
- Corrosion-resistant rotor shaft: The rotor shaft is welded with high quality No.45 steel and 304 stainless steel.
- Corrosion-resistant pump body: Cast iron pump body with electrophoretic anti-rust treatment.
- Long motor service life: F-class insulation, temperature resistance of 155 degrees.
- Special machine seal: The product adopts special machine seal to prevent machine seal adsorption.
- Enhanced material: PPO reinforced eco-friendly impeller.
- Low noise: Low vibration and electromagnetic noise to offer users a better experience.

Performance Curve



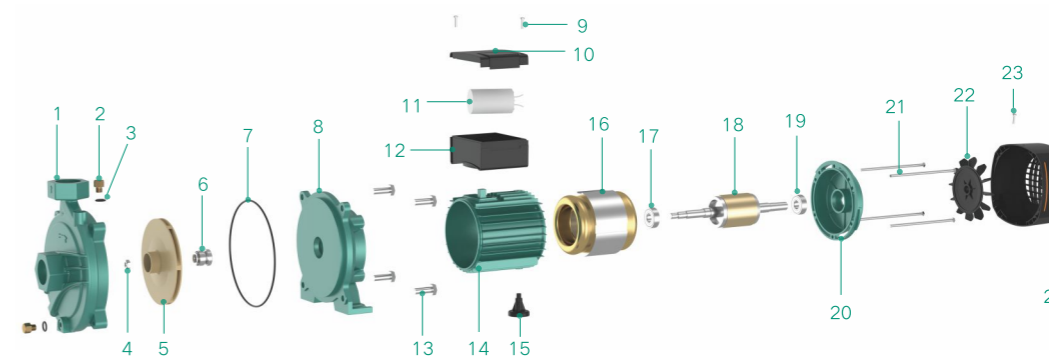
Model Description



Performance Parameters

Model	Max. flow rate	Rated flow rate	Max. head	Rated head	Power	Voltage	Inlet/Outlet
	m³/h	m³/h	m	m	kW	V	In
TUP201	4.8	2.3	15	10	0.2	220	1"
TUP403	5.4	3	21	15	0.4	220	1"/1.2"
TUP601	6.9	3	25	20	0.6	220	1"
TUP750	8	6.6	25	17.5	0.75	220	1.2"

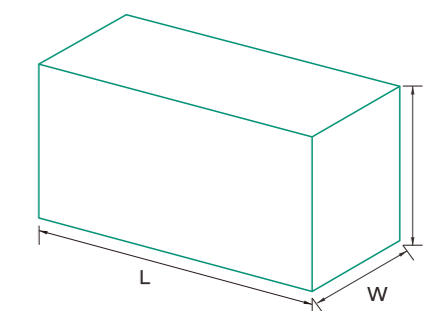
Product Structure



NO.	Part	NO.	Part	NO.	Part	NO.	Part
1	Pump body	7	O-ring	13	Stud	19	Bearing
2	Stud	8	Motor front cover	14	Motor body	20	Motor end cover
3	O-ring	9	Screw	15	Foot	21	Stud
4	Locknut	10	Terminal board	16	Coil	22	Screw
5	Impeller	11	Capacitor	17	Bearing	23	Fan
6	Mechanical Seal	1	Terminal board	18	Rotor	24	Fan cover

Package Dimensions

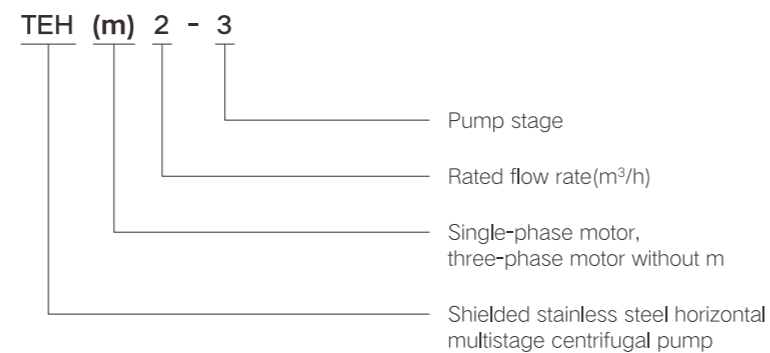
Model	L	W	H
	mm	mm	mm
TUP201	300	180	225
TUP403	350	210	250
TUP601	350	210	250
TUP750	350	210	250



TEH

Shielded Stainless Steel Horizontal Multistage Centrifugal Pump

Model Description



Application Range

- Air conditioning systems, cooling systems, industrial cleaning, water supply and booster systems, water treatment systems data centers and energy storage temperature control systems field.

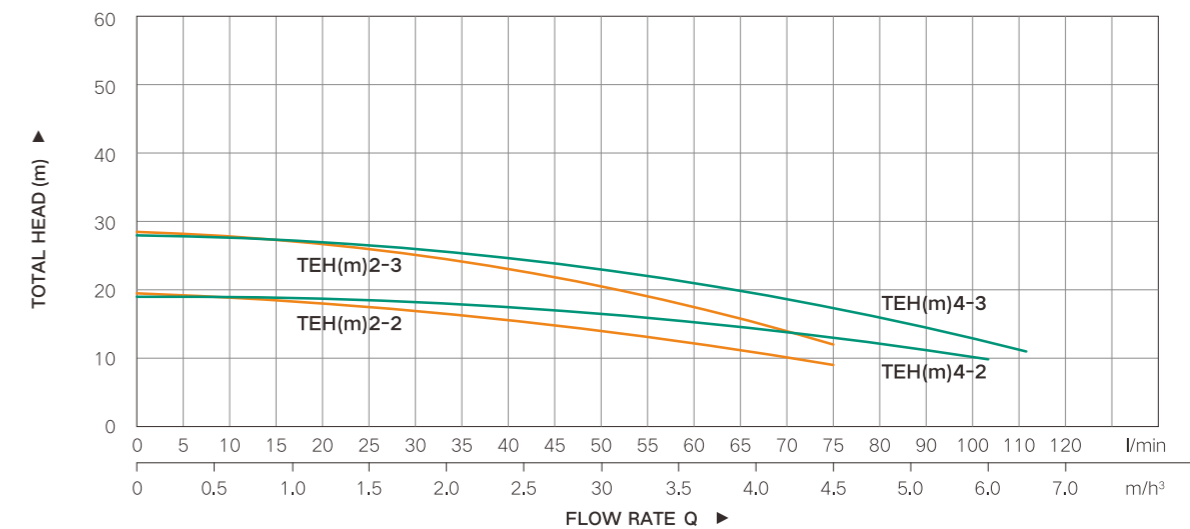
Working Conditions

- Liquid temperature: -40°C to 95°C
- Ambient temperature: -40°C to 55°C
- Maximum system pressure: 10bar
- Protection class: IP55
- Supply voltage/frequency: Single-phase 220V/50Hz
Three-phase 380V/50Hz
- Insulation class: F
- Applicable medium: Thin and clean liquid that cannot react chemically with the pump material, non inflammable and explosive liquid without solid particles and fibers. (more applicable to the glycol solution with a concentration of ≤55%)
- Maximum installation height: related to the pump's NPSH (cavitation margin), media temperature, installation location of the sea level height and inlet pipeline loss and other factors

Advantages & Features

- Stator coil potting technology, anti-condensation.
- Shielded motor with wet rotor technology, low noise.
- No mechanical seal, no leakage.
- No rolling bearing adopts sliding bearing, maintenance free.
- High-quality stainless steel overcurrent parts, corrosion-resistant and anti-aging.

Performance Curves



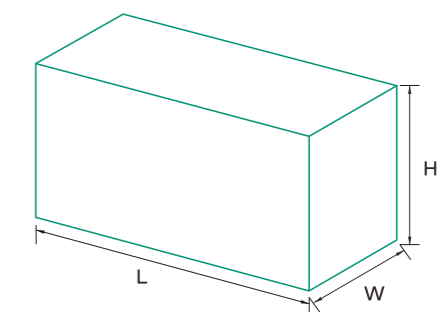
Performance Parameters

Model	Power		Inlet/Outlet	Q(m³/h)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
	kW	HP			0	8.3	16.7	25	33.3	41.7	50	58.3	66.7	75
TEH(m)2-2	0.25	0.3	1"x1"	H(m)	19.5	18.5	18	17.5	16.5	15	14.5	13	11	9
TEH(m)2-3	0.37	0.5	1"x1"		28.5	27.5	26	25.5	24.5	23	21	18	16	12

Model	Power		Inlet/Outlet	Q(m³/h)	0	1	2	3	4	5	6	6.5
	kW	HP			0	16.7	33.3	50	33.3	83.3	100	108
TEH(m)4-2	0.37	0.5	1.2"x1"	H(m)	19	18	17.5	16.5	15.5	13	10	
TEH(m)4-3	0.55	0.75	1.2"x1"		28	26.5	25	23	21.5	18	14	11

Package Dimensions

Model	L	W	H
	mm	mm	mm
TEHm2-2	369	184	252
TEHm2-3	369	184	252
TEHm4-2	369	184	252
TEHm4-3	369	184	252



QDX-L

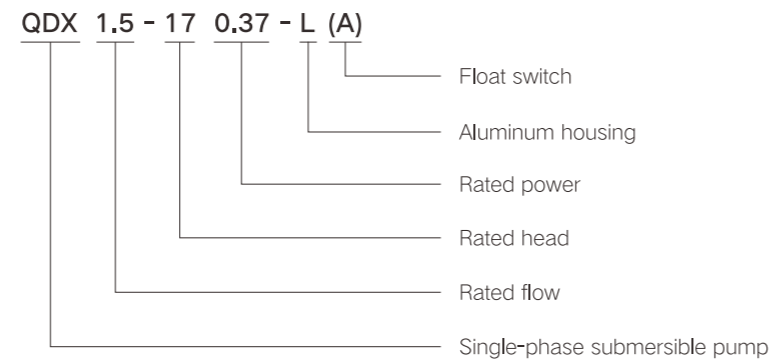
Submersible Pump



For Selection



Model Description



Application Range

- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, aquaculture and industrial water removing.

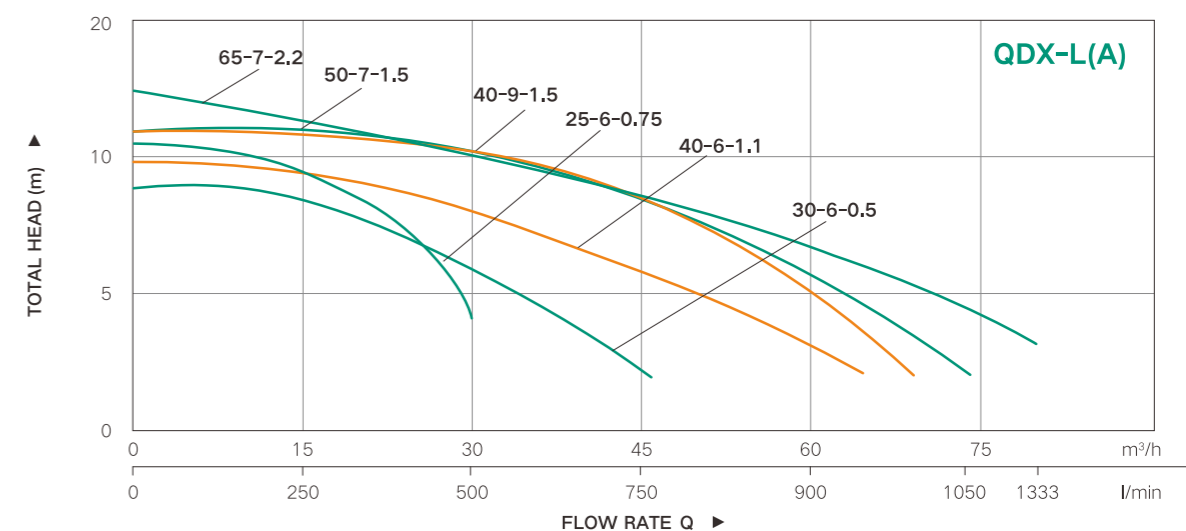
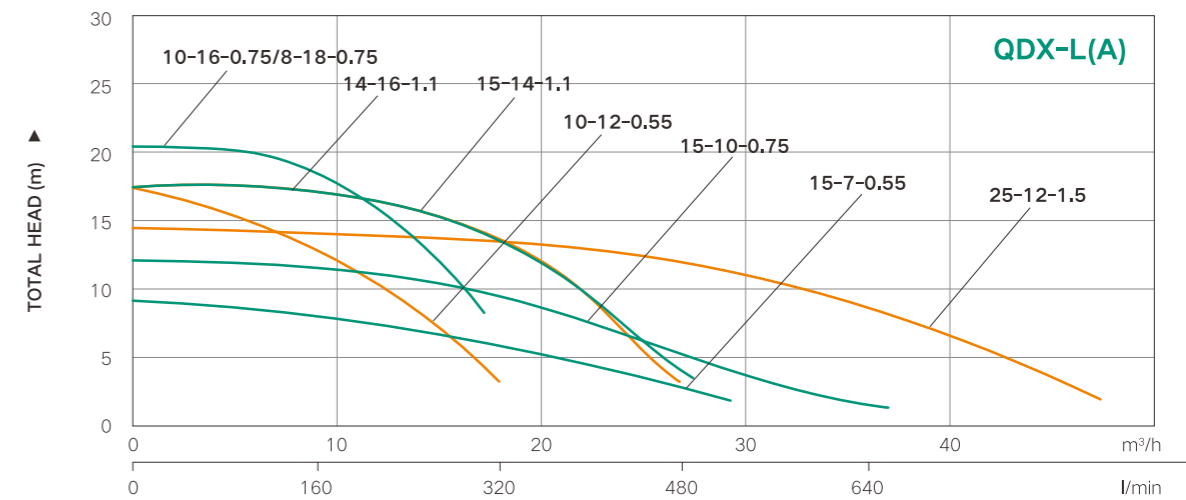
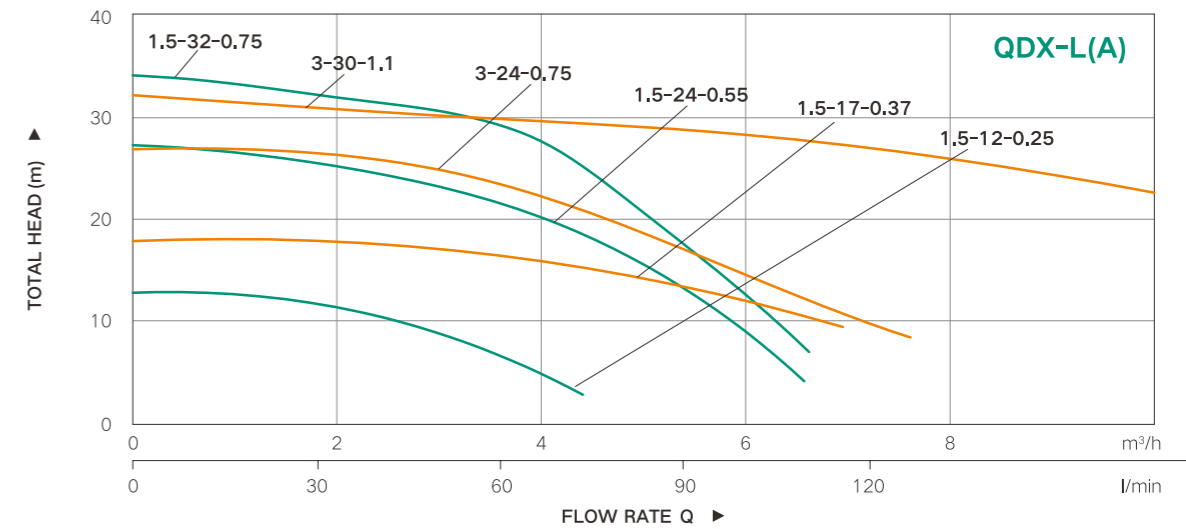
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: $1.2 \times 10^3 \text{ kg/m}^3$
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2mm

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Aluminum
- Motor housing: Aluminum
- Pump body: Cast Iron
- Handle: Plastic
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve



Domestic Application



Patent Design Appearance



Limited Warranty



Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)	Q(l/min)			
	kW	HP						0	3	6	9
QDX1.5-12-0.25L(A)	0.25	0.3	1"	5.5	13	PPO	H(m)	0	50	100	150
QDX1.5-17-0.37L(A)	0.37	0.5	1"	6.5	18	PPO		13	10		
QDX1.5-24-0.55L(A)	0.55	0.75	1"	7.2	25	PPO		18	15	11	
QDX1.5-32-0.75L(A)	0.75	1	1"	7.2	33	PPO		25	20		
QDX3-24-0.75L(A)	0.75	1	1.25"	7.5	25	PPO		33	30	11	
QDX3-30-1.1L(A)	1.1	1.5	1"	9.4	31	PPO		25	24	12	

The above models with (A) means with float switch (The float switch can be chosen by customer)

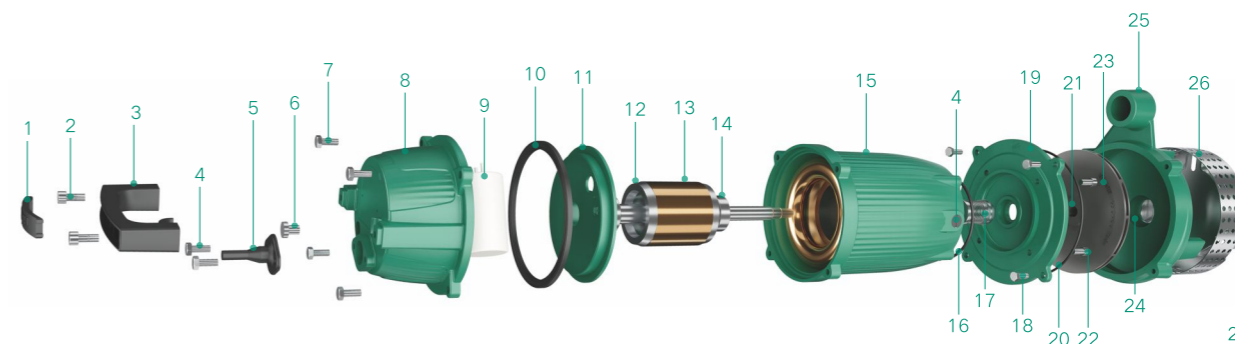
Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)	Q(l/min)																			
	kW	HP						0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48			
QDX15-7-0.55L(A)	0.55	0.75	2"	25	8.5	PPO	H(m)	8.5	8	8	7.5	7.5	7	7	5	5											
QDX10-12-0.55L(A)	0.55	0.75	2"	18	16	PPO		16	15	14	12	11	7	3													
QDX10-16-0.75L(A)	0.75	1	2"	21	19	PPO		19	18	17	17	14	12	8	3												
QDX8-18-0.75L(A)	0.75	1	1.5"	21	19	PPO		19	18	17	17	14	12	8	3												
QDX15-10-0.75L(A)	0.75	1	2.5"	35	11	AL		11	11	10.5	10.5	10	10	8	8	6	6	5	5								
QDX14-16-1.1L(A)	1.1	1.5	2"	30	18	PPO		18	17.5	17.5	17	17	15	14	12	11	8	6									
QDX15-14-1.1L(A)	1.1	1.5	2.5"	34	18	PPO		18	17.5	17.5	17	17	15	14	12	11	8	6	2								
QDX25-12-1.5L(A)	1.5	2	2.5"	48	15	AL		15	15	14.5	14.5	14	14	13	13	12	10	8	6	6	4	4	2	2			
QDX6-24-1.1L(A)	1.1	1.5	2"	19	26	PPO		26	25	24	23	20	16	9													
QDX6-33-1.5L(A)	1.5	2	2"	18	35	PPO		35	34	33	28	23	16	6													
QDX15-18-1.5L(A)	1.5	2	2"	33	21	Iron		21	20	19	19	18	18	16	15	12	9	8	5								
QDX16-17-1.5L(A)	1.5	2	2.5"	38	21	Iron		21	20	19	19	18	18	16	15	12	9	8	5	3							

The above models with (A) means with float switch (The float switch can be chosen by customer)

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)	Q(l/min)											
	kW	HP						0	10	20	30	40	50	60	70	80			
QDX25-6-0.75L(A)	0.75	1	3"	33	11.5	AL	H(m)	11.5	10.5	8	4								
QDX30-6-0.75L(A)	0.75	1	3"	38	9	AL		9	8.5	7	6								
QDX40-6-1.1L(A)	1.1	1.5	3"	52	12	PPO		12	11.5	10	9	6.5	5.5						
QDX40-9-1.5L(A)	1.5	2	3"	68	13	AL		13	12	11.5	10.5	9	7	5					
QDX50-7-1.5L(A)	1.5	2	4"	68	13	AL		13	12	11.5	10.5	9	7	5					
QDX65-7-2.2L(A)	2.2	3	4"	81	15	Iron		15	14	13	12	11	9	8	4	3			
QDX20-26-2.2L(A)	2.2	3	2"	37	27	Iron		27	26	23	16								
QDX40-15-2.2L(A)	2.2	3	3"	65	18	Iron		20	19	18	17	15	11	7					

The above models with (A) means with float switch (The float switch can be chosen by customer)

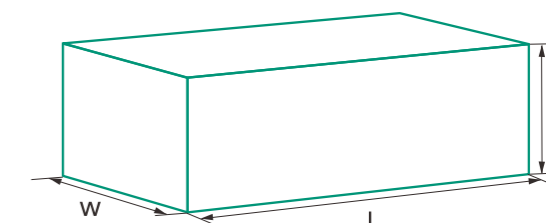
Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Handle Cover	10	Flat gasket	19	Oil chamber cover
2	Bolt	11	Upper bearing seat	20	O-ring
3	Handle	12	Bearing	21	Skeleton oil seal
4	Bolt	13	Rotor	22	Bolt
5	Cable	14	Bearing	23	Impeller
6	Air bolt/washer	15	Stator/Motor housing	24	Nut
7	Bolt	16	O-ring	25	Pump body
8	Cap	17	Mechanical seal	26	Bottom net
9	Capacitor	18	Bolt	27	Bolt

Package Dimensions

Model	L	W	H
	cm	cm	cm
QDX1.5-12-0.25L(A)	36.5	17.5	21
QDX1.5-17-0.37L(A)	41.5	19	23
QDX1.5-24-0.55L(A)	41.5	22	23.5
QDX10-12-0.55L(A)	41.5	21.5	26.5
QDX15-7-0.55L(A)	40.5	20	22.5
QDX1.5-32-0.75L(A)	41.5	24.5	23
QDX25-6-0.75L(A)	44	23.5	28.5
QDX30-6-0.75L(A)	45	24	29
QDX10-16-0.75L(A)	47	21.5	28
QDX3-24-0.75L(A)	41	21.5	24
QDX15-10-0.75L(A)	43	21.5	28.5
QDX14-16-1.1L(A)	43	22.5	28



Model	L	W	H
	cm	cm	cm
QDX15-14-1.1L(A)	42	21	27
QDX40-6-1.1L(A)	47	25.5	29
QDX3-30-1.1L(A)	44	22.5	26
QDX25-12-1.5L(A)	46	23	27.5
QDX40-9-1.5L(A)	52	23.5	31
QDX50-7-1.5L(A)	54	24.5	23.5
QDX65-7-2.2L(A)	51	27	39

QSD

Submersible Pump

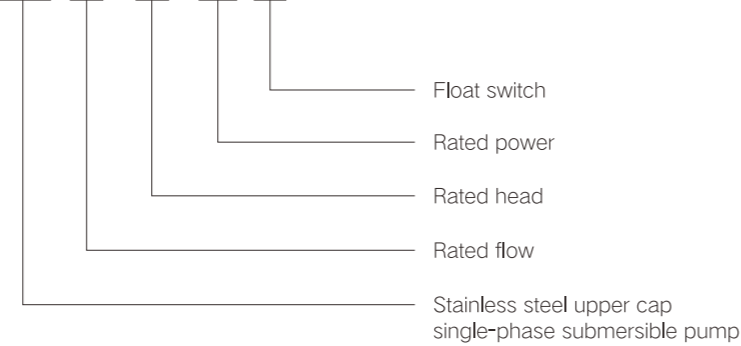


For Selection



Model Description

QSD 15 - 15 - 1.1 (A)



Application Range

- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, aquaculture and industrial water removing.

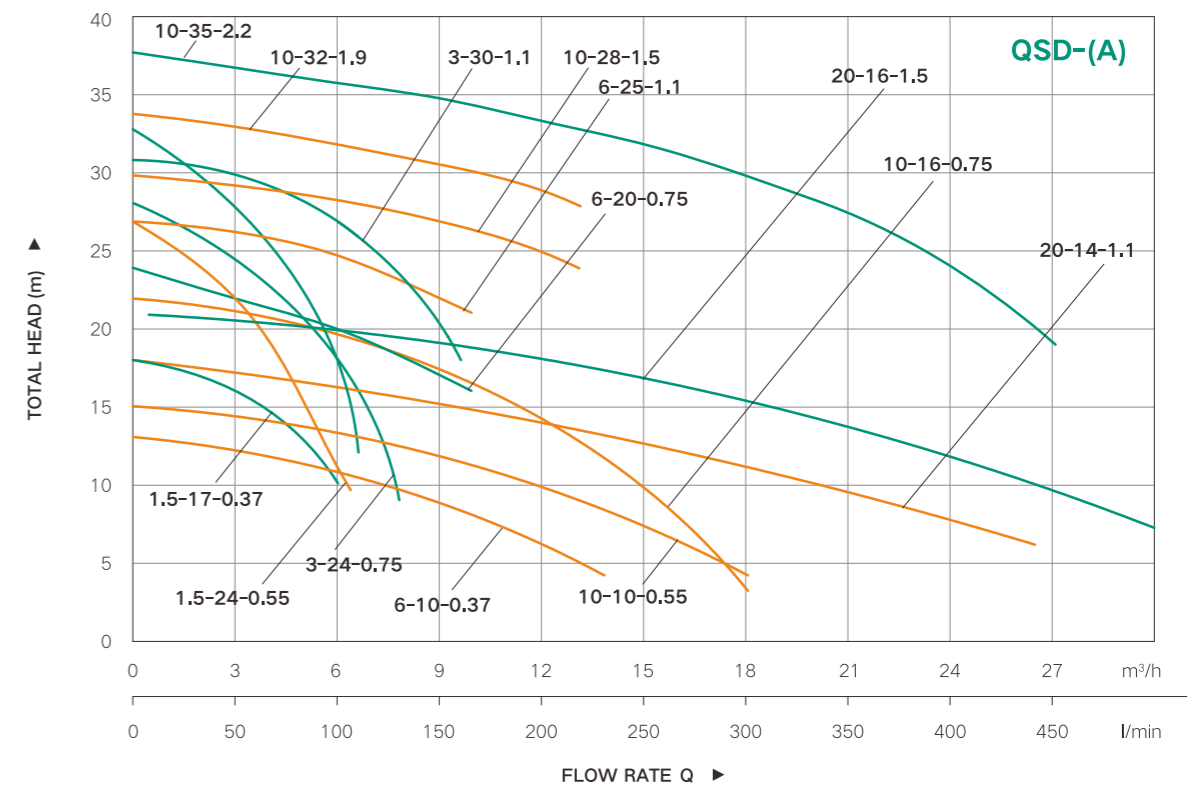
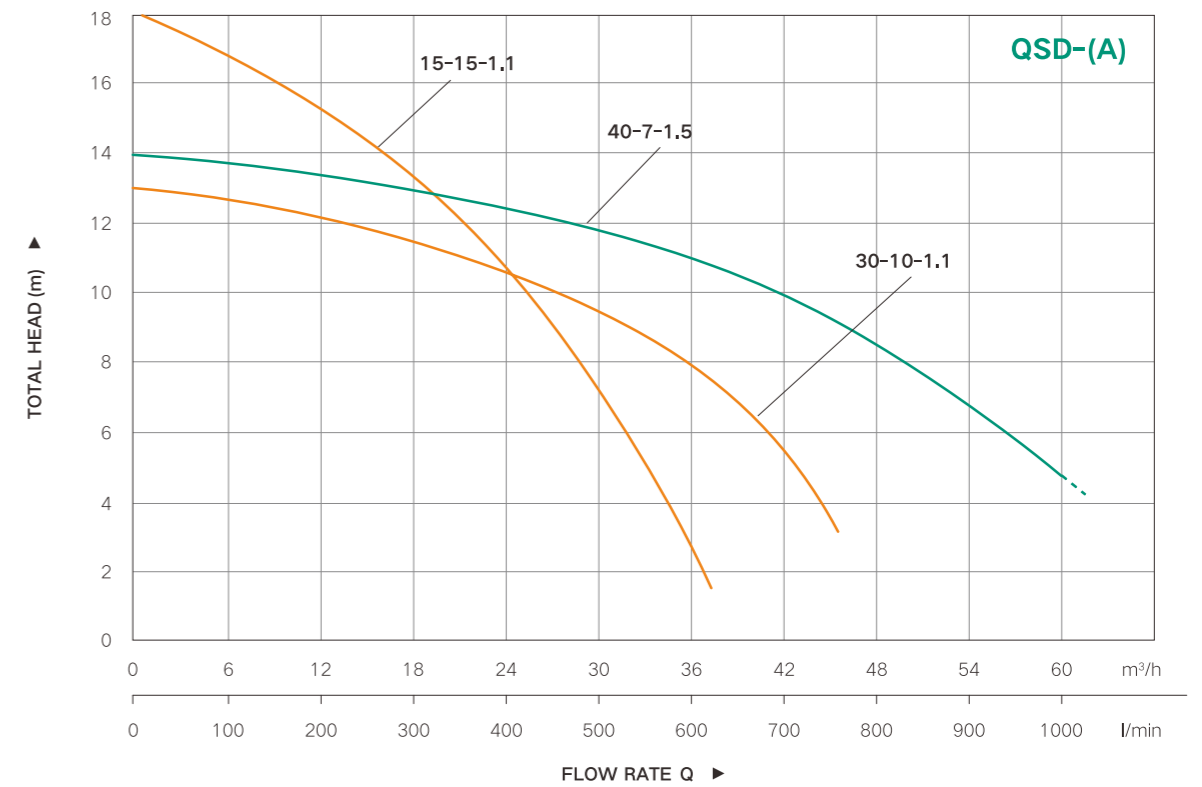
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: $1.2 \times 10^3 \text{ kg/m}^3$
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2mm

Motor and Pump Body

- Winding: 100% Copper Wire
- Pump Upper Cap: Stainless steel
- Pump Body : Cast iron
- Motor housing: Stainless steel
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve



Performance Parameters

Model	Power		Outlet	Qmax	Hmax	Impeller	Q(m³/h)	0	10	20	30	40	50	60
	kW	HP	In	m³/h	m		Q(l/min)	0	167	333	500	666	833	1000
QSD15-15-1.1(A)	1.1	1.5	2.5"	35	18	Iron	H(m)	18	16	13	7			
QSD30-10-1.1(A)	1.1	1.5	3"	46	13	Iron		13	12	11	10	7		
QSD40-7-1.5(A)	1.5	2	3"	63	14	Iron		14	13	12	11	10	7	5

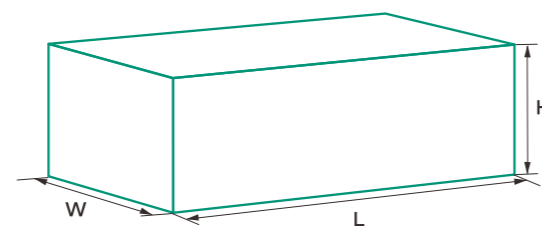
The above models with (A) means with float switch (The float switch can be chosen by customer)

Model	Power		Outlet	Qmax	Hmax	Impeller	Q(m³/h)	0	3	6	9	12	15	18	21	24	27	
	kW	HP	In	m³/h	m		Q(l/min)	0	50	100	150	200	250	300	350	400	450	
QSD1.5-17-0.37(A)	0.37	0.5	1"	6	18	AL	H(m)	18	16	10								
QSD6-10-0.37(A)	0.37	0.5	1.5"	13	13	AL		13	12	11	8	6						
QSD1.5-24-0.55(A)	0.55	0.75	1"	6.2	27	AL		27	22	11								
QSD10-10-0.55(A)	0.55	0.75	2"	18	15	AL		15	14	13	12	10	7	4				
QSD1.5-32-0.75(A)	0.75	1	1"	7.2	33	PPO		33	28	18								
QSD3-24-0.75(A)	0.75	1	1"	7.5	28	AL		28	24	18								
QSD6-20-0.75(A)	0.75	1	1.25"	10.5	24	AL		24	22	20	17							
QSD10-16-0.75(A)	0.75	1	2"	18	22	AL		22	21	20	17	14	9	3				
QSD6-25-1.1(A)	1.1	1.5	1.25"	11.5	27	AL		27	26	25	22							
QSD3-30-1.1(A)	1.1	1.5	1.25"	11	31	AL		31	30	27	20							
QSD20-14-1.1(A)	1.1	1.5	2"	26	18	Iron		18	16	16	15	15	14	13	12	7		
QSD10-28-1.5(A)	1.5	2	1.25"	13	30	AL		30	29	28	27	25						
QSD20-16-1.5(A)	1.5	2	2"	30	21	Iron		21	20	20	19	19	17	16	15	13	10	
QSD10-32-1.9	1.9	2.5	1.25"	14	34	AL		34	33	32	30	29						
QSD10-35-2.2	2.2	3	1.5"	27	38	AL		38	37	36	35	34	32	28	25	24	19	

The above models with (A) means with float switch (The float switch can be chosen by customer)

Package Dimensions

Model	L	W	H
	cm	cm	cm
QSD1.5-17-0.37(A)	42	22	23
QSD6-10-0.37(A)	42	23.5	29
QSD1.5-24-0.55(A)	43	22	24
QSD10-12-0.55(A)	44	25.5	28
QSD10-16-0.75(A)	44	23.5	28
QSD6-20-0.75(A)	46.5	26.5	20
QSD1.5-32-0.75(A)	47	25.5	26.5
QSD6-25-1.1(A)	46.5	25.5	22.5
QSD3-30-1.1(A)	44	25.5	28
QSD30-10-1.1(A)	50	29	28.5
QSD15-15-1.1(A)	49	28	28.5
QSD20-14-1.1(A)	46	25.5	29



Model	L	W	H
	cm	cm	cm
QSD10-28-1.5(A)	48.5	23.5	28
QSD20-16-1.5(A)	48	23.5	28
QSD40-7-1.5(A)	52	32	26
QSD10-32-1.9	52	29.5	25.5
QSD10-35-2.2	52	29	23.5
QSD65-7-2.2	57	2.75	40

QFD

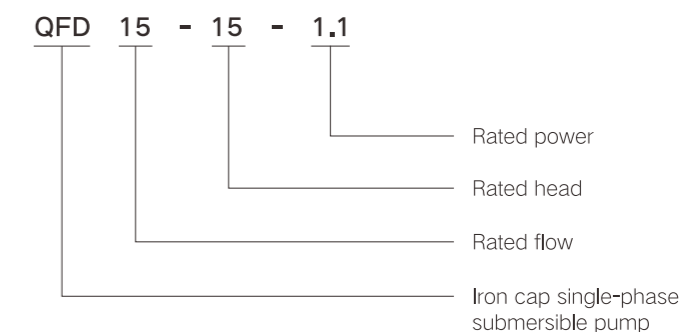
Submersible Pump



For Selection



Model Description



Application Range

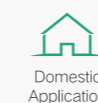
- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, agriculture and industrial water removing.

Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2mm

Motor and Pump Body

- Winding: 100% Copper Wire
- Pump Upper Cap: Cast Iron
- Pump Body : Cast iron
- Motor housing: Stainless steel
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic



Domestic Application

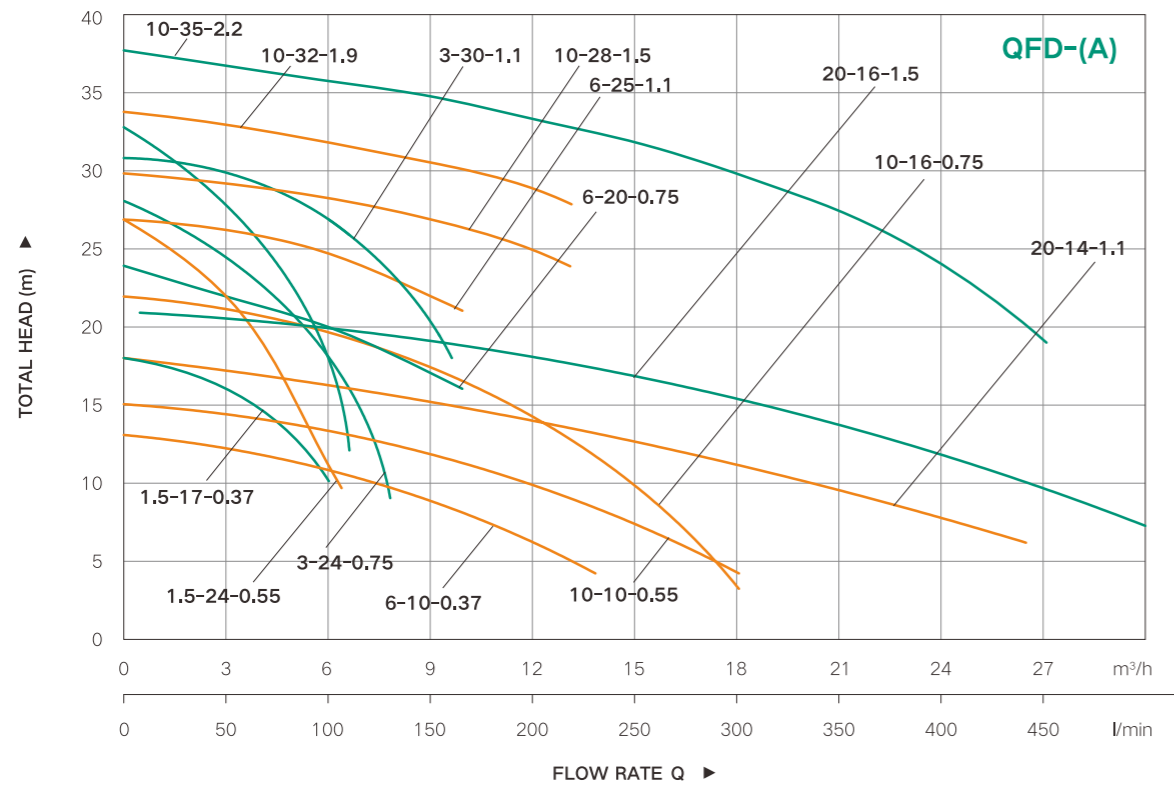
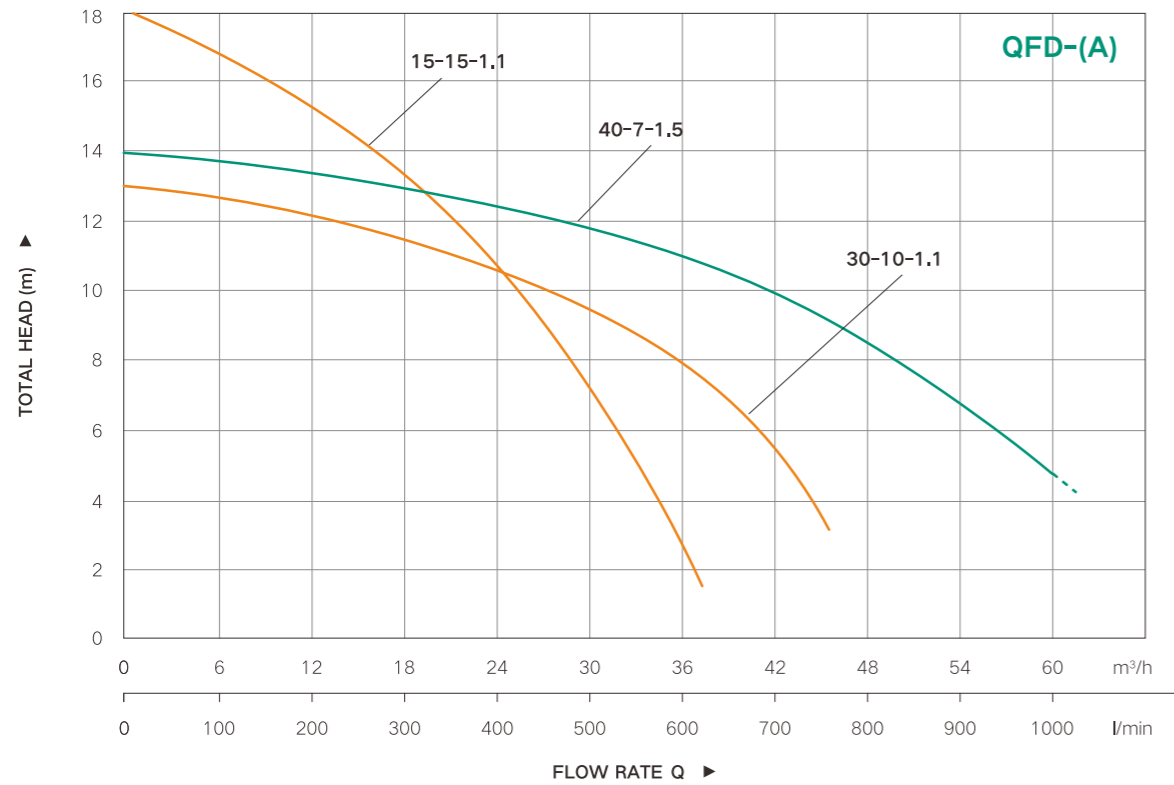


Patent Design Appearance



Limited Warranty

Performance Curve



Performance Parameters

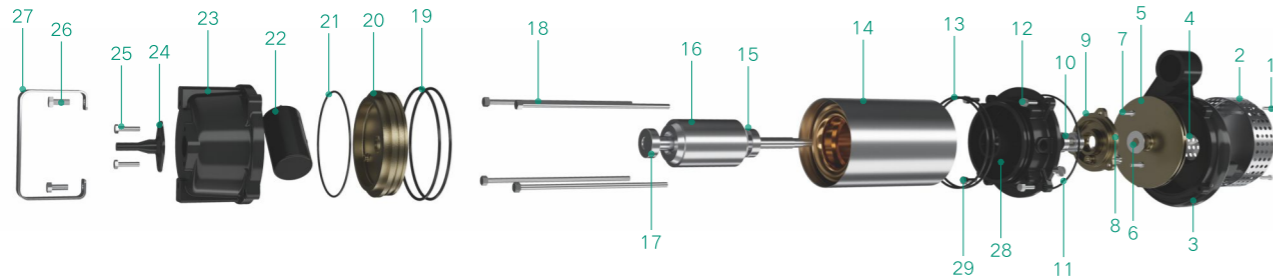
Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)							
	kW	HP					0	10	20	30	40	50	60	
QFD15-15-1.1(A)	1.1	1.5	2.5"	35	18	Iron	0	167	333	500	666	833	1000	
QFD30-10-1.1(A)	1.1	1.5	3"	46	13	Iron	H(m)	0	167	333	500	666	833	1000
QFD40-7-1.5(A)	1.5	2	3"	63	14	Iron	H(m)	0	167	333	500	666	833	1000

The above models with (A) means with float switch (The float switch can be chosen by customer)

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)										
	kW	HP					0	3	6	9	12	15	18	21	24	27	
QFD1.5-17-0.37(A)	0.37	0.5	1"	6	18	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD6-10-0.37(A)	0.37	0.5	1.5"	13	13	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD1.5-24-0.55(A)	0.55	0.75	1"	6.2	27	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD10-10-0.55(A)	0.55	0.75	2"	18	15	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD1.5-32-0.75(A)	0.75	1	1"	7.2	33	PPO	H(m)	0	50	100	150	200	250	300	350	400	450
QFD6-20-0.75(A)	0.75	1	1.25"	10.5	24	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD10-16-0.75(A)	0.75	1	2"	18	22	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD6-25-1.1(A)	1.1	1.5	1.25"	11.5	27	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD3-30-1.1(A)	1.1	1.5	1.25"	11	31	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD20-14-1.1(A)	1.1	1.5	2"	26	18	Iron	H(m)	0	50	100	150	200	250	300	350	400	450
QFD10-28-1.5(A)	1.5	2	1.25"	13	30	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD20-16-1.5(A)	1.5	2	2"	30	21	Iron	H(m)	0	50	100	150	200	250	300	350	400	450
QFD10-32-1.9(A)	1.9	2.5	1.25"	14	34	AL	H(m)	0	50	100	150	200	250	300	350	400	450
QFD10-35-2.2(A)	2.2	3	1.5"	27	38	AL	H(m)	0	50	100	150	200	250	300	350	400	450

The above models with (A) means with float switch (The float switch can be chosen by customer)

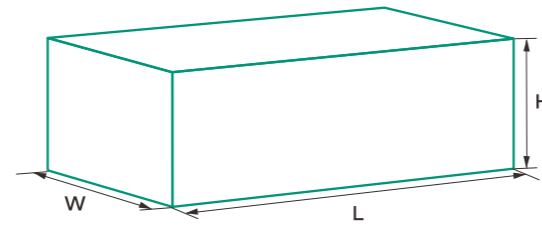
Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Bolt	11	O-ring	21	O-ring
2	Bottom net	12	Air bolt/washer	22	Capacitor
3	Pump body	13	O-ring	23	Cap
4	Nut	14	Stator/Motor housing	24	Cable
5	Impeller	15	Bearing	25	Bolt
6	Gasket	16	Rotor	26	Bolt
7	Bolt	17	Bearing	27	Handle
8	Skeleton oil seal	18	Bolt	28	Lower bearing seat
9	Oil chamber cover	19	O-ring	29	Bolt
10	Mechanical seal	20	Upper bearing seat		

Package Dimensions

Model	L	W	H
	cm	cm	cm
QFD1.5-17-0.37(A)	42	22	23
QFD16-6-0.37(A)	42	23.5	29
QFD1.5-24-0.55(A)	43	22	24
QFD10-12-0.55(A)	44	25.5	28
QFD10-16-0.75(A)	44	23.5	28
QFD6-20-0.75(A)	46.5	26.5	20
QFD1.5-32-0.75(A)	47	25.5	26.5
QFD6-25-1.1(A)	46.5	25.5	22.5
QFD3-30-1.1(A)	44	25.5	28
QFD30-10-1.1(A)	50	29	28.5
QFD15-15-1.1(A)	49	28	28.5
QFD20-14-1.1(A)	46	25.5	29



Model	L	W	H
	cm	cm	cm
QFD10-28-1.5(A)	48.5	23.5	28
QFD20-16-1.5(A)	48	23.5	28
QFD40-7-1.5(A)	52	32	26
QFD10-32-1.9	52	29.5	25.5
QFD10-35-2.2	52	29	23.5
QFD65-7-2.2	57	2.75	40

QS

Submersible Pump

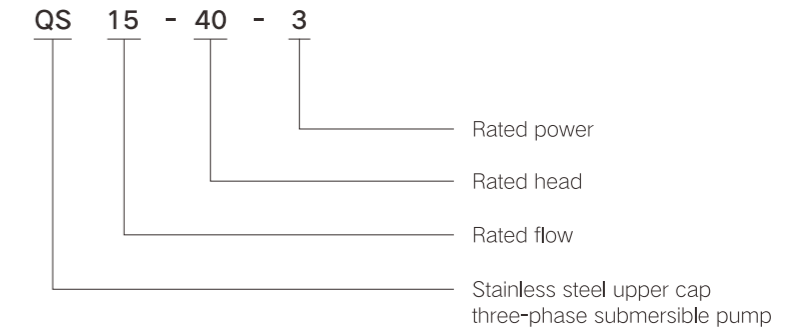


QS15-40-3/
QS20-40-4/ QS25-50-5.5



QS65-7-2.2

Model Description



Application Range

- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, agriculture and industrial water removing.

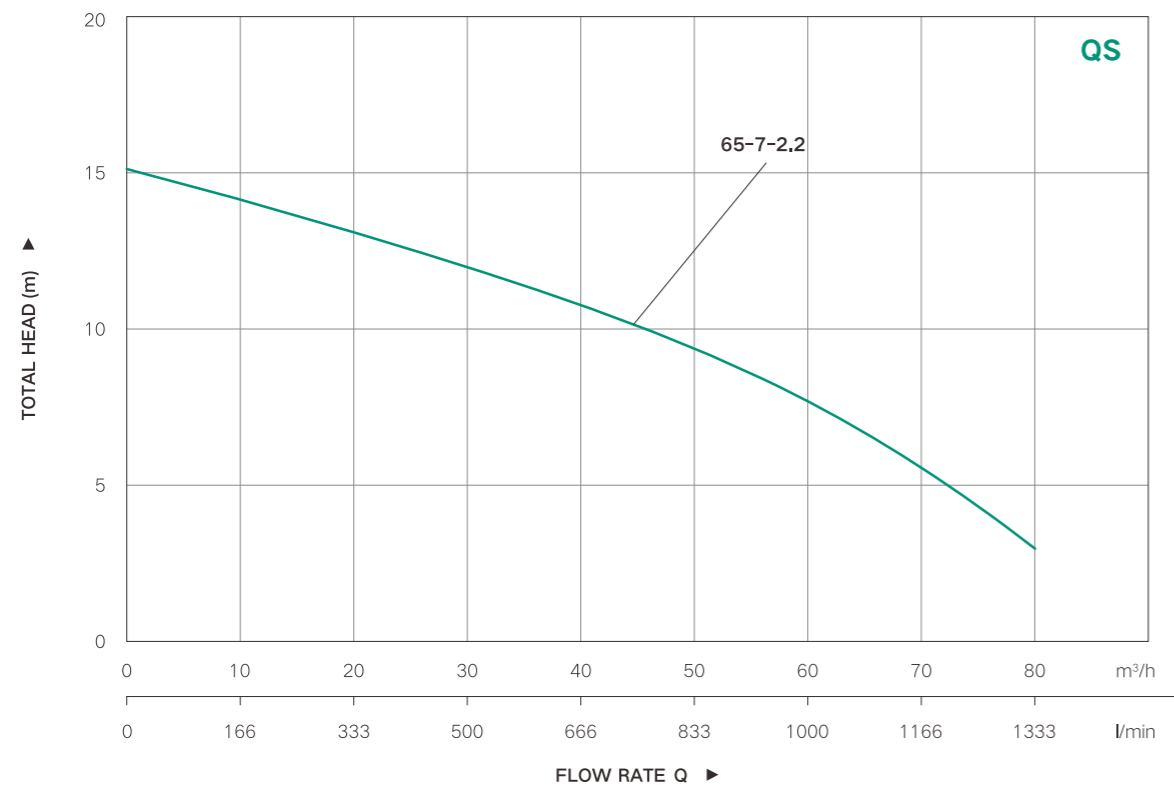
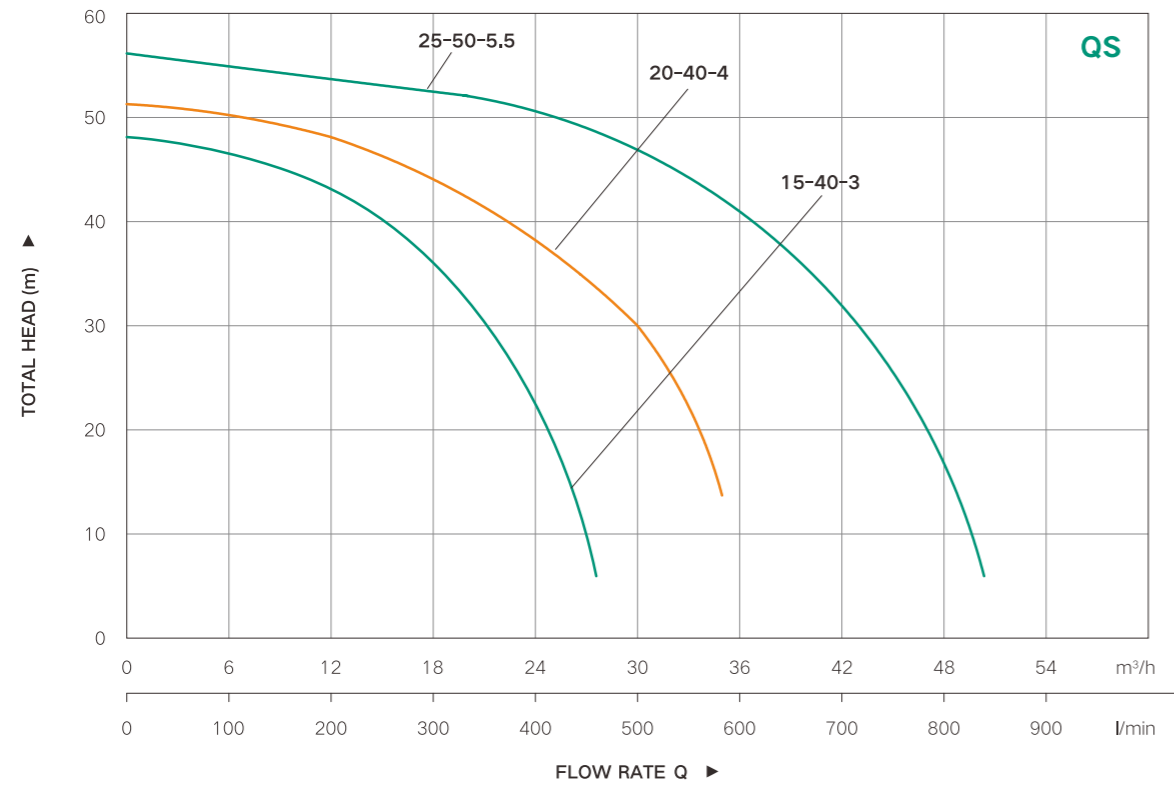
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2mm

Motor and Pump Body

- Winding: 100% Copper Wire
- Pump Upper Cap: stainless steel
- Pump Body: Cast iron
- Motor housing: Stainless steel
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve



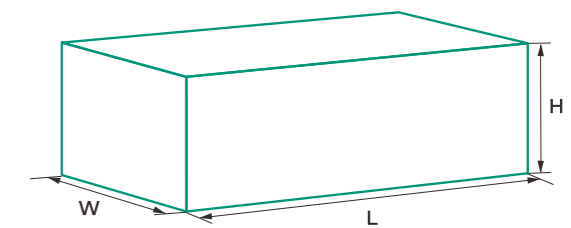
Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)							
	kW	HP					0	10	20	30	40	50		
QS15-40-3	3	4	2"	27	48	Iron	0	167	333	500	666	833		
QS20-40-4	4	5.5	2"	34.5	51	Iron	H(m)	48	45	33				
QS25-50-5.5	5.5	7.5	3"	50	56	Iron	H(m)	51	49	43	30			

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	Q(m³/h)									
	kW	HP					0	10	20	30	40	50	60	70	80	
QS65-7-2.2	2.2	3	4"	81	15	Iron	H(m)	0	167	333	500	666	833	1000	1166	1333

Package Dimensions

Model	L	W	H
	cm	cm	cm
QS15-40-3	64	32	37
QS20-40-4	66	32	37
QS25-50-5.5	75	44	33
QS65-7-2.2	57	27.5	40



TPS

Submersible Pump



For Selection

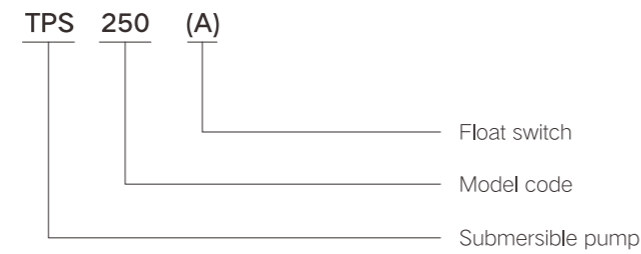


TPS250



TPS251

Model Description



Application Range

- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, agriculture and industrial water removing.

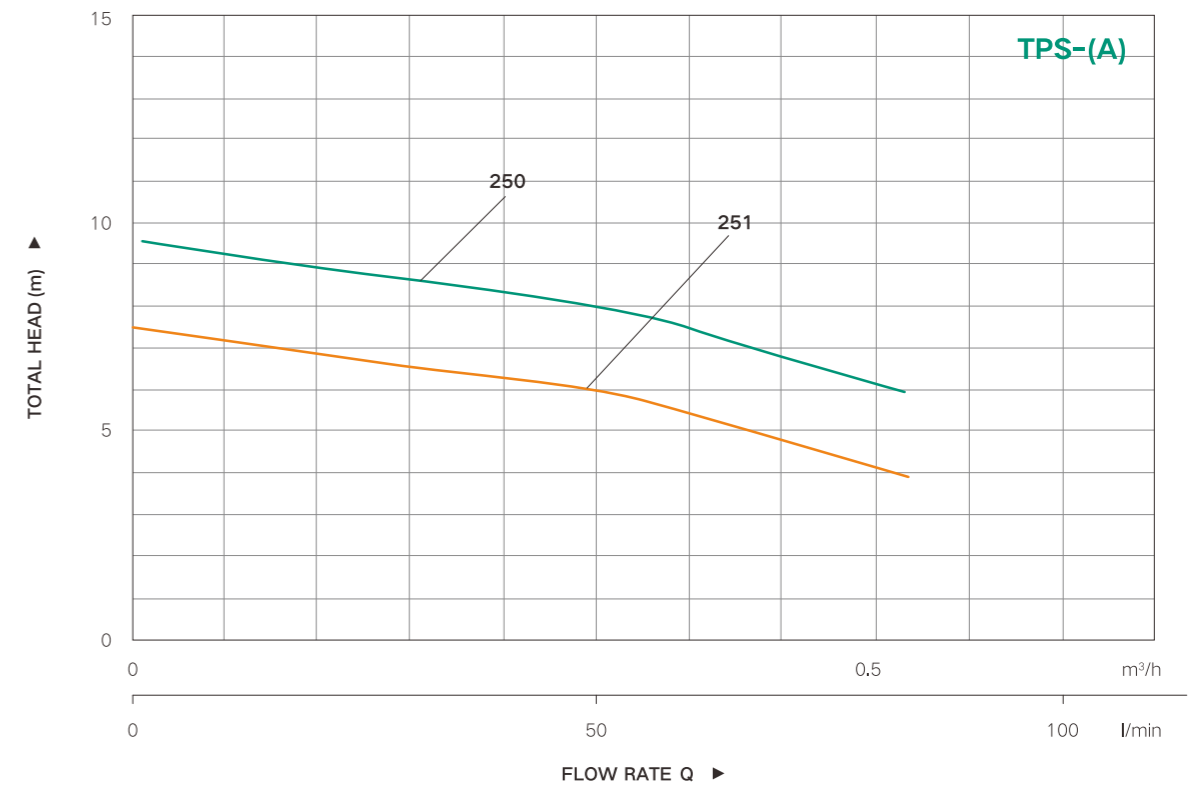
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6,5-8,5
- The maximum concentration of medium: 1,2x10³ kg/m³
- Immersion depth: 0,5m- 5m
- Maximum sand content is 0,1%, Passage of suspended solids up to 0,2mm

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast Iron/Aluminum
- Motor housing: Cast Iron/Aluminum
- Pump body: Cast iron
- Handle: Cast iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve



Performance Parameters

Model	Power		Outlet	Max.Flow	Impeller	Q(m³/h)					
	kW	HP	In	m³/h		0	1	2	3	4	5
TPS250(A)	0,25	0,33	1,25"	5	PPO	9,5	9	8,5	8	7	6
TPS251(A)	0,25	0,33	1,25"	5	Iron	7,5	7	6,5	6	5	

The above models with (A) means with float switch (The float switch can be chosen by customer)

TPS

Submersible Pump



For Selection



TPS400/TPS750



TPS401



TPS1900/TPS1900S

Model Description



Application Range

- This product is suitable for underground water pumping, farmland irrigation, garden watering, domestic water supply, agriculture and industrial water removing.

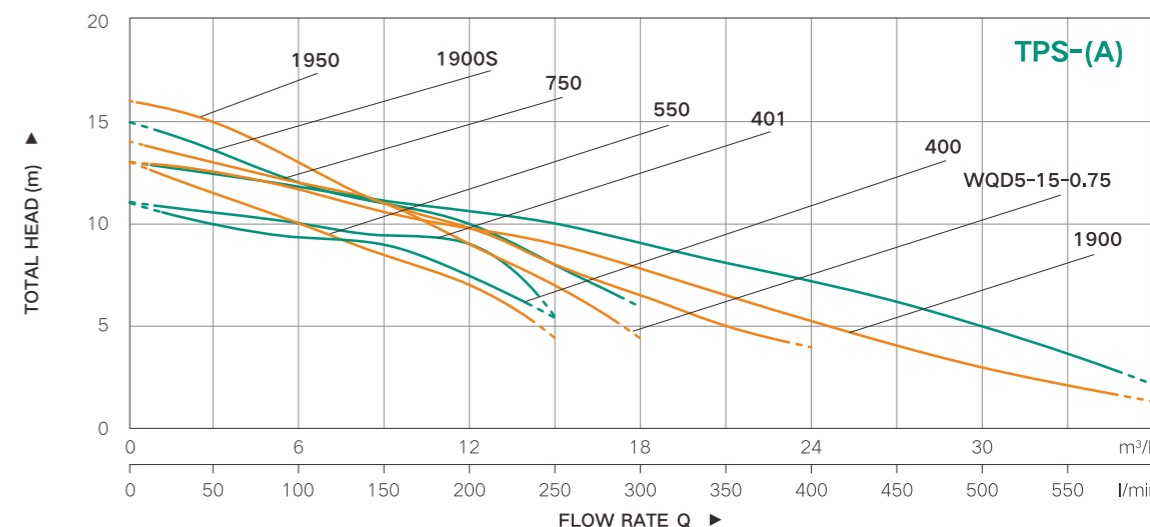
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6,5-8,5
- The maximum concentration of medium: 1,2x10³ kg/m³
- Immersion depth: 0,5m- 5m
- Maximum sand content is 0,1%, Passage of suspended solids up to 0,2mm

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Aluminum
- Motor housing: Aluminum
- Pump body: Cast iron
- Handle: Cast iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve



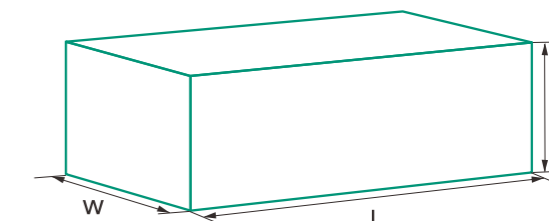
Performance Parameters

Model	Power		Outlet	Max.Flow	Impeller	Q(m³/h)																				
	kW	HP	In	m³/h		0	3	6	9	12	15	18	21	24	27	30	33	36								
TPS400(A)	0.4	0.55	2"	17	Iron	11	10	9	8	7	5															
TPS550(A)	0.55	0.75	2"	17	Iron	13	11	10	8	7	4															
TPS750(A)	0.75	1.0	2"	20	Iron	15	13	12	11	10	8	6														
TPS401(A)	0.40	0.55	2"	17	Iron	11	10.5	10	9	8	5															
WQD5-15-0.75(A)	0.75	1.0	2"	18.5	Iron	14	13	12	11	9	7	4														
TPS1950(A)	1.5	2.0	2"	29	Iron	16	15	13	11	9	8	6	5	4												
TPS1900S(A)	1.5	2.0	3"	37	Iron	13	12.5	11.5	11	10.5	10	9.5	8.5	7.5	6.5	5	4	2.5								
TPS1900(A)	1.5	2.0	3"	37	Iron	13	12.5	11	10	9.5	9	8	6.5	5.5	4.5	3	2	1.5								

The above models with (A) means with float switch (The float switch can be chosen by customer)

Package Dimensions

Model	L	W	H
	cm	cm	cm
TPS250(A)	45	19	15.5
TPS251(A)	45.5	19	15.5
TPS400(A)	39	27	21
TPS401(A)	42	27	24
TPS550(A)	44	27.5	21
TPS750(A)	42.5	27	21



Model	L	W	H
	cm	cm	cm
WQD5-15-0.75(A)	44	23.5	21.5
TPS1950(A)	54	27.5	19.5
TPS1900(A)	53	31	23
TPS1900S(A)	51	31	23



GP/GS

Submersible Pump

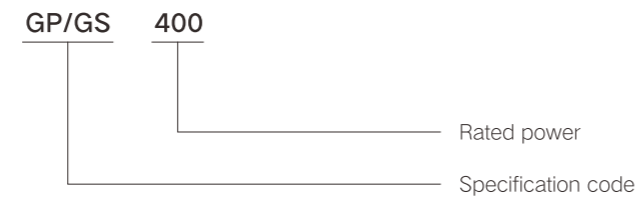


GP



GS

Model Description



Application Range

- This product is suitable for farmland irrigation, garden watering and other occasions.

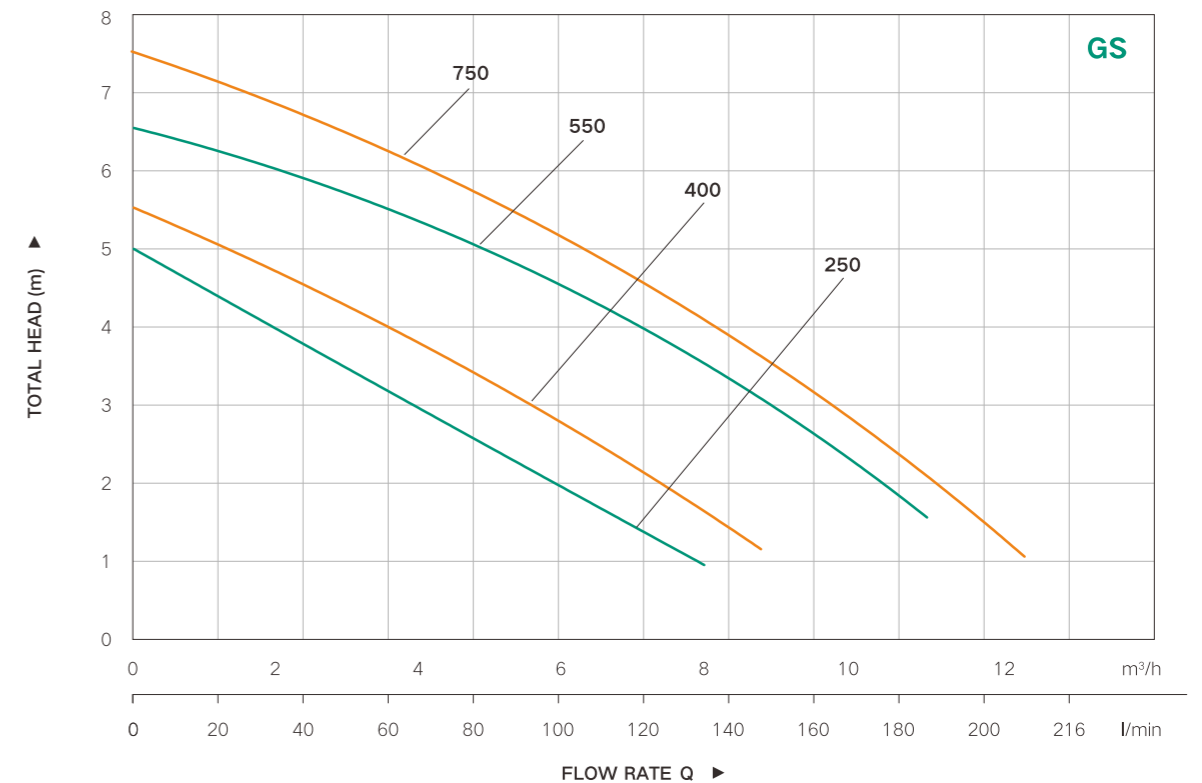
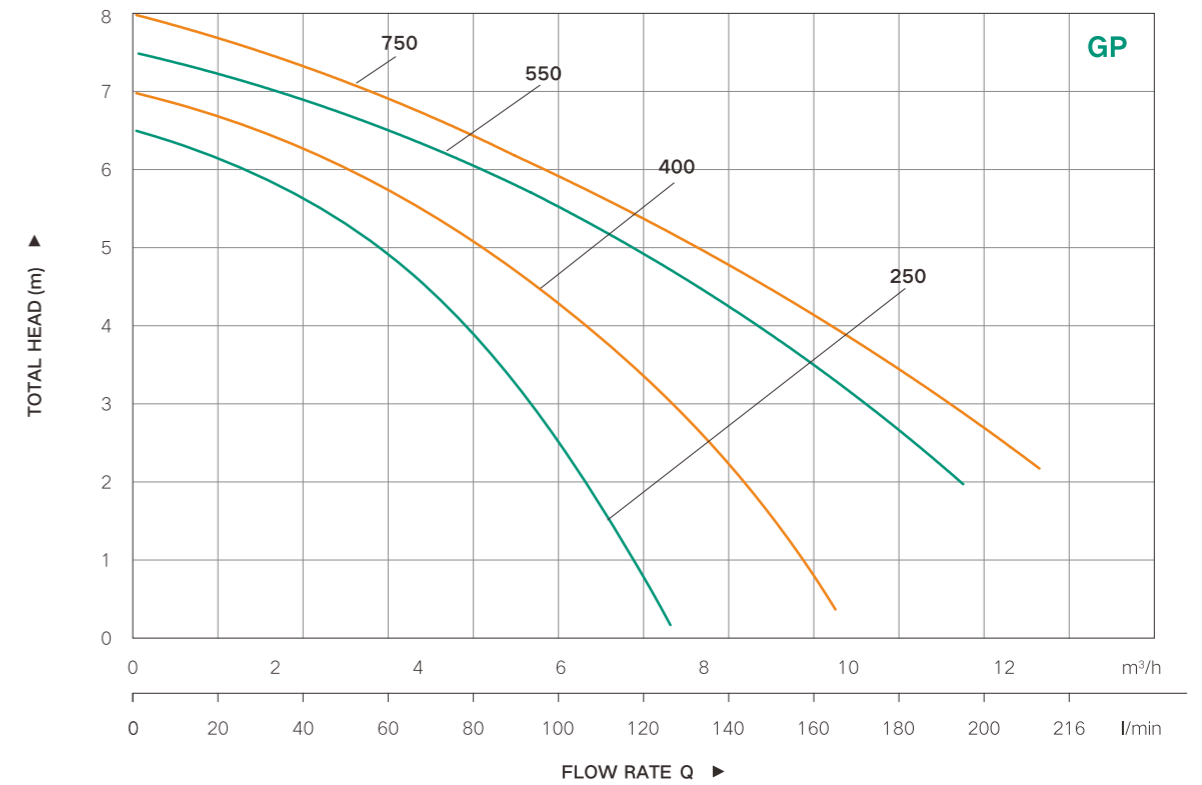
Working Conditions

- The temperature of liquid: $< +40^{\circ}\text{C}$
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: $1.2 \times 10^3 \text{ kg/m}^3$
- Immersion depth: 0.5m- 5m

Motor and Pump Body

- The motor is a single-phase or three-phase asynchronous motor with built-in protection device
- Mechanical seal: Carbon/Ceramic

Performance Curve



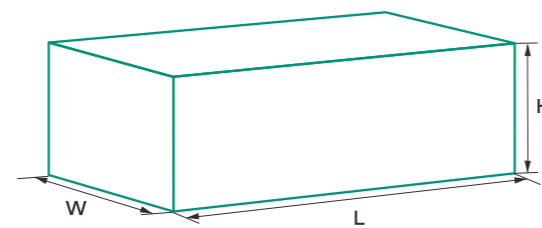
Performance Parameters

Model	Power		Outlet In	Max.Flow I/min	Impeller	Q(m³/h) Q(l/min)	0	2	4	6	8	10	12
	kW	HP					0	33	66	100	133	166	200
GP250	0.25	0.3	1.5"	125	PP	H(m)	6.5	5.8	5	3			
GP400	0.4	0.55	1.5"	166	PP		7	6.3	5.2	4	3	1	
GP550	0.55	0.75	1.5"	183	PP		7.5	7	6.4	5.4	4.5	3.5	
GP750	0.75	1	1.5"	208	PP		8	7.5	6.8	6	5	4	2.5

Model	Power		Outlet In	Max.Flow I/min	Impeller	Q(m³/h) Q(l/min)	0	2	4	6	8	10	12
	kW	HP					0	33	66	100	133	166	200
GS250	0.25	0.3	1.5"	133	PP	H(m)	5	4	3	2	1		
GS400	0.4	0.55	1.5"	146	PP		5.5	4.8	3.8	3	1.5		
GS550	0.55	0.75	1.5"	191	PP		6.5	6	5.5	4.5	3.5	2.5	
GS750	0.75	1	1.5"	205	PP		7.5	6.5	6	5.2	4.3	3	1.5

Package Dimensions

Model	L	W	H
	cm	cm	cm
GP250	34.6	21.2	19
GP400	34.6	21.2	19
GP550	34.6	21.2	19
GP750	34.6	21.2	19
GS250	34.6	21.2	19
GS400	34.6	21.2	19
GS550	34.6	21.2	19
GS750	34.6	21.2	19



WFD

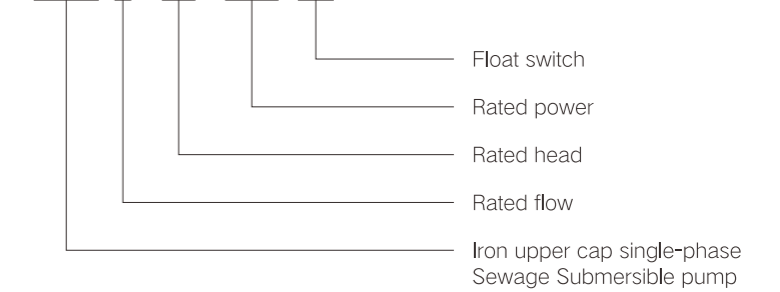
Sewage Pump



For Selection

Model Description

WFD 6 - 12 - 0.55 (A)



Application Range

- This series of products are used in industrial, agricultural, mining, construction sites, municipal environmental protection, and other scenarios. It can pump objects containing short fibers, sediment, paper scraps, and other solid particles or soft solids. It is used for agricultural irrigation and construction. Ideal water conservancy equipment.

Working Conditions

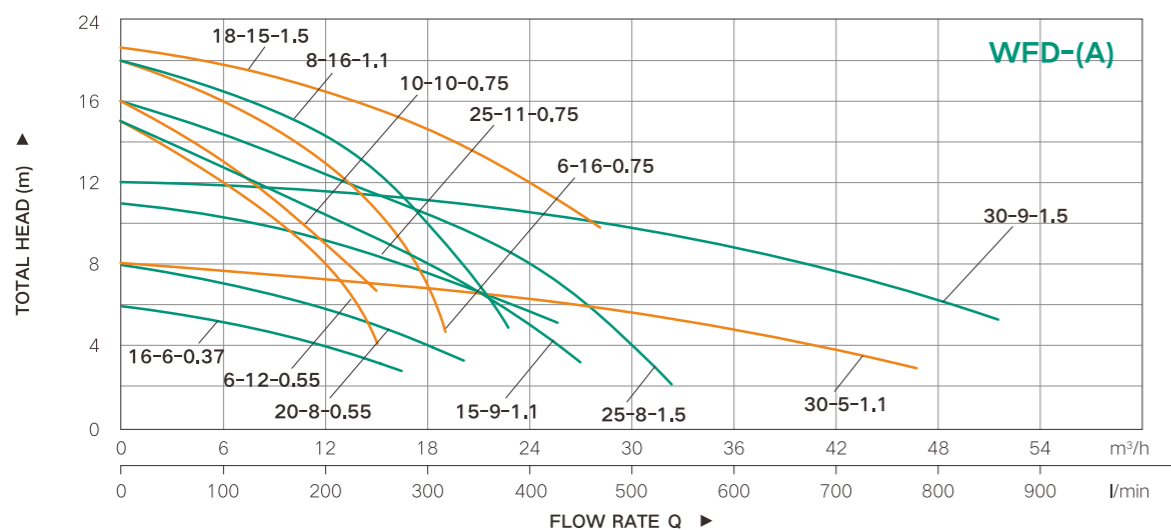
- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2m

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast iron
- Motor housing: Stainless steel
- Pump body: Cast iron
- Handle: Stainless steel
- Impeller: Cast iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic



Performance Curve



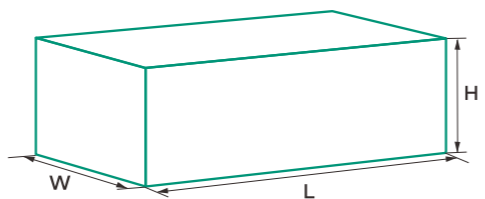
Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Q (m³/h)															
	kW	HP				0	6	12	18	24	30	36	42	48	54	60	66	72			
WFD6-12-0.55(A)	0.55	0.75	1.5"	16	15	15	12	8													
WFD6-16-0.75(A)	0.75	1	1.5"	19	20	20	16	13	7												
WFD10-10-0.75(A)	0.75	1	1.5"	15	16	16	13	9													
WFD15-9-1.1(A)	1.1	1.5	2"	27	13	13	12	10	8	5											
WFD8-16-1.1(A)	1.1	1.5	2"	23	20	20	17	15	10												
WFD30-5-1.1(A)	1.1	1.5	3"	45	8	8	7.5	7	6.5	6	5	4	3								
WFD18-15-1.5(A)	1.5	2	2"	28	21	21	19	17	15	12											
WFD25-8-1.5(A)	1.5	2	2"	32	16	16	14	12	10	8	4										
WFD30-9-1.5(A)	1.5	2	3"	56	12	12	11	10.5	10	9.5	9	8.5	7.5	6	4						
WFD16-6-0.37(A)	0.37	0.5	2"	16	6	6	5	4													
WFD20-8-0.55(A)	0.55	0.75	2"	20	8	8	7	6	4												
WFD25-11-0.75(A)	0.75	1	2"	25	11	11	10	9	7.5	5											
WF9-22-2.2	2.2	3	2"	28	26	26	23	21	19	16											
WF25-15-2.2	2.2	3	2.5"	55	20	20	19	18	17	15	14	11	8	7	3						
WF45-9-2.2	2.2	3	3"	74	15	15	14	13	12	11	10		9	8		7	4	3			

The above models with (A) means with float switch (The float switch can be chosen by customer)

Package Dimensions

Model	L	W	H
	cm	cm	cm
WFD6-12-0.55(A)	47	23	28
WFD6-16-0.75(A)	49	22.5	28
WFD10-10-0.75(A)	49	22.5	28
WFD15-9-1.1(A)	53	29	26
WFD8-16-1.1(A)	53	29	26
WFD18-15-1.5(A)	53	29	26
WFD25-8-1.5(A)	53	29	26
WFD16-6-0.37(A)	46.5	26	17



Model	L	W	H
	cm	cm	cm
WFD20-8-0.55(A)	47.5	26	18
WFD25-11-0.75(A)	49	26.5	20
WFD30-5-1.1(A)	50.5	31.5	24
WFD30-9-1.5(A)	54	31.5	24

WQ

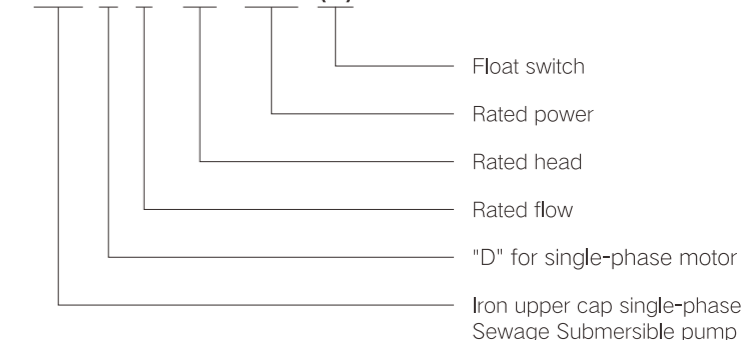
Sewage Pump



For Selection

Model Description

WQ D 6 - 12 - 0.55 (A)



Application Range

- This series of products are used in industrial, agricultural, mining, construction sites, municipal environmental protection, and other scenarios.
- It can pump objects containing short fibers, sediment, paper scraps, and other solid particles or soft solids. It is used for agricultural irrigation and construction. Ideal water conservancy equipment.

Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2m

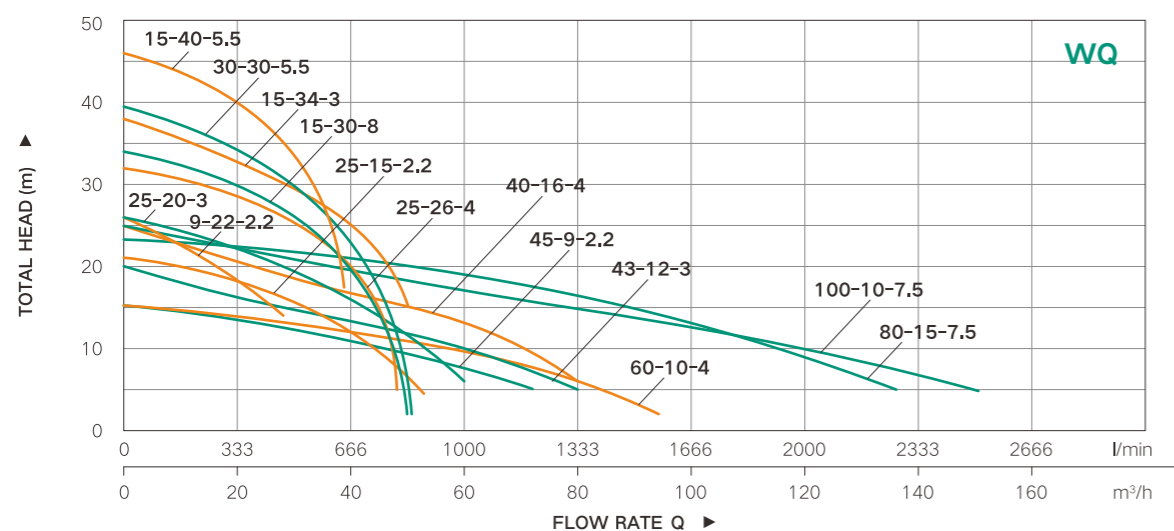
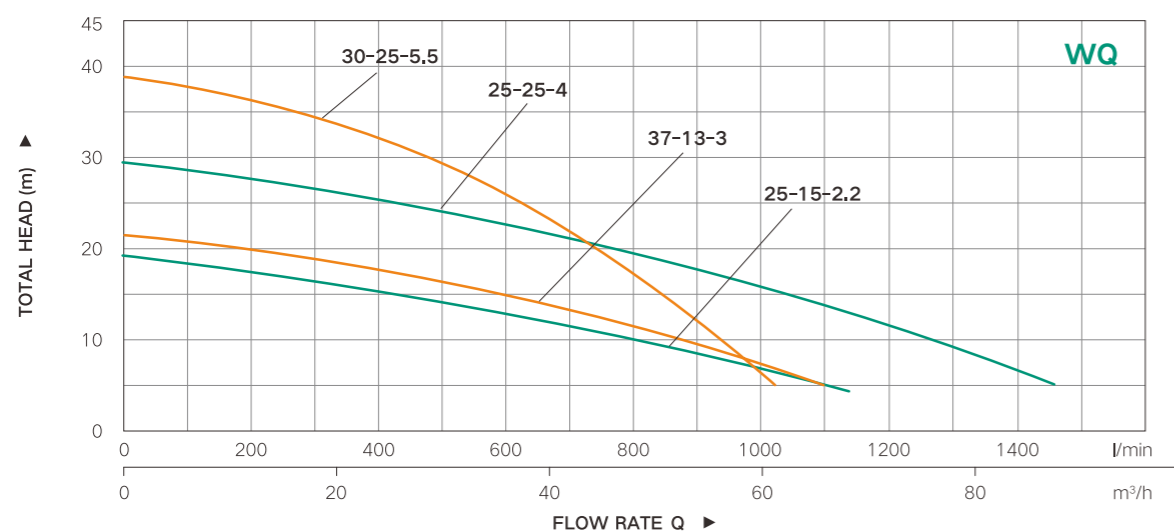
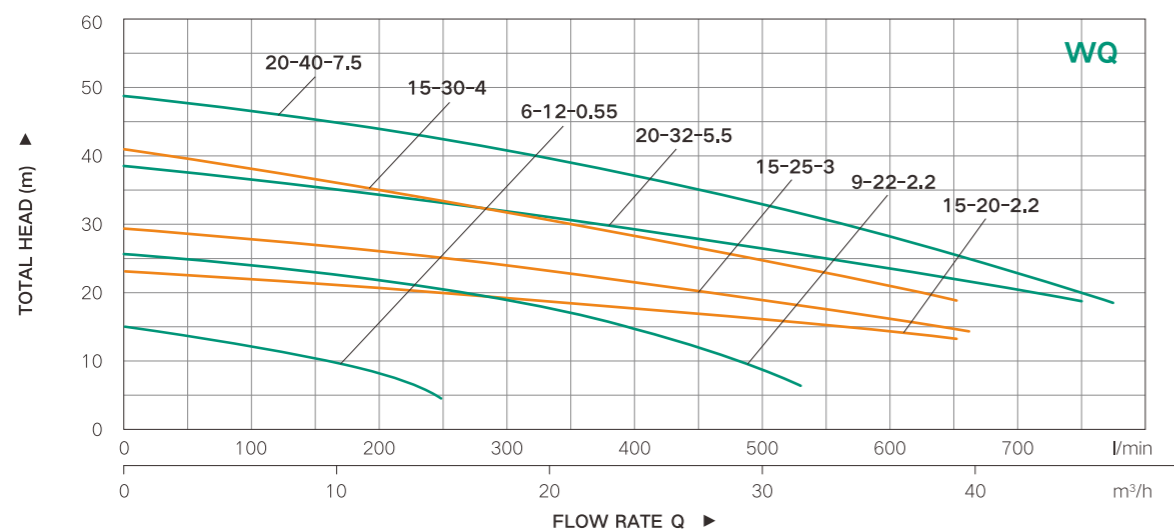


Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast iron
- Motor housing: Cast Iron
- Pump body: Cast iron
- Impeller: Cast iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic



Performance Curve



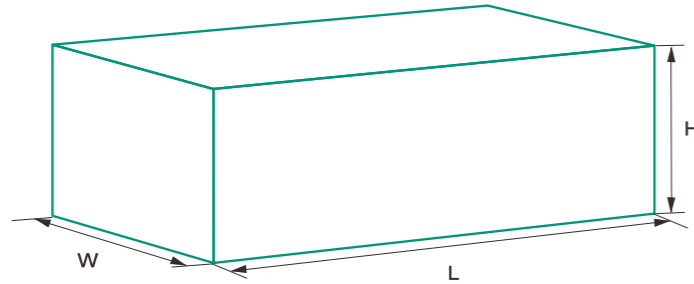
Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Q(m³/h)														
	kW	HP				0	6	12	18	24	30	36	42	48	54					
WQD6-16-0.75-TT	0.75	1	1.5"	19	20	20	16	13	7											
WQ6-16-0.75-TT	0.75	1	1.5"	19	20	20	16	13	7											
WQD10-10-0.75-TT	0.75	1	1.5"	15	16	16	13	9												
WQ10-10-0.75-TT	0.75	1	1.5"	15	16	16	13	9												
WQD15-9-1.1-TT	1.1	1.5	2"	27	13	13	12	10	8	5										
WQ15-9-1.1-TT	1.1	1.5	2"	27	13	13	12	10	8	5										
WQD18-15-1.5-TT	1.5	2	2"	28	21	21	19	17	15	12										
WQ18-15-1.5-TT	1.5	2	2"	28	21	21	19	17	15	12										
WQD25-8-1.5-TT	1.5	2	2"	32	16	16	14	12	10	8	4									
WQ25-8-1.5-TT	1.5	2	2"	25	16	16	14	12	10	8	4									
WQD8-16-1.1-TT	1.1	1.5	2"	23	20	20	17	15	10											
WQ8-16-1.1-TT	1.1	1.5	2"	23	20	20	17	15	10											

Model	Power		Outlet In	Qmax m³/h	Hmax m	Q(m³/h)														
	kW	HP				0	20	40	60	80	100	120	140							
WQ25-15-2.2TT	2.2	3	2.5"	55	21	21	17	12												
WQ45-9-2.2TT	2.2	3	3"	74	15	15	11	10	8											
WQ9-22-2.2TT	2.2	3	2"	28	26	26	19													
WQ15-30-3TT	3	4	2"	50	34	34	29	20												
WQ25-20-3TT	3	4	2.5"	60	26	26	21	15	6											
WQ37-13-3TT	3	4	2.5"	65	21	26	21	15	6											
WQ43-12-3TT	3	4	3"	80	19	19	15	12	9	5										
WQ15-34-4TT	4	5.5	2"	50	38	38	27	20												
WQ25-26-4TT	4	5.5	2.5"	57	32	32	31	23												
WQ40-16-4TT	4	5.5	3"	85	25	25	20	16	13	6										
WQ60-10-4TT	4	5.5	4"	96	15	15	13	12	10	6										
WQ15-40-5.5TT	5.5	7.5	2"	39	46	46	40													
WQ30-30-5.5TT	5.5	7.5	3"	52	39	39	33	26												
WQ80-15-7.5TT	7.5	10	4"	138	23	23	21	20	18	16	13	10								
WQ100-10-7.5TT	7.5	10	6"	150	25	25	22	20	17	15	13	10								



Package Dimensions



Model	L	W	H
	cm	cm	cm
WQD10-10-0.75	55	23	25
WQ10-10-0.75	55	23	25
WQD15-10-1.1	55	23	25
WQ15-10-1.1	55	23	25
WQD15-15-1.5	55	23	25
WQ15-15-1.5	55	23	25
WQ15-20-2.2	58	23	28
WQ25-15-2.2	58	23	28
WQ40-10-2.2	61	24	29
WQ50-7-2.2	62	25	31
WQ15-25-3	60	23	28
WQ37-13-3	60	23	28
WQ45-12-3	61	24	29
WQ60-9-3	62	25	31
WQ15-30-4	64	23	28
WQ25-25-4	64	23	28
WQ40-16-4	64	23	28
WQ60-12-4	68	26	31
WQ20-32-5.5	74	27	31
WQ30-25-5.5	74	27	31
WQ50-18-5.5	74	27	31
WQ80-10-5.5	74	27	31
WQ20-40-7.5	74	27	31
WQ30-32-7.5	74	27	31
WQ45-22-7.5	74	27	31
WQ80-15-7.5	74	27	31
WQ100-10-7.5	76	30	38

WSD

Sewage Pump

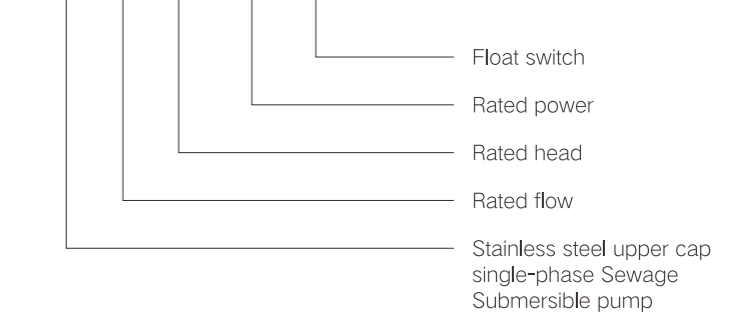


For Selection



Model Description

WSD 6 - 12 - 0.55 (A)



Application Range

- This series of products are used in industrial, agricultural, mining, construction sites, municipal environmental protection, and other scenarios. It can pump objects containing short fibers, sediment, paper scraps, and other solid particles or soft solids. It is used for agricultural irrigation and construction. Ideal water conservancy equipment.

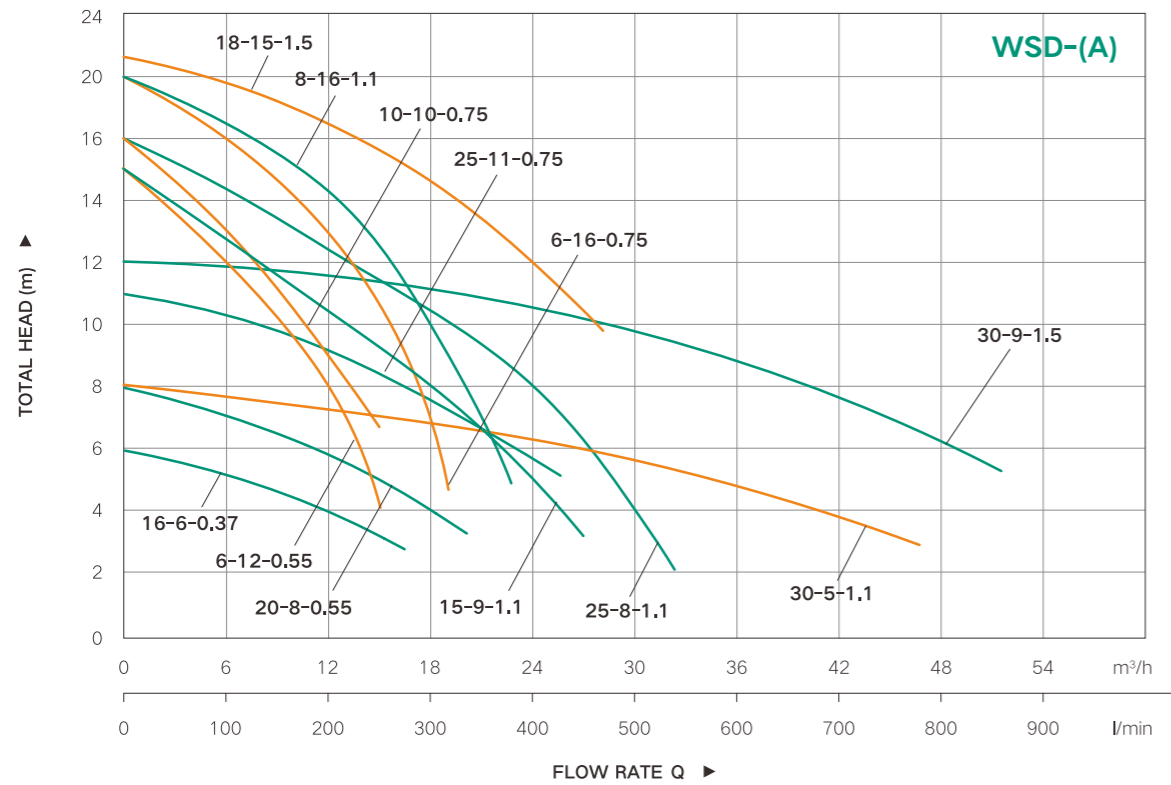
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2m

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Stainless steel
- Motor housing: Stainless steel
- Pump body: Cast iron
- Handle: Stainless steel
- Impeller: Cast iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve

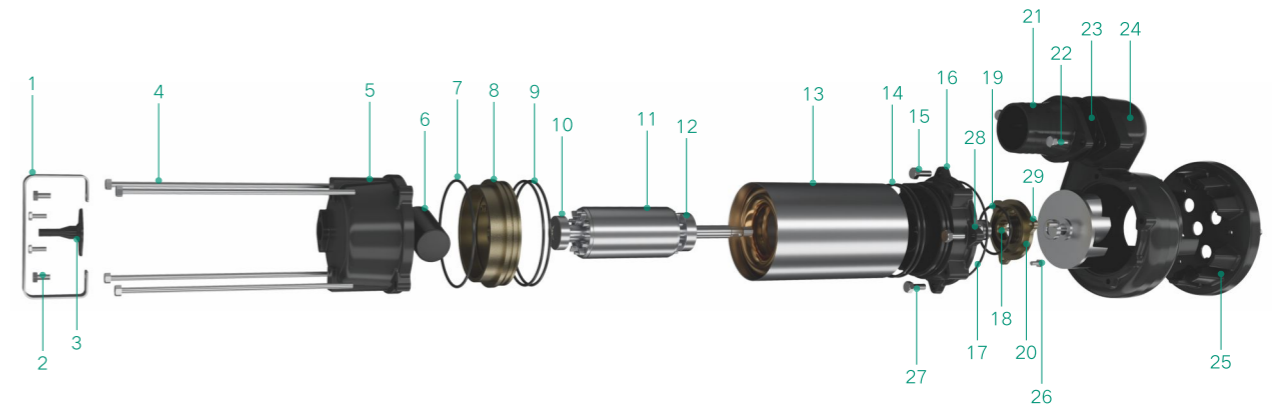


Performance Parameters

Model	Power		Outlet	Qmax	Hmax	Q(m³/h)										
	kW	HP	In	m³/h	m	0	6	12	18	24	30	36	42	48	54	
WSD6-12-0.55(A)	0.55	0.75	1.5"	16	15	15	12	8								
WSD6-16-0.75(A)	0.75	1	1.5"	19	20	20	16	13	7							
WSD10-10-0.75(A)	0.75	1	1.5"	15	16	16	13	9								
WSD15-9-1.1(A)	1.1	1.5	2"	27	13	13	12	10	8	5						
WSD8-16-1.1(A)	1.1	1.5	2"	23	20	20	17	15	10							
WSD30-5-1.1(A)	1.1	1.5	3"	45	8	8	7.5	7	6.5	6	5	4	3			
WSD18-15-1.5(A)	1.5	2	2"	28	21	21	19	17	15	12						
WSD25-8-1.5(A)	1.5	2	2"	32	16	16	14	12	10	8	4					
WSD30-9-1.5(A)	1.5	2	3"	56	12	12	11	10.5	10	9.5	9	8.5	7.5	6	4	
WSD16-6-0.37(A)	0.37	0.5	2"	16	6	6	5	4								
WSD20-8-0.55(A)	0.55	0.75	2"	20	8	8	7	6	4							
WSD25-11-0.75(A)	0.75	1	2"	25	11	11	10	9	7.5	5						

The above models with (A) means with float switch (The float switch can be chosen by customer)

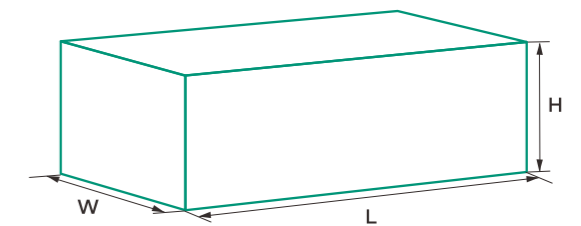
Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Handle	11	Rotor	21	Outlet
2	Bolt	12	Bearing	22	Bolt
3	Cable	13	Stator/Motor housing	23	Flat gasket
4	Bolt	14	O-ring	24	Pump body
5	Cap	15	Bolt	25	Base
6	Capacitor	16	Lower bearing seat	26	Bolt
7	O-ring	17	O-ring	27	Bolt
8	Upper bearing seat	18	Mechanical seal	28	Skeleton oil seal
9	O-ring	19	O-ring	29	Nut/Spring Washer
10	Bearing	20	Oil chamber cover		

Package Dimensions

Model	L	W	H
	cm	cm	cm
WSD6-12-0.55(A)	47	23	28
WSD6-16-0.75(A)	49	22.5	28
WSD10-10-0.75(A)	49	22.5	28
WSD15-9-1.1(A)	53	29	26
WSD8-16-1.1(A)	53	29	26
WSD18-15-1.5(A)	53	29	26
WSD25-8-1.5(A)	53	29	26
WSD16-6-0.37(A)	46.5	26	17



Model	L	W	H
	cm	cm	cm
WSD20-8-0.55(A)	47.5	26	18
WSD25-11-0.75(A)	49	26.5	20
WSD30-5-1.1(A)	50.5	31.5	24
WSD30-9-1.5(A)	54	31.5	24

50WFD/ 50WSD

Sewage Pump



Cutting blade inside

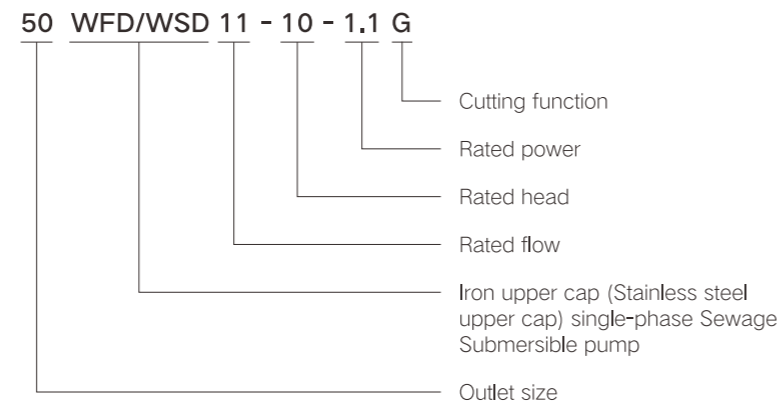


50WFD



50WSD

Model Description



Application Range

- The main features of this series of products are non-clogging, compact structure, and high efficiency, which can pump liquids such as long fibers and magazines. This series of products are suitable for engineering construction sites, printing and dyeing, textiles, municipal engineering, sewage treatment, and other occasions, and can also be used for water drainage and irrigation.

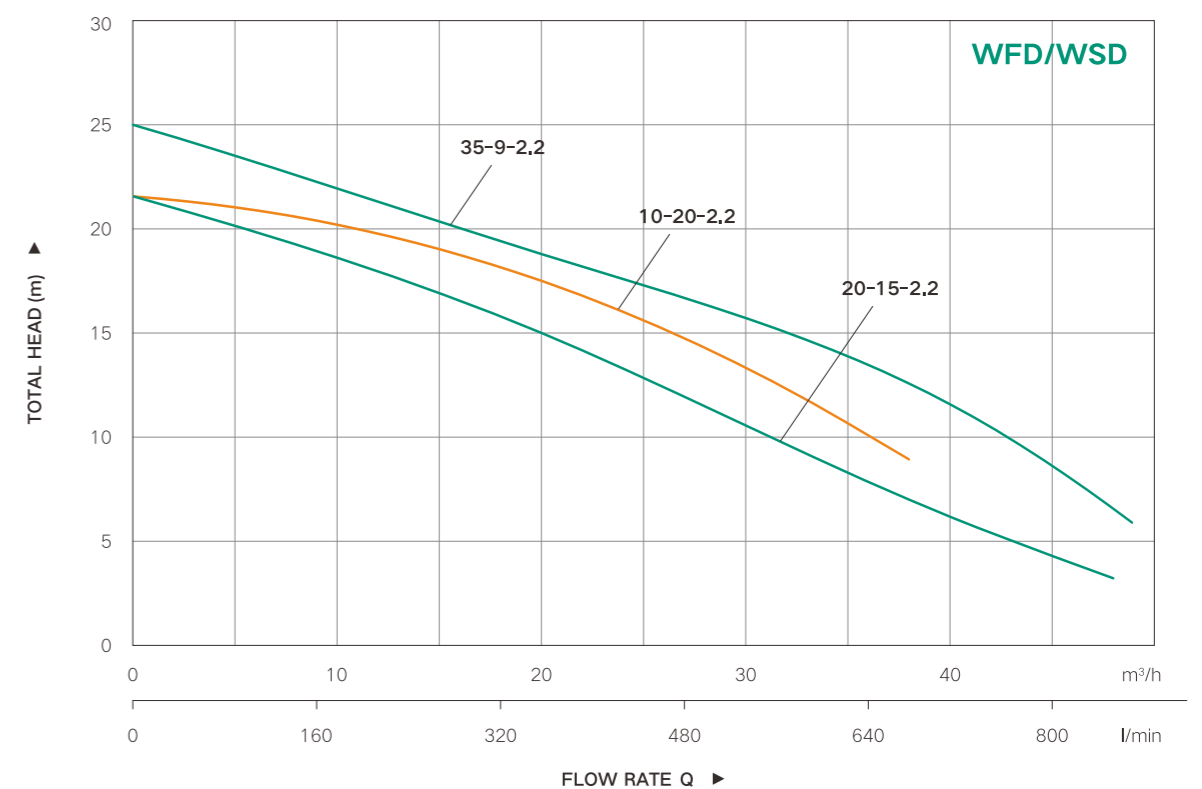
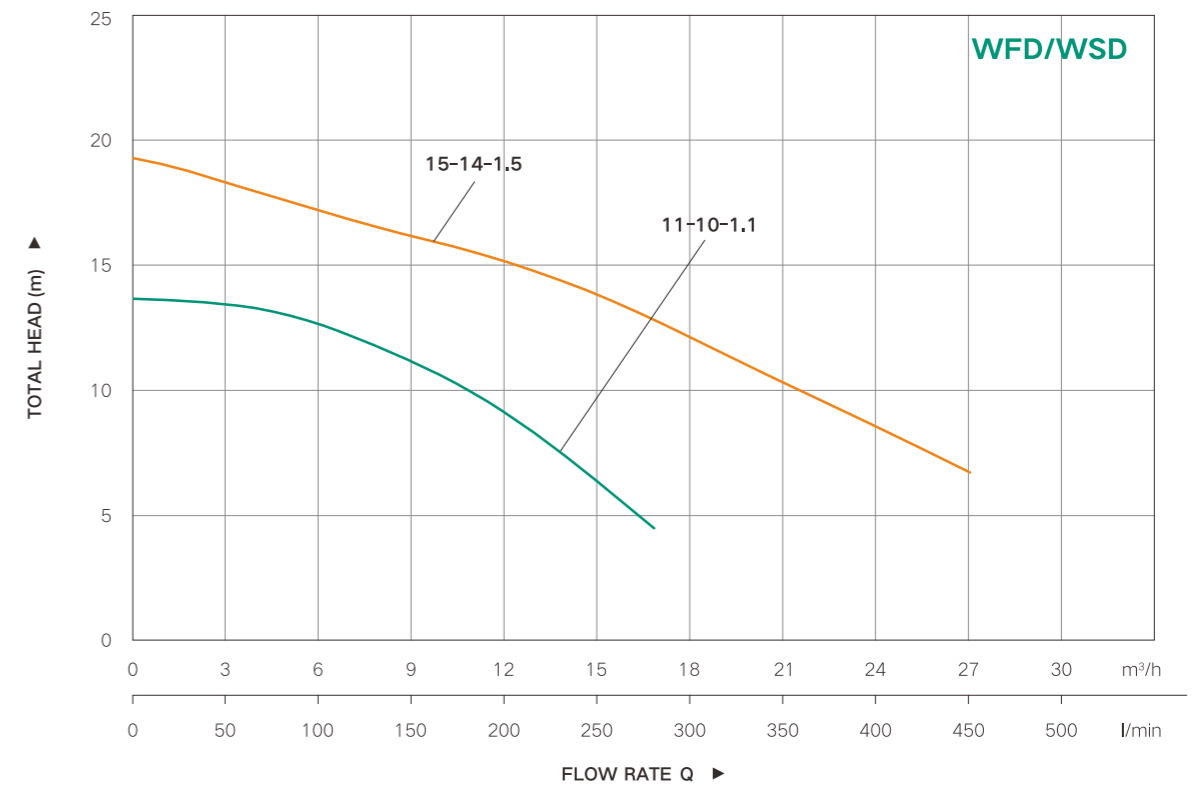
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: $1.2 \times 10^3 \text{ kg/m}^3$
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2m

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast iron/Stainless steel
- Motor housing: Stainless steel
- Pump body: Cast iron
- Handle: Stainless steel
- Impeller: Alloy
- Cutter: Alloy
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve

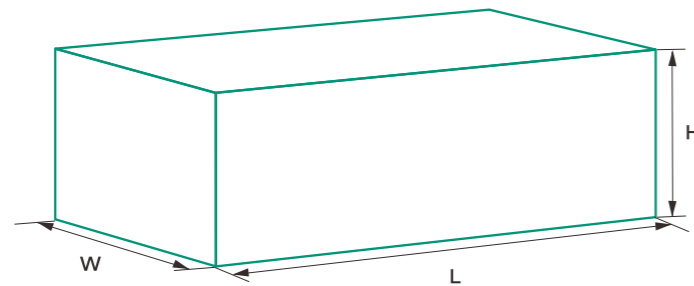


Performance Parameters

Model	Power		Outlet	Qmax	Hmax	Q(m³/h)	0	3	5	8	11	14	17
	kW	HP	In	m³/h	m	Q(l/min)	0	50	83	133	183	233	283
50WSD11-10-1.1G(A)	1.1	1.5	2"	17	15	H(m)	15	13.5	13	11.5	10	7.5	4.5
50WFD11-10-1.1G(A)	1.1	1.5	2"	17	15		15	13.5	13	11.5	10	7.5	4.5
50WSD15-14-1.5G(A)	1.5	2	2"	27	19.5		19.5	17	16	14	11	8	7
50WFD15-14-1.5G(A)	1.5	2	2"	27	19.5		19.5	17	16	14	11	8	7

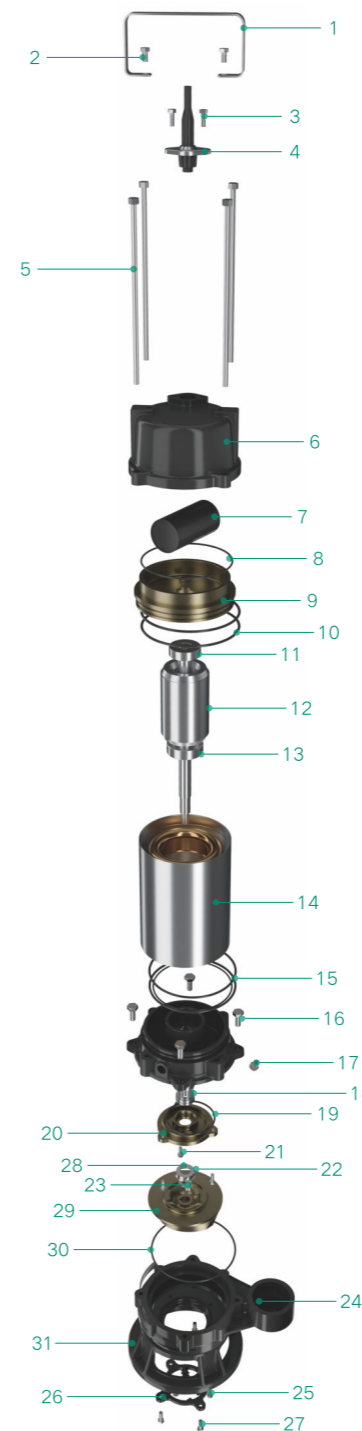
Model	Power		Outlet	Qmax	Hmax	Q(m³/h)	0	5	10	15	20	25	30	35	40	45	
	kW	HP	In	m³/h	m	Q(l/min)	0	83	167	250	333	416	500	583	666	750	
50WF10-20-2.2G	2.2	3	2"	37	21	H(m)	21	20.5	18	17	15	13	11				
65WF20-15-2.2G	2.2	3	2.5"	47	21		21	19	16	15	12	10	8	6	4		
80WF35-9-2.2G	2.2	3	3"	45	25		25	23	20	19	17	16	14	13	12		

Package Dimensions



Model	L	W	H
	cm	cm	cm
50WSD11-10-1.1G(A)	49	21	29
50WSD15-14-1.5G(A)	54	25	30
50WFD11-10-1.1G(A)	49	21	29
50WFD15-14-1.5G(A)	54	25	30

Product Structure



NO.	Part
1	Handle
2	Screw
3	Screw
4	Cable
5	Bolt
6	Cap
7	Capacitor
8	O-ring
9	Upper bearing seat
10	O-ring
11	Bearing
12	Rotor
13	Bearing
14	Stator/Motor housing
15	O-ring
16	Bolt
17	Air bolt/washer
18	Mechanical seal
19	O-ring
20	Oil chamber cover
21	Bolt
22	Adjusting washer
23	Nut
24	Pump body
25	Bolt
26	Cutting disc
27	Bolt
28	Air bolt/washer
29	Cutting impeller
30	O-ring
31	Base

WQD

Sewage Pump

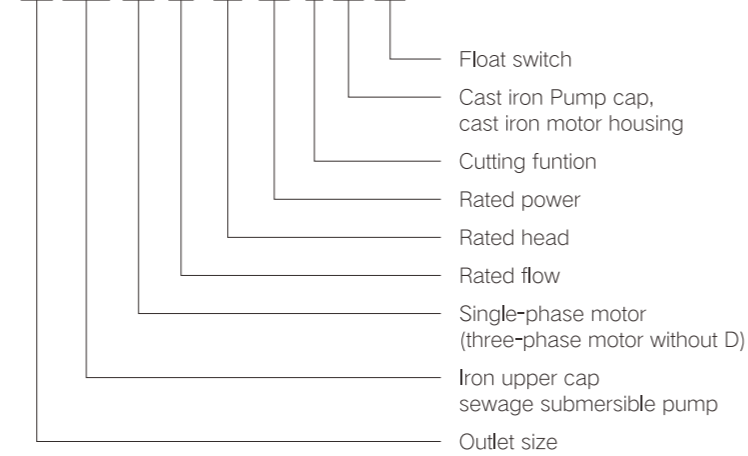


For Selection



Model Description

50 WQ (D) 11-10-1.1 Q TT (A)



Application Range

- The main features of this series of products are non-clogging, compact structure and high efficiency, which can pump liquids such as long fiber sand magazines.
- This series of products are suitable for engineering construction sites, printing and dyeing, textiles, municipal engineering, sewage treatment and other occasions, and can also be used for water drainage and irrigation.

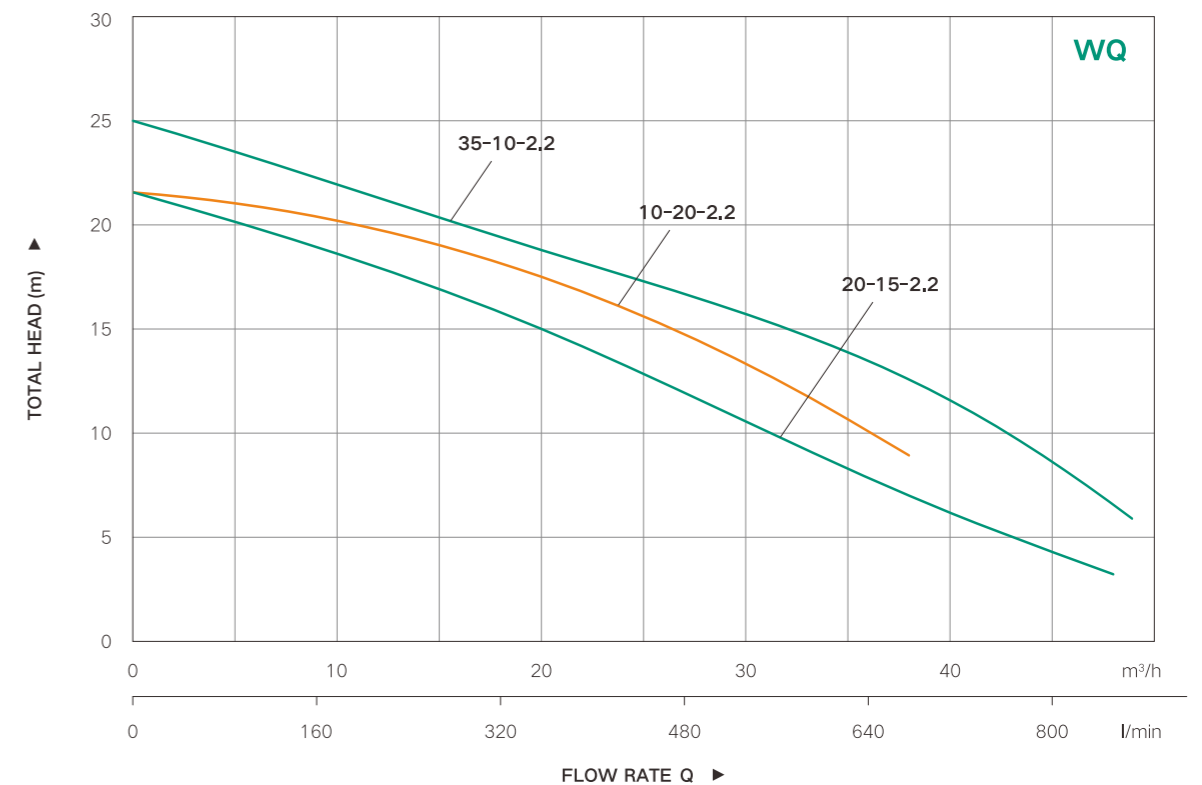
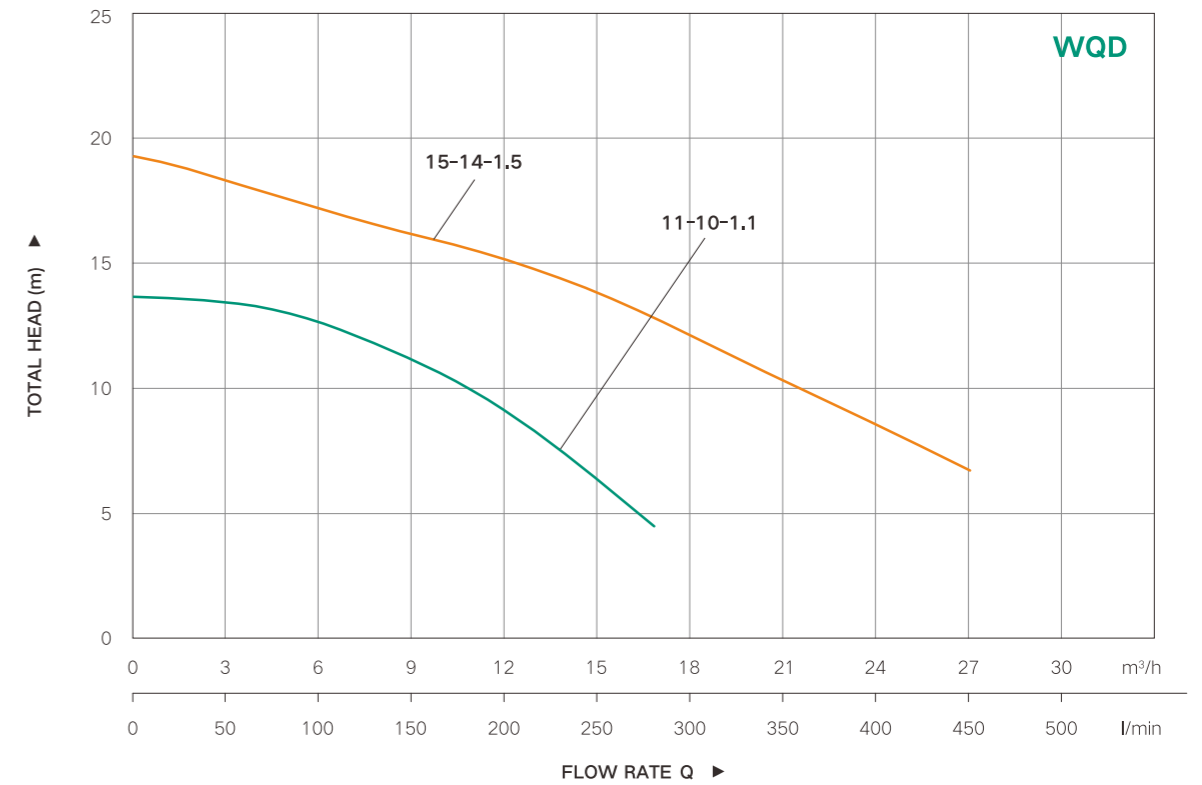
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m—5m
- Maximum sand content is 0.1%. Passage of suspended solids up to 0.2m

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast iron
- Motor housing: Cast iron
- Pump body: Cast iron
- Handle: Stainless steel
- Impeller: Alloy
- Cutter: Alloy
- Shaft: Stainless steel welded
- Mechanical seal: Carbon Ceramic

Performance Curve



Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Q(m³/h)	Q(l/min)								
	kW	HP					0	3	5	8	11	14	17		
50WQD11-10-1.1QTT(A)	1.1	1.5	2"	17	15	H(m)	15	13.5	13	11.5	10	7.5	4.5		
50WQD15-14-1.5QTT(A)	1.5	2	2"	27	19.5		19.5	17	16	14	11	8	7		
50WQ15-14-1.5QTT(A)	1.5	2	2"	27	19.5		19.5	17	16	14	11	8	7		

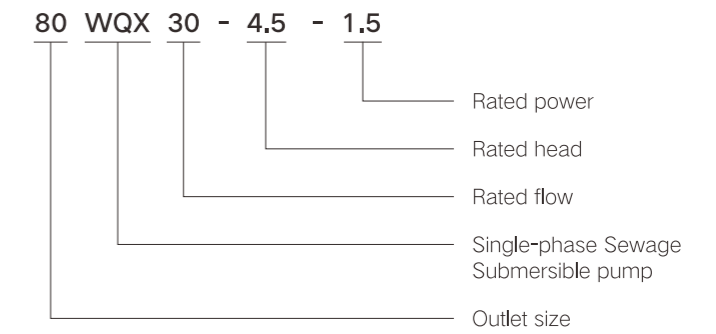
Model	Power		Outlet In	Qmax m³/h	Hmax m	Q(m³/h)	Q(l/min)												
	kW	HP					0	5	10	15	20	25	30	35	40	45			
50WQ10-20-2.2QTT	2.2	3	2"	37	21	H(m)	21	20.5	20	18	17	15	13	11					
65WQ20-15-2.2QTT	2.2	3	2.5"	47	21		21	19	18	16	15	12	10	8	6	4			
80WQ35-10-2.2QTT	2.2	3	3"	45	25		25	23	22	20	19	17	16	14	13				

WQX

Sewage Pump



Model Description



Application Range

- WQX series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

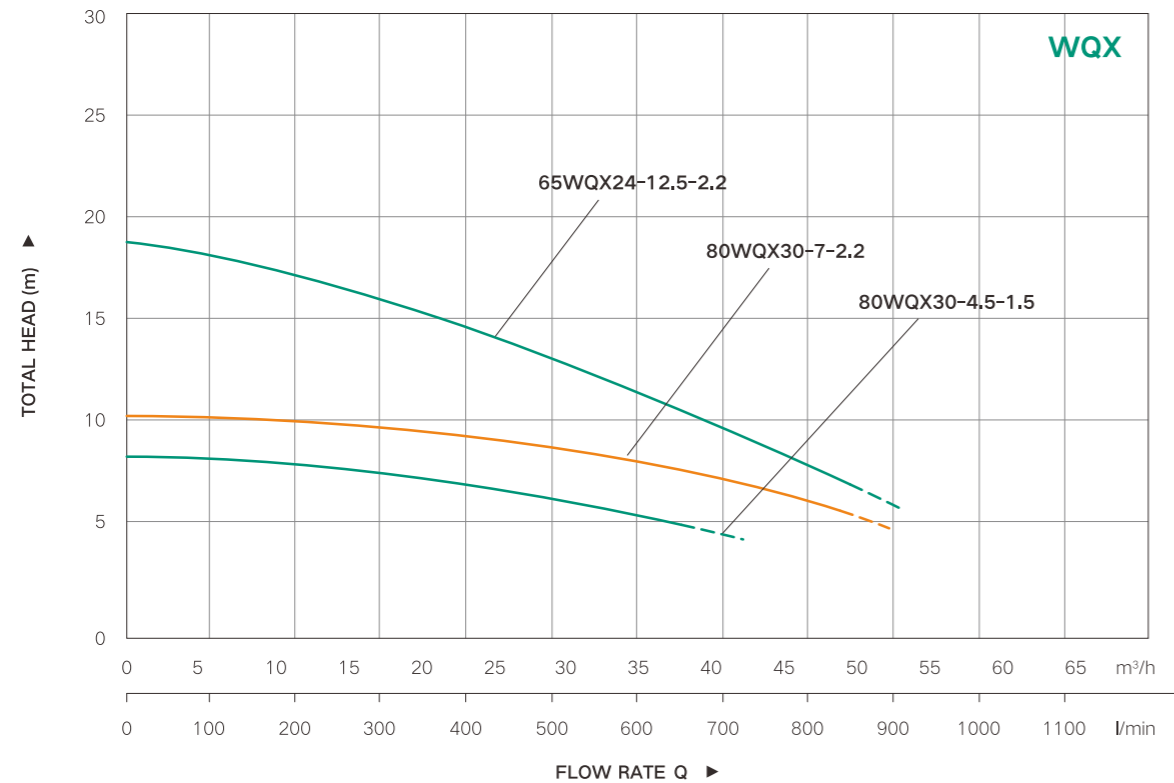
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 4-10
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1%, Passage of suspended solids up to 0.2m

Motor and Pump Body

- Winding: 100% Copper wire
- Pump cap: Cast iron
- Motor housing: Cast iron
- Pump body: Cast iron
- Impeller: Cast Iron
- Bearing: C&U
- Shaft: Stainless steel welded
- Mechanical seal: Carbon/Ceramic

Performance Curve

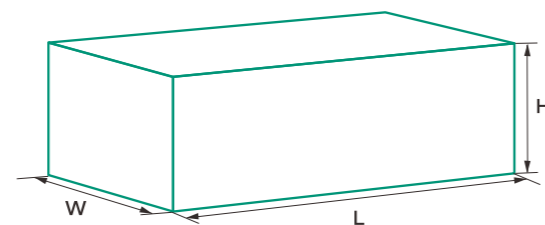


Performance Parameters

Model	Power		Outlet In	Q(m³/h)	Q(l/min)					
	kW	HP			0	10	20	30	40	50
80WQX30-4.5-1.5	1.5	2	3"	H(m)	7.7	7.5	7	6	4.5	
80WQX30-7-2.2	2.2	3	3"		10.2	10	9.5	8.5	6.1	5.5
65WQX24-12.5-2.2	2.2	3	2.5"		18.3	17	15	12.6	10	6.8

Package Dimensions

Model	L	W	H
	cm	cm	cm
80WQX30-4.5-1.5	68	29	28
80WQX30-7-2.2	68	29	28
65WQX24-12.5-2.2	68	29	28

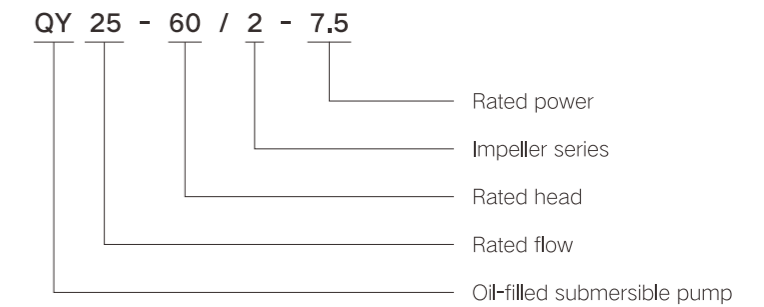


QY

Submersible Pump



Model Description



Application Range

- This series of products is suitable for farmland irrigation, drainage, garden sprinkler irrigation, underground water pumping, water tower water supply, urban construction water and other purposes.

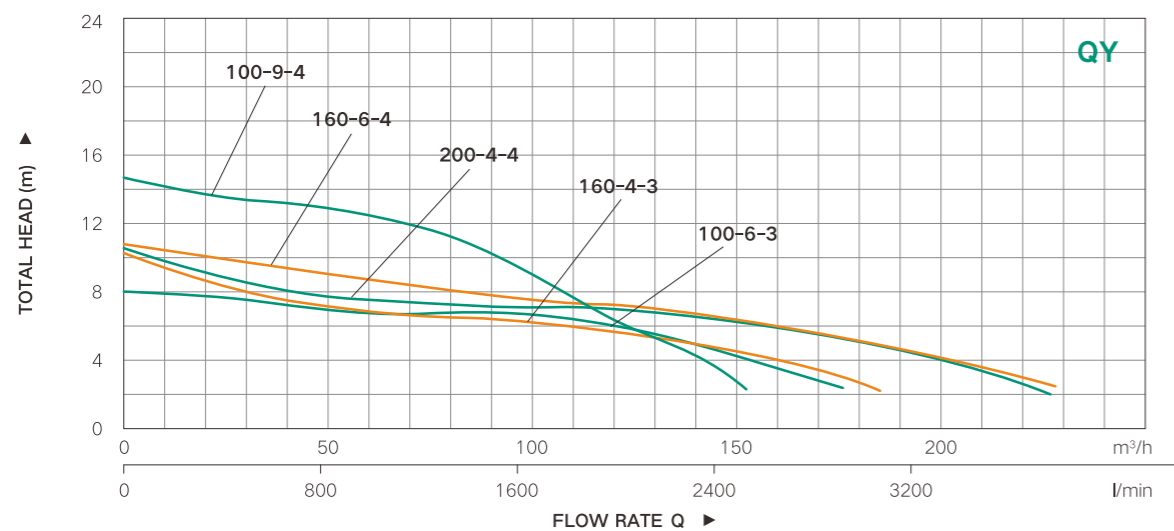
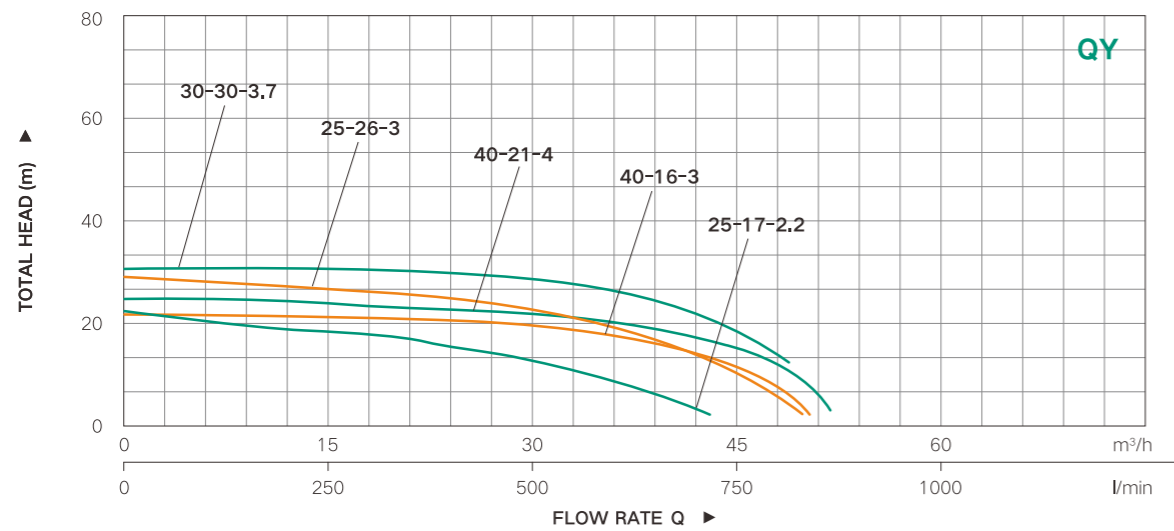
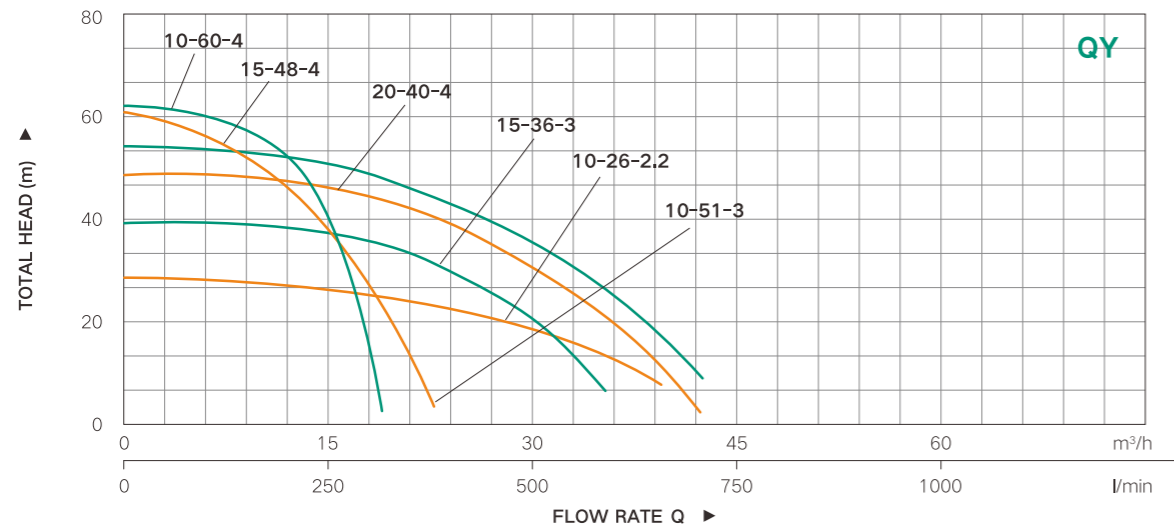
Working Conditions

- Maximum liquid temperature +40°C
- PH level from 6.5-8.5
- Maximum sand content is 0.1%. Passage of suspended solids up to 0.2mm
- Power frequency is 50Hz. Nominal voltage is 220VAC for single phase and 380VAC for three phase with the range from -10% to 10%
- Immersion depth from 0.5m-5m

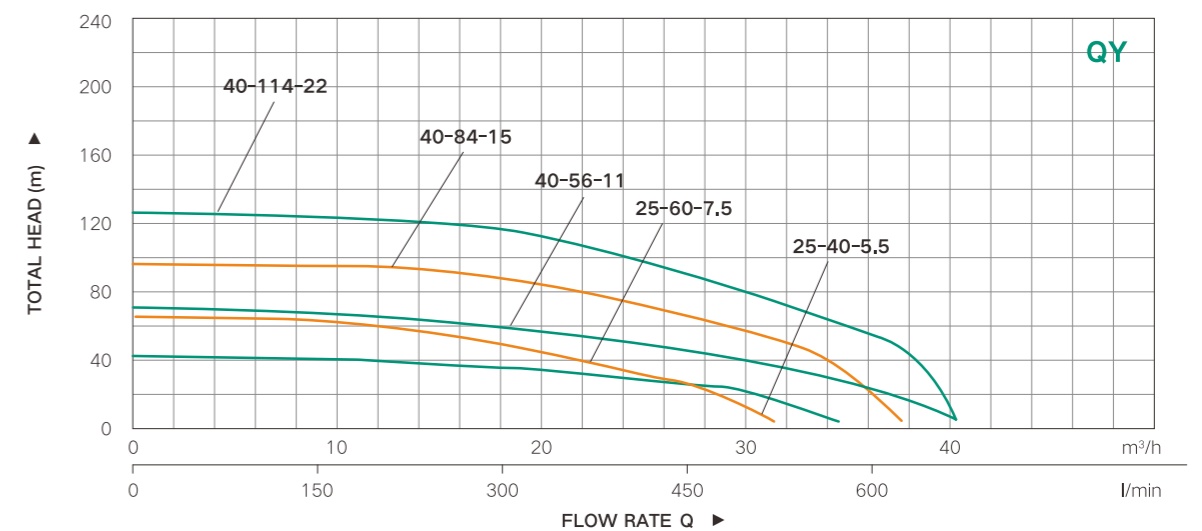
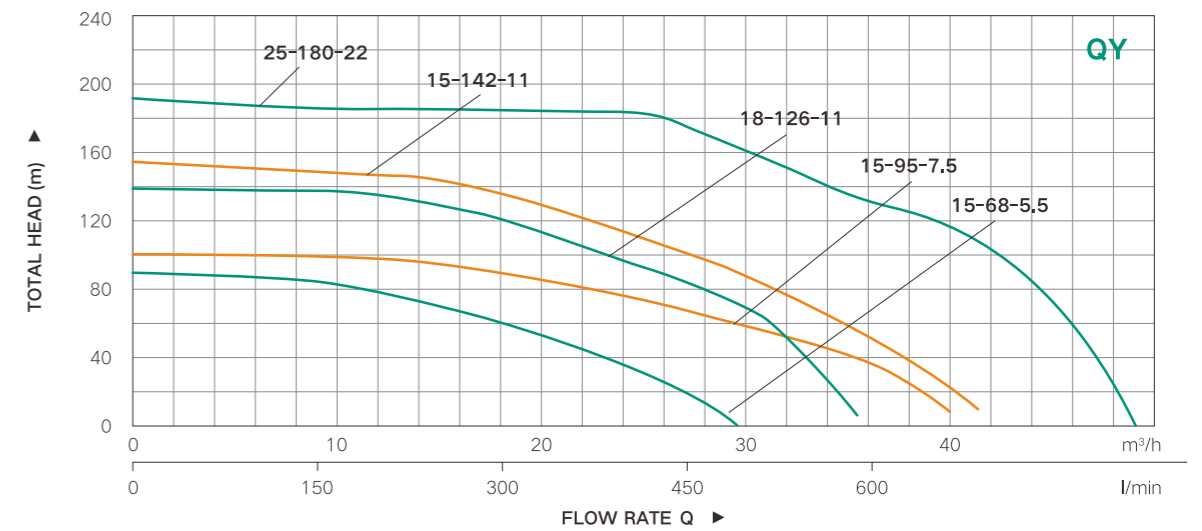
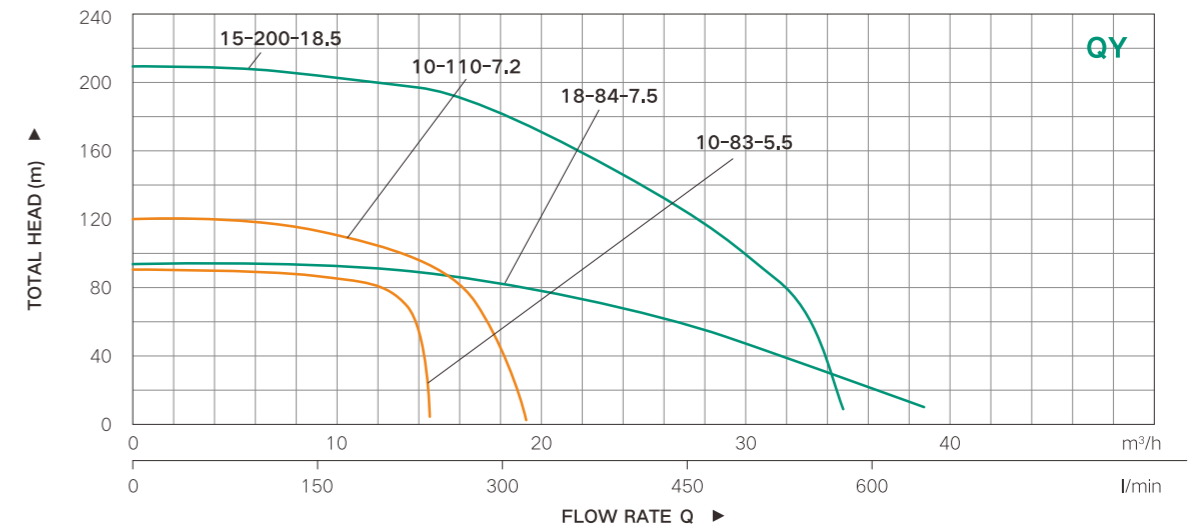
Motor and Pump Body

- The water pump is located on the upper part of the pump, which is a centrifugal/mixed-flow/axial-flow structure; the motor is located at the lower part of the pump, which is an oil-filled three-phase asynchronous motor; the mechanical seal is used between the water pump and the motor. O-shaped oil-resistant rubber sealing ring is used for static sealing.
- Impeller: Cast Iron
- Mechanical seal: Carbon/Ceramic

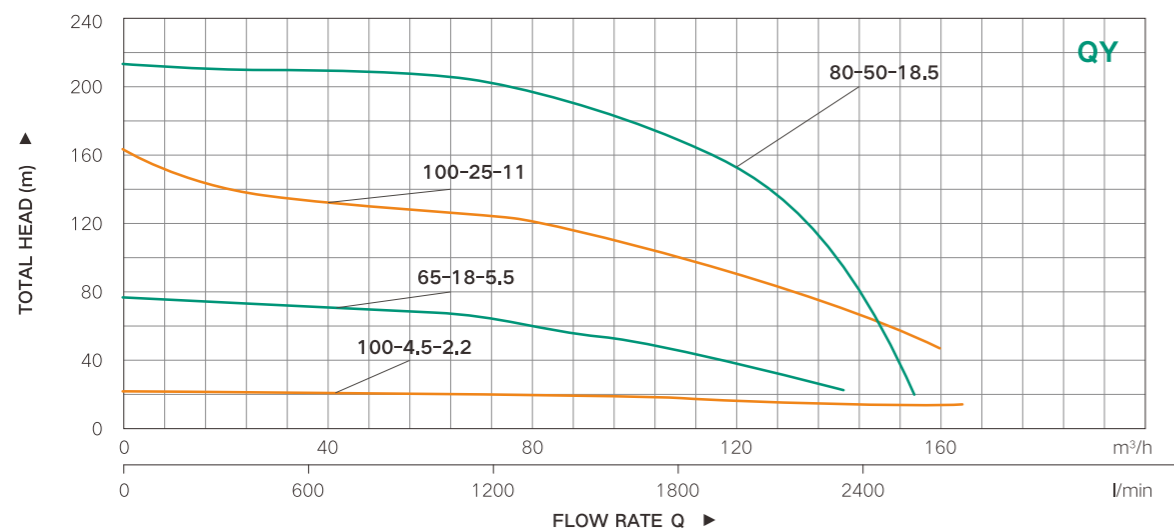
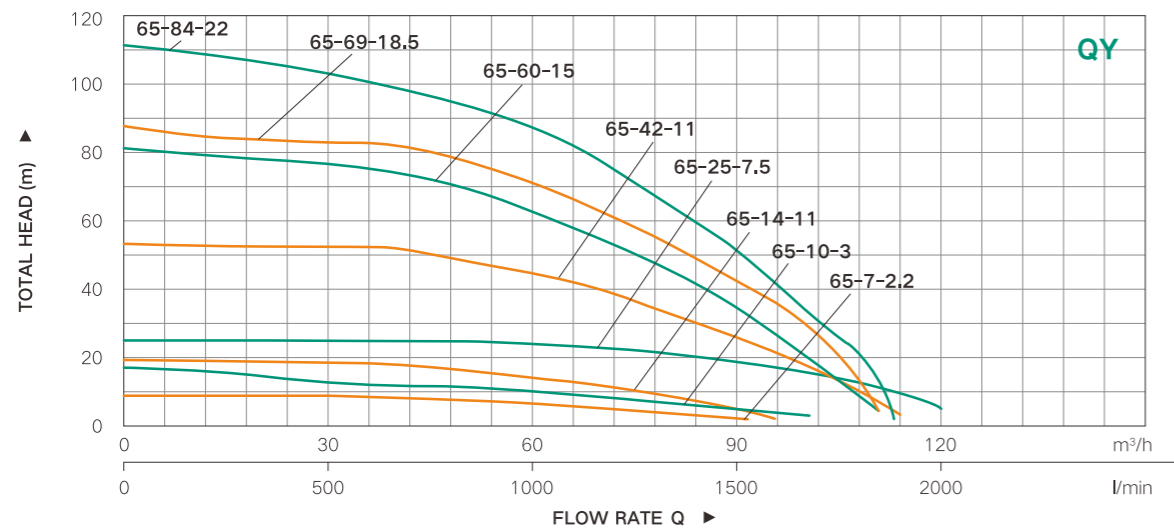
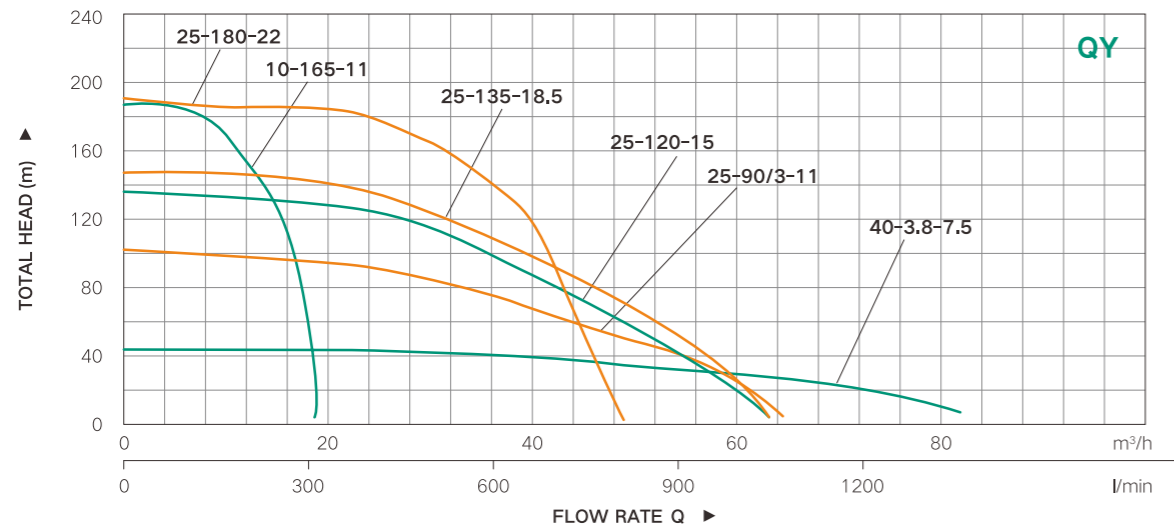
Performance Curve



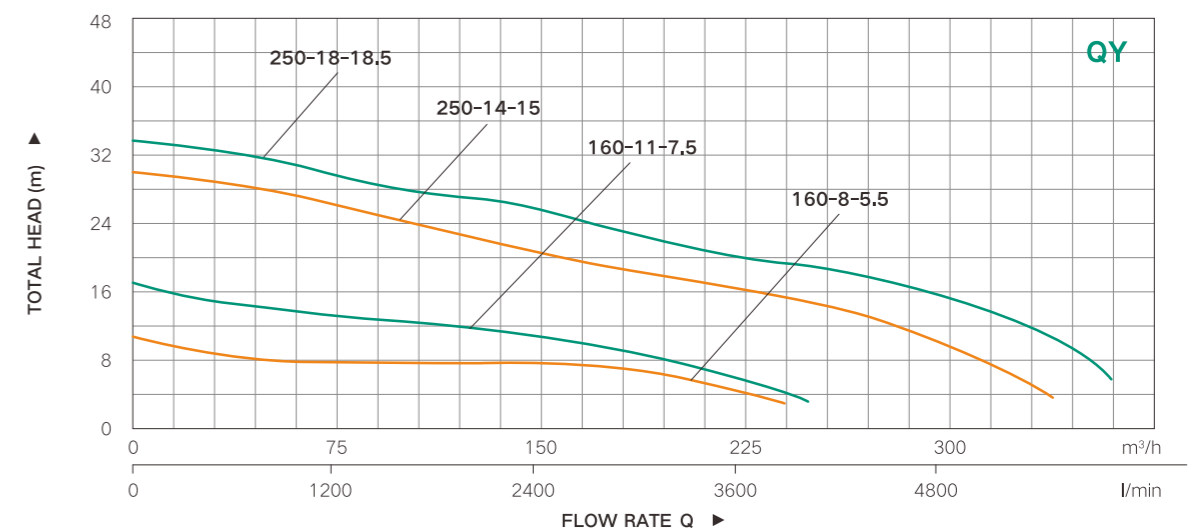
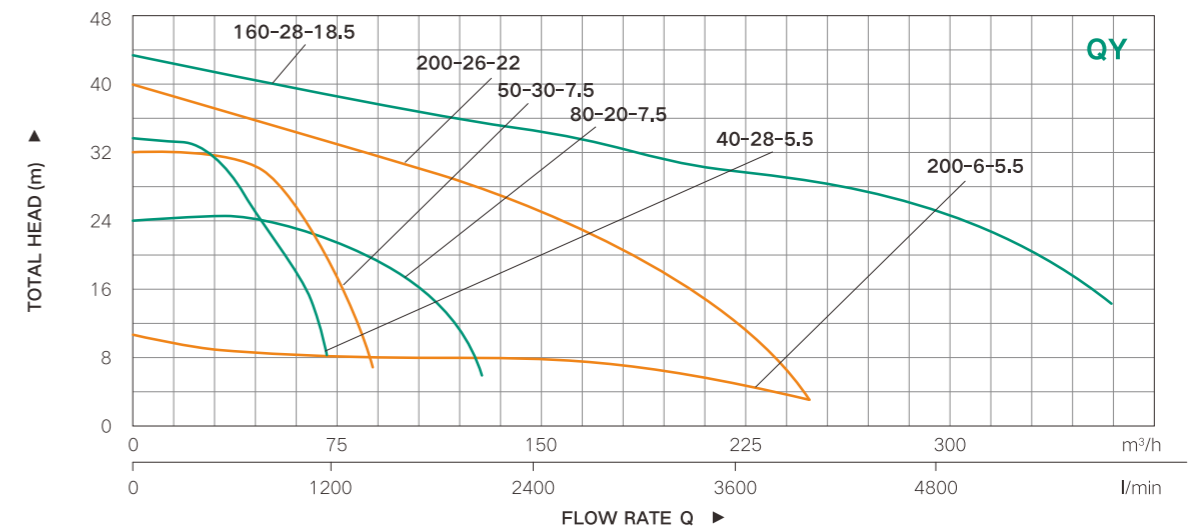
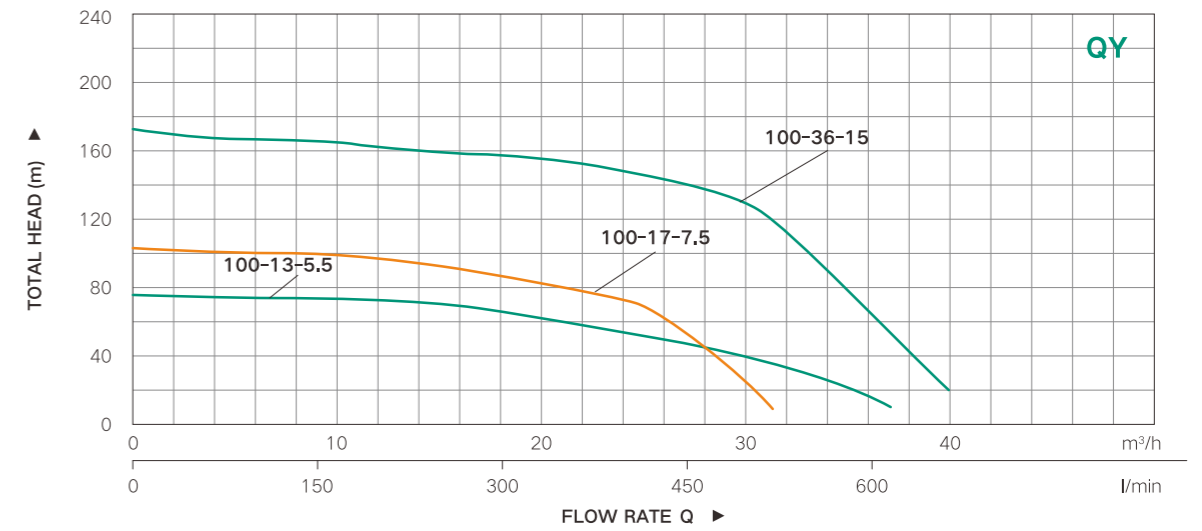
Performance Curve



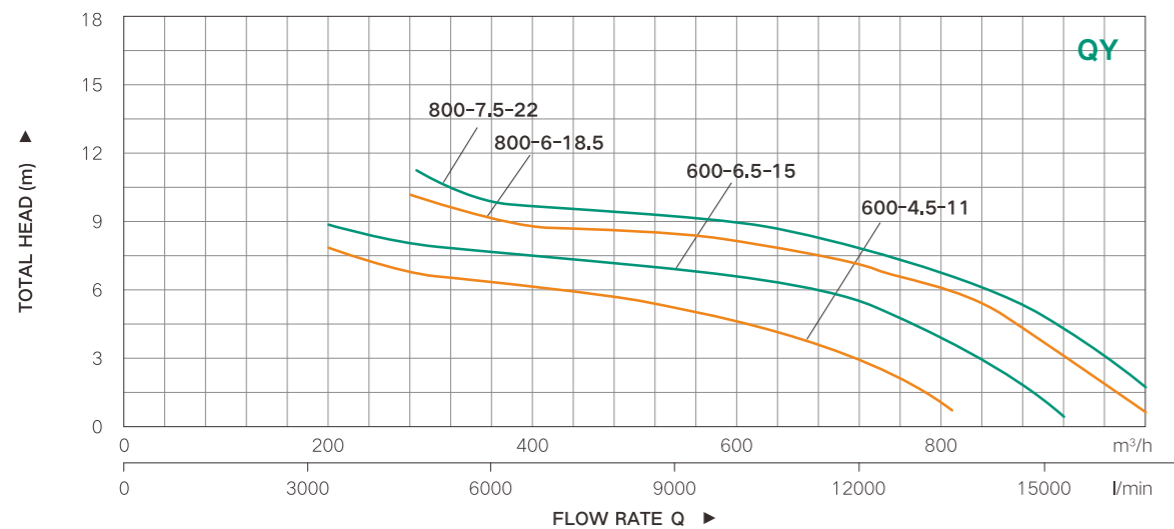
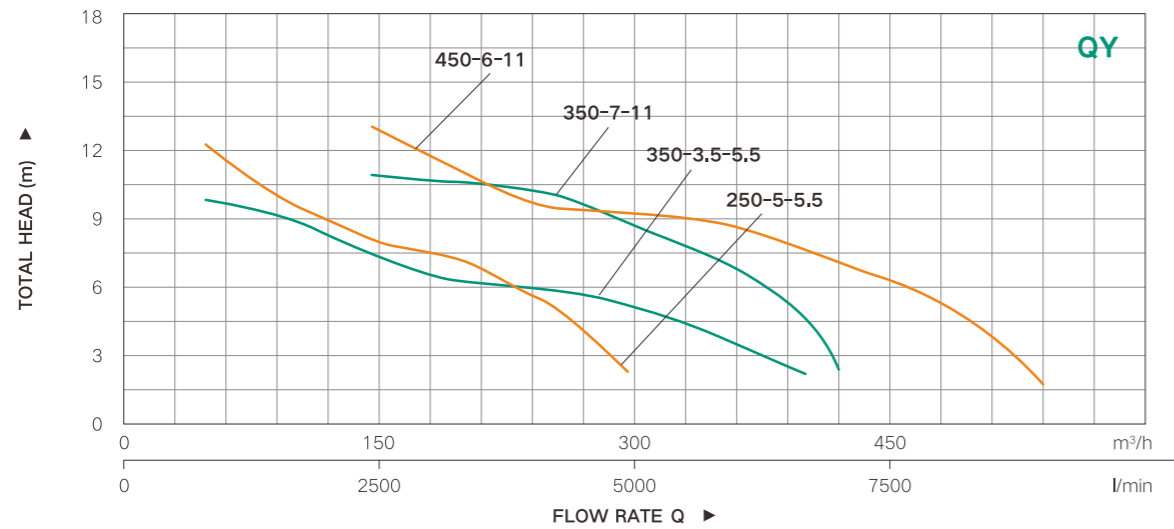
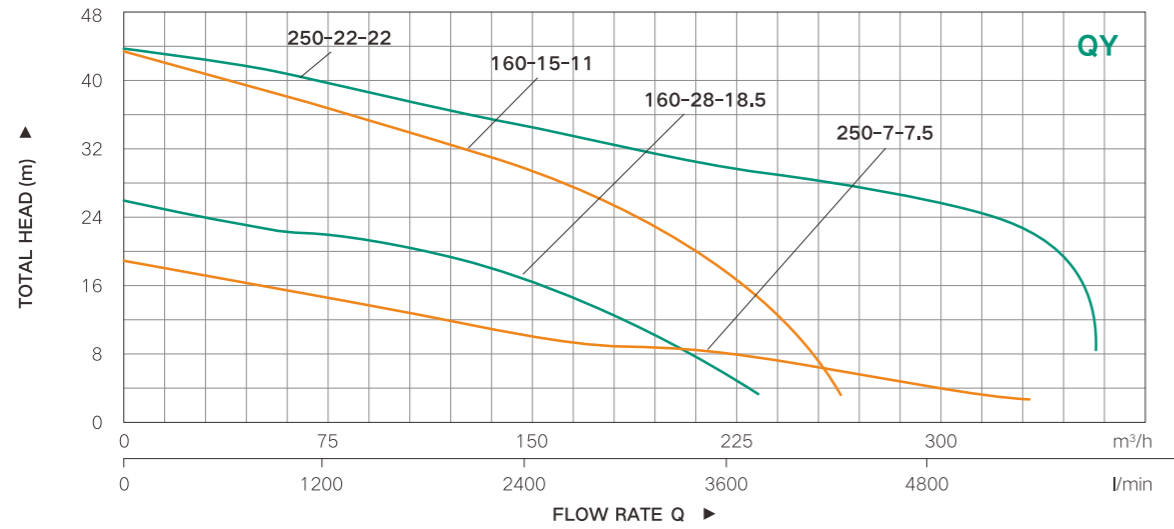
Performance Curve



Performance Curve



Performance Curve



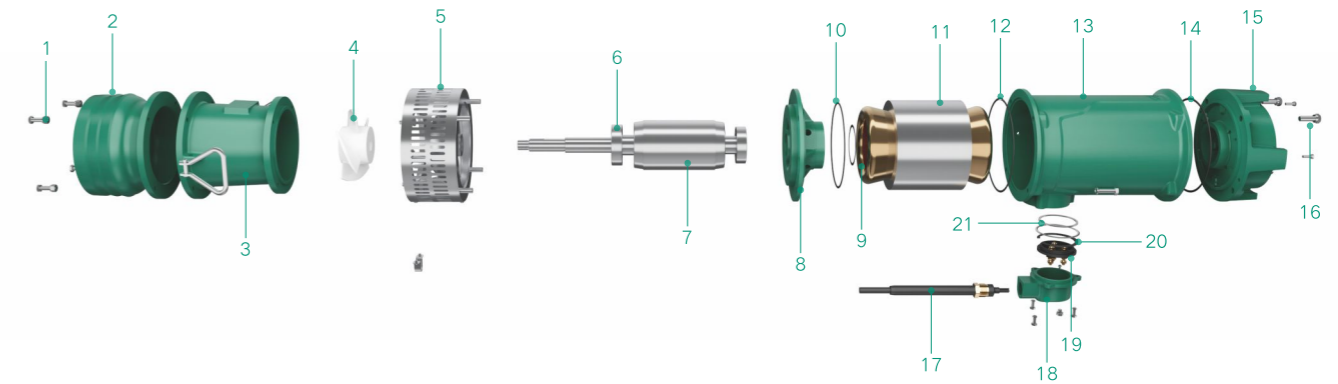
Performance Parameters

Model	Power		Rated flow	Rated head	Voltage	Current	Speed	Diameter	Weight	Scope of use	Size
	kW	HP	m³/h	m	V	A	r/min	mm	kg	m	mm
QY15-26-2.2	2.2	3	15	26	380	5.4	3000	51	42	0-30	Φ255*570
QY25-17-2.2	2.2	3	25	17	380	5.4	3000	64	41	0-20	Φ255*565
QY38-14-2.2	2.2	3	38	14	380	5.4	3000	76	42	/	/
QY65-7-2.2	2.2	3	65	7	380	5.4	3000	102	44	0-10	Φ245*610
QY100-4.5-2.2	2.2	3	100	4.5	380	5.4	3000	152	41	1.5-4.5	Φ245*640
QY15-36-3	3	4	15	36	380	7.2	3000	51	43	0-39	Φ280*600
QY25-26-3	3	4	25	26	380	7.2	3000	64	45	0-30	Φ255*600
QY40-16-3	3	4	40	16	380	7.2	3000	76	44	0-22	Φ260*615
QY65-10-3	3	4	65	10	380	7.2	3000	102	46	0-17	Φ240*635
QY100-6-3	3	4	100	6	380	7.2	3000	152	/	1.5-6	Φ245*660
QY20-36/2-3	3	4	20	36	380	7.2	3000	65	/	/	/
QY10-51/3-3	3	4	10	51	380	7.2	3000	51	61	45-60	245*705
QY160-4-3	3	4	160	4	380	7.2	3000	152	51	1.5-4	245*690
QY30-30-3.7	3.7	5	30	30	380	8.7	3000	64	59	18-31	625*275
QY65-14-4	4	5.5	65	14	380	9.3	3000	102	59	8-20	270*680
QY40-21-4	4	5.5	40	21	380	9.3	3000	76	55	0-26	260*655
QY100-9-4	4	5.5	100	9	380	9.3	3000	152	61	0-14	255*700
QY10-60/2-4	4	5.5	10	60	380	9.3	3000	51	66	45-61	675*260
QY200-4-4	4	5.5	200	4	380	9.3	3000	203	60	2.5-4	245*745
QY20-40/2-4	4	5.5	20	40	380	9.3	3000	64	64	0-48	255*690
QY40-28-5.5	5.5	7.5	40	28	380	12.6	3000	76	79	19-34	275*690
QY100-13-5.5	5.5	7.5	100	13	380	12.6	3000	152	86	0-19	265*750
QY10-83/3-5.5	5.5	7.5	10	83	380	12.6	3000	51	106	62-85	280*970
QY25-40-5.5	5.5	7.5	25	40	380	12.6	3000	64	77	33-43	285*690
QY65-18-5.5	5.5	7.5	65	18	380	12.6	3000	102	84	0-19	265*735
QY160-8-5.5	5.5	7.5	160	8	380	12.6	3000	152	77	1.5-8	265*790
QY200-6-5.5	5.5	7.5	200	6	380	12.6	3000	203	85	0-6	270*785
QY250-5-5.5	5.5	7.5	250	5	380	12.6	3000	203	79	3.5-5	275*815
QY350-3.5-5.5	5.5	7.5	350	3.5	380	12.6	3000	203	79	2-3.5	275*820
QY10-110/4-7.5	7.5	10	10	110	380	16.8	3000	51	147	84-115	270*1060
QY15-95/4-7.5	7.5	10	15	95	380	16.8	3000	64	128	80-98	270*1080
QY18-84/4-7.5	7.5	10	18	84	380	16.8	3000	64	128	70-88	275*1065
QY25-60/2-7.5	7.5	10	25	60	380	16.8	3000	64	101	45-66	275*825
QY65-25-7.5	7.5	10	65	25	380	16.8	3000	102	95	0-26	265*790
QY80-20-7.5	7.5	10	80	20	380	16.8	3000	102	95	0-24	270*750

Performance Parameters

Model	Power		Rated flow	Rated head	Voltage	Current	Speed	Diameter	Weight	Scope of use	Size
	kW	HP	m³/h	m	V	A	r/min	mm	kg	m	mm
QY40-38-7.5	7.5	10	40	38	380	16.8	3000	76	86	28-44	295*735
QY50-30-7.5	7.5	10	50	30	380	16.8	3000	76	90	0-32	280*760
QY100-17-7.5	7.5	10	100	17	380	16.8	3000	152	99	0-25	270*800
QY160-11-7.5	7.5	10	160	11	380	16.8	3000	152	104	2.5-11	270*885
QY200-9-7.5	7.5	10	200	9	380	16.8	3000	203	104	3-9	270*900
QY250-7-7.5	7.5	10	250	7	380	16.8	3000	203	91	3-7	270*860
QY350-7-11	11	15	350	7	380	24.3	3000	203	102	2.5-7	280*825
QY450-6-11	11	15	450	6	380	24.3	3000	253	116	2-6	315*1030
QY10-165/6-11	11	15	10	165	380	24.3	3000	51	151	130-170	270*1200
QY15-142/6-11	11	15	15	142	380	24.3	3000	64	153	130-157	270*1200
QY25-90/3-11	11	15	25	90	380	24.3	3000	64	122	68-95	275*925
QY40-56/2-11	11	15	40	56	380	24.3	3000	76	107	0-65	275*835
QY65-42/2-11	11	15	65	42	380	24.3	3000	102	111	0-54	280*885
QY100-25-11	11	15	100	25	380	24.3	3000	102	104	0-40	295*820
QY18-126/6-11	11	15	18	126	380	24.3	3000	64	122	68-95	275*925
QY600-4.5-11/4P	11	15	600	4.5	380	24.3	1500	356	190	2-4.5	440*1250
QY25-120/3-15	15	20	25	120	380	33	3000	64	194	100-132	325*1185
QY40-84/3-15	15	20	40	84	380	33	3000	76	173	67-97	325*1030
QY65-60/3-15	15	20	65	60	380	33	3000	102	177	18-78	325*1120
QY100-36-15	15	20	100	36	380	33	3000	102	157	0-42	360*910
QY250-14-15	15	20	250	14	380	33	3000	203	161	0-29	320*1075
QY160-23-15	15	20	160	23	380	33	3000	152	162	0-39	350*990
QY600-6.5-15/4P	15	20	600	6.5	380	33	1500	356	220	1-6.5	440*1320
QY80-50-18.5	18.5	25	80	50	380	40.4	3000	102	170	0-53	335*950
QY800-6-18.5/4P	18.5	25	800	6	380	40.4	1500	356	280	1-6	440*1285
QY15-200/10-18.5	18.5	25	15	200	380	40.4	3000	51	249	0-212	320*1490
QY25-135/3-18.5	18.5	25	25	135	380	40.4	3000	64	203	105-142	330*1225
QY65-69/3-18.5	18.5	25	65	69	380	40.4	3000	102	192	0-87	325*1125
QY160-28-18.5	18.5	25	160	28	380	40.4	3000	152	176	0-42	350*1030
QY250-18-18.5	18.5	25	250	18	380	40.4	3000	203	176	0-33	320*1115
QY65-84/3-22	22	30	65	84	380	48.1	3000	102	223	0-110	330*1270
QY200-26-22	22	30	200	26	380	48.1	3000	152	188	0-38	325*1145
QY25-180/4-22	22	30	25	180	380	48.1	3000	64	259	114-183	330*1335
QY40-114/3-22	22	30	40	114	380	48.1	3000	76	232	70-127	330*1295
QY800-7.5-22/4P	22	30	800	7.5	380	48.1	1500	356	295	1-7.5	440*1325

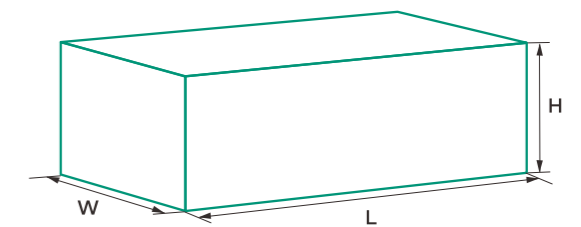
Product Structure



NO.	Part	NO.	Part	NO.	Part
1	Bolt	8	Hydro-cylinder	15	Base
2	Outlet	9	Waveform gasket	16	Base bolt
3	Pump head	10	O-ring	17	Cable
4	Impeller	11	Stator	18	Junction box
5	Stainless steel filter	12	O-ring	19	Terminal pad
6	Bearing	13	Motor housing	20	Clamp Spring
7	Rotor	14	O-ring	21	Rubber washer

Package Dimensions

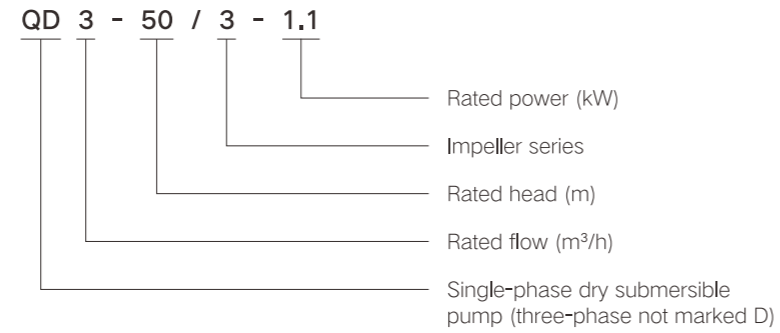
Model	L	W	H
	cm	cm	cm
QY15-26-2.2L	62.5	30	27.5
QY25-17-2.2L	62.5	30	27.5
QY65-7-2.2L	67	29	22.5
QY25-26-3L	65.5	30	27.5
QY65-10-3L	70	29	22.5
QY25-40-5.5L	75.5	32	30.5
QY65-18-5.5L	78.5	31.5	25.5



QD

Submersible Pump

Model Description



Application Range

- Due to the multi-stage impeller structure, this series of electric pumps has high lift and wide application. This series of products are suitable for farmland irrigation and drainage, garden sprinkler irrigation, water extraction from wells, water supply from water towers, water supply and drainage in aquaculture and other occasions.

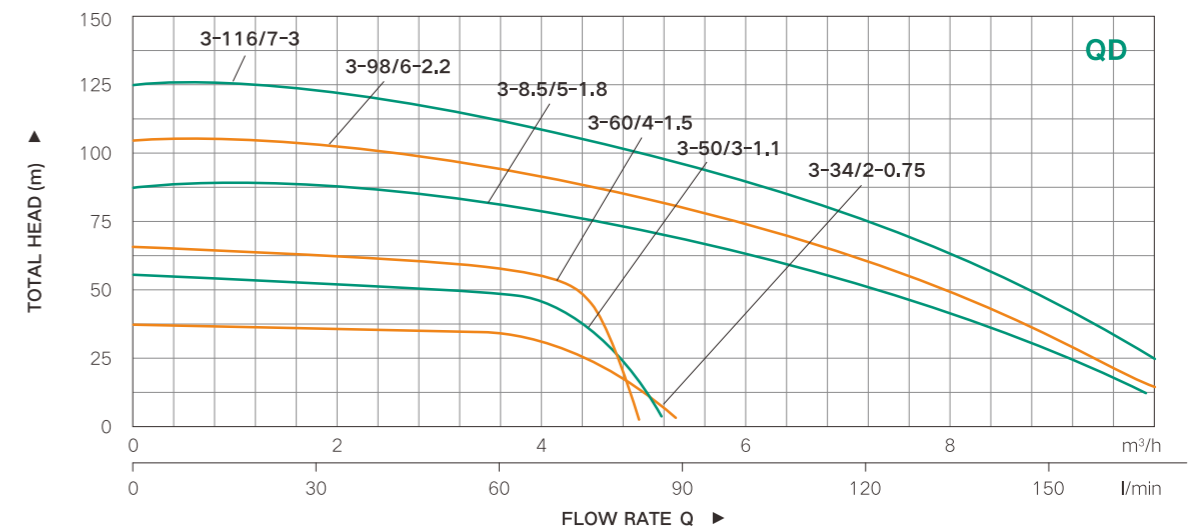
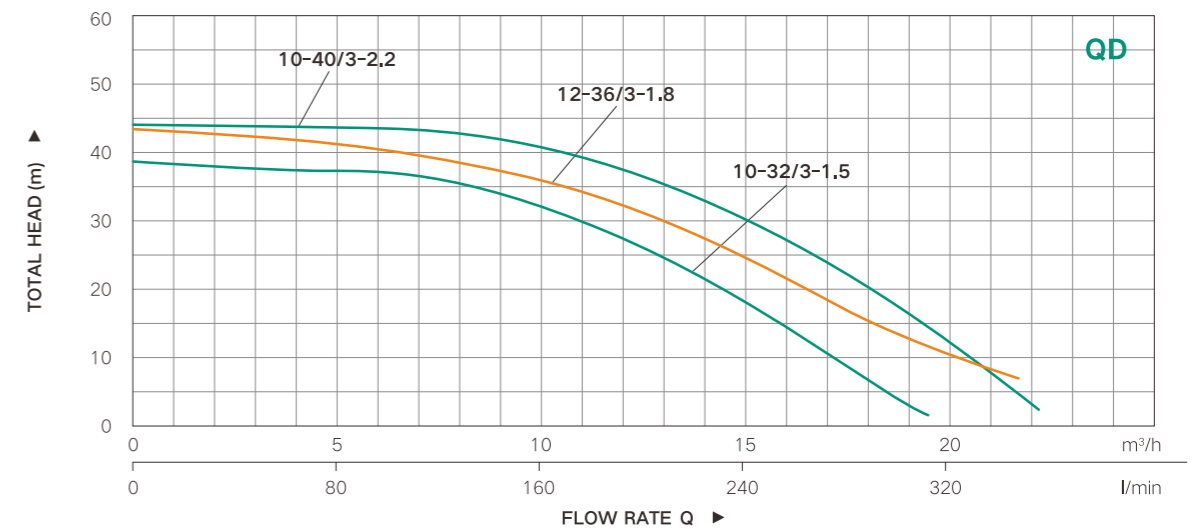
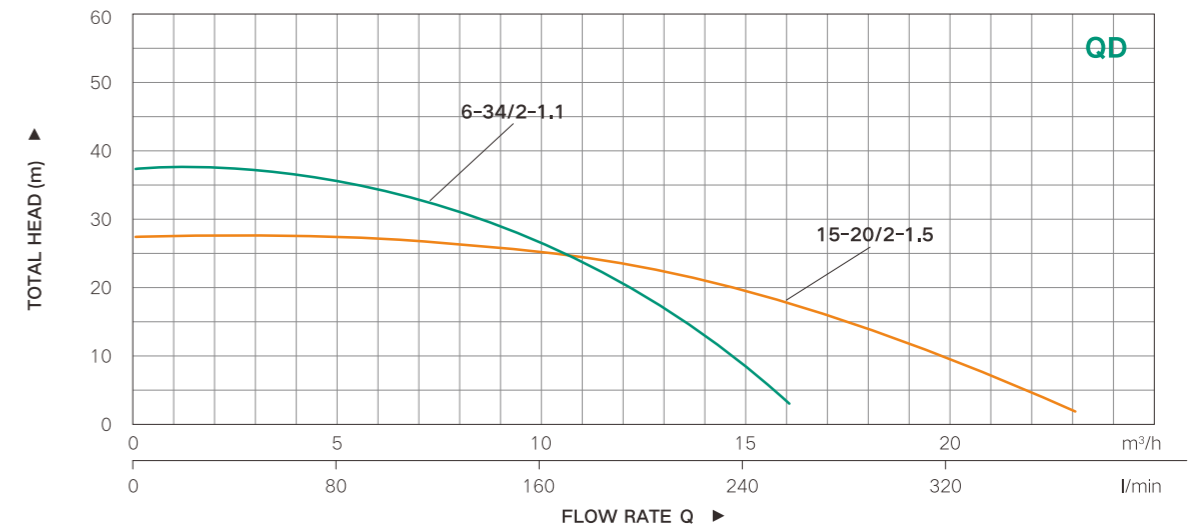
Working Conditions

- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- Maximum sand content is 0.1%. Passage of suspended solids up to 0.2mm
- Power frequency is 50Hz. Nominal voltage is 220VAC for single phase and 380VAC for three phase with the range from -10% to 10%
- Immersion depth from 0.5m-5m

Motor and Pump Body

- The water pump is located on the upper part of the pump, which is a centrifugal/mixed-flow/axial-flow structure; the motor is located at the lower part of the pump, which is an oil-filled three-phase asynchronous motor; the mechanical seal is used between the water pump and the motor. O-shaped oil-resistant rubber sealing ring is used for static sealing.
- Impeller: Cast Iron
- Mechanical seal: Carbon/Ceramic

Performance Curve

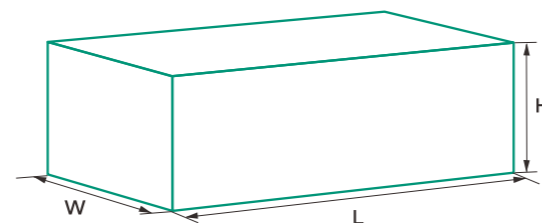


Performance Parameters

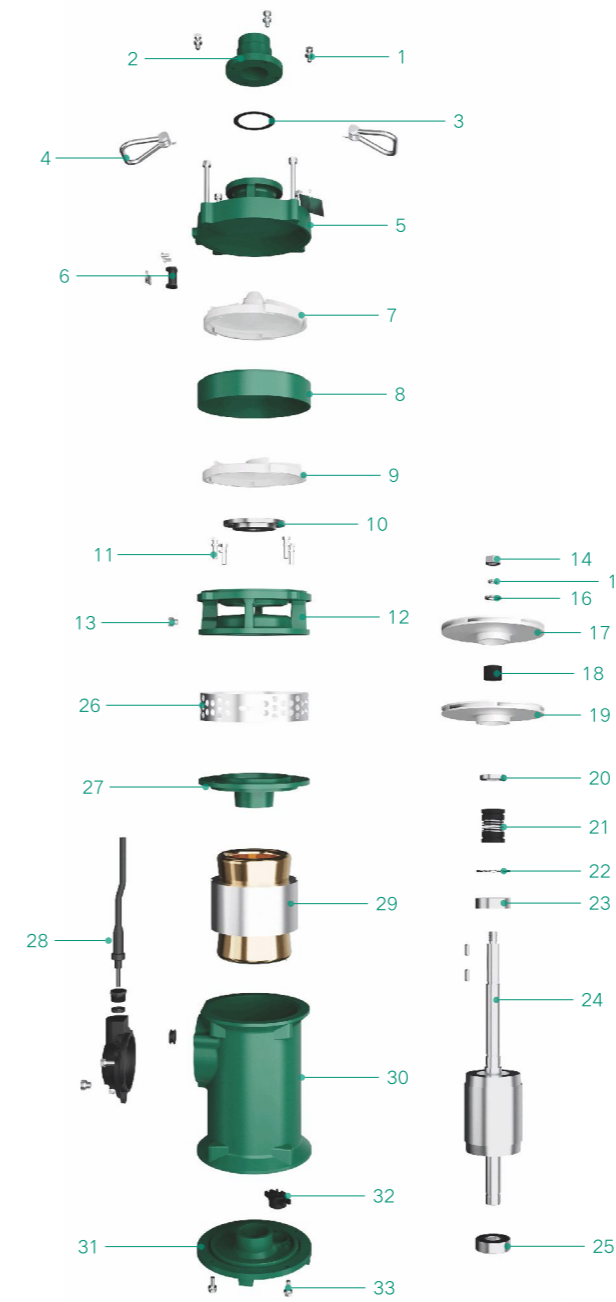
Model	Power		Rated flow	Rated head	Voltage	Current	Speed	Diameter	Scope of use	Size
	kW	HP	m ³ /h	m	V	A	r/min	mm	m	mm
QD3-34/2-0.75	0.75	1	3	34	220	5.2	3000	25	0-38	Φ192*499
QD3-50/3-1.1	1.1	1.5	3	50	220	7.3	3000	25	0-55	Φ192*530
QD6-34/2-1.1	1.1	1.5	6	34	220	7.3	3000	38	20-35	Φ200*464
QD3-60/4-1.5	1.5	2	3	60	220	9.5	3000	25	0-62	Φ192*605
QD10-32/3-1.5	1.5	2	10	32	220	9.5	3000	51	20-36	Φ200*573
QD15-20/2-1.5	1.5	2	15	20	220	9.5	3000	64	0-29	Φ200*513
QD3-85/5-1.8	1.8	2.5	3	85	220	11.4	3000	25	50-88	Φ195*694
QD12-36/3-1.8	1.8	2.5	12	36	220	11.4	3000	51	10-40	Φ200*625
QD3-98/6-2.2	2.2	3	3	98	220	13.8	3000	25	55-104	Φ195*765
QD10-40/3-2.2	2.2	3	10	40	220	13.8	3000	51	0-43	Φ200*665
Q3-34/2-0.75	0.75	1	3	34	380	2	3000	25	0-38	Φ192*474
Q3-50/3-1.1	1.1	1.5	3	50	380	2.7	3000	25	0-55	Φ192*525
Q6-34/2-1.1	1.1	1.5	6	34	380	2.7	3000	38	20-35	Φ200*467
Q3-60/4-1.5	1.5	2	3	60	380	3.6	3000	25	0-64	Φ192*555
Q10-32/3-1.5	1.5	2	10	32	380	3.6	3000	51	20-36	Φ199*524
Q15-20/2-1.5	1.5	2	15	20	380	3.6	3000	64	0-29	Φ200*462
Q3-85/5-1.8	1.8	2.5	3	85	380	4.3	3000	25	50-88	Φ195*640
Q12-36/3-1.8	1.8	2.5	12	36	380	4.3	3000	51	10-40	Φ200*570
Q3-98/6-2.2	2.2	3	3	98	380	5.1	3000	25	55-104	Φ195*670
Q10-40/3-2.2	2.2	3	10	40	380	5.1	3000	51	0-43	Φ200*570
Q3-116/7-3	3	4	3	116	380	6.7	3000	25	60-120	Φ195*740

Package Dimensions

Model	L	W	H
	cm	cm	cm
QD3-98/6-2.2	75	22	23
Q3-50/3-1.1	51.5	25	24
QD3-50/3-1.1	50	23	22.5
QD3-60/4-1.5	54.5	23	23.5
QD3-85/5-1.8	66	24	23



Product Structure



NO.	Part
1	Bolt
2	Outlet
3	Outlet leather washers
4	Handle
5	Pump cap
6	Cable protector
7	Lower diffuser
8	Pump body
9	Impeller
10	Impeller ring seat
11	Bolt
12	Connector
13	Bolt
14	Nut
15	Three layer washer
16	Flat washer
17	Impeller
18	Spacer
19	Impeller
20	Skeleton oil seal
21	Mechanical seal
22	Waved spring
23	Bearing
24	Rotor
25	Bearing
26	Filter
27	Oil chamber
28	Cable
29	Stator
30	Motor housing
31	Bottom cover
32	Thermal protector
33	Bolt

UT

Submersible Pump



UT120



UT180



UT250F

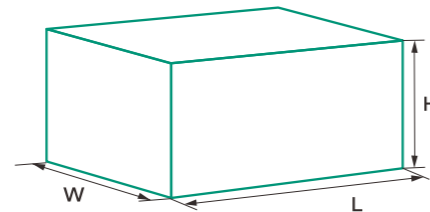
Advantages

- The whole body is made of engineering plastics with strong corrosion resistance
- Copper motor, Class F insulation
- The high-speed stamped stator and rotor can improve the efficiency of the motor

Working Conditions

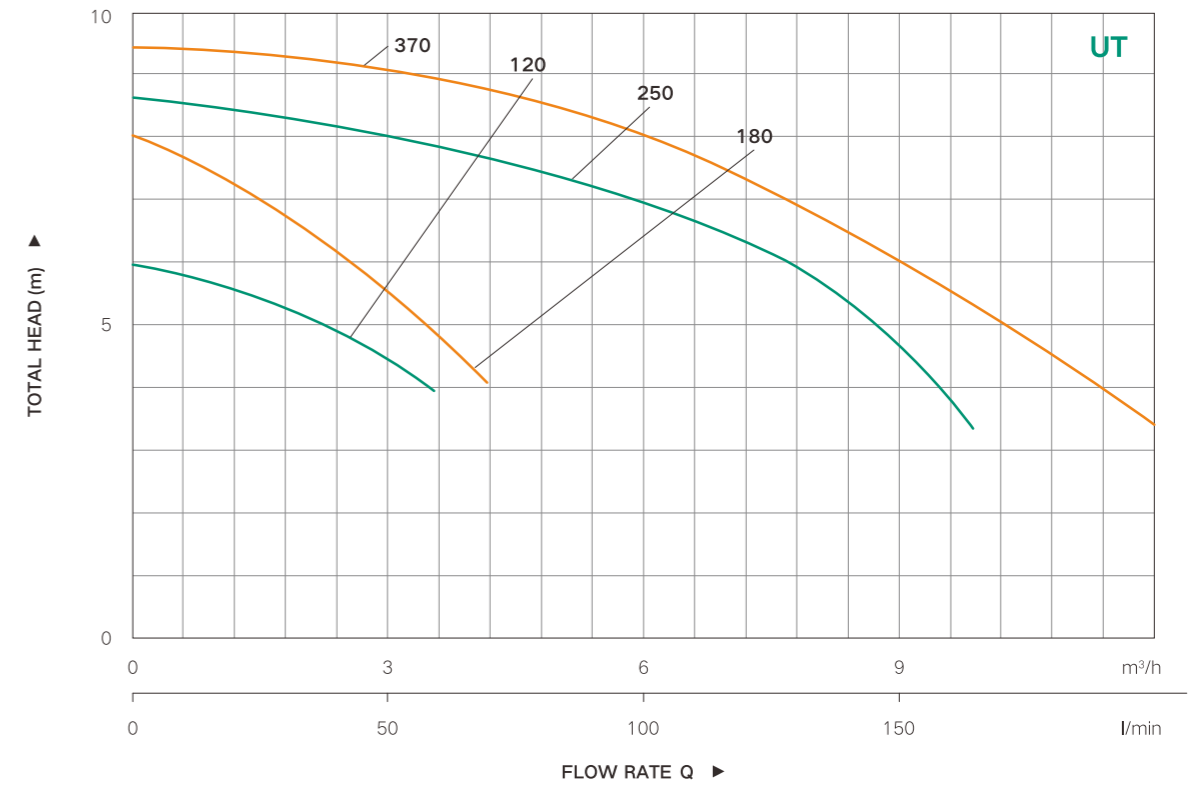
- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m

Package Dimensions



Model	L	W	H
	cm	cm	cm
UT180F	30	21	16
UT250F	29.2	24.1	23.4
UT370F	29.2	24.1	23.4
UT120F	28	19.5	16
UT180V	30	21	16
UT250V	29.2	24.1	23.4
UT370V	29.2	24.1	23.4
UT120V	28	19.5	16

Performance Curve



Performance Parameters

Model	Power		Outlet	Qmax	Hmax	Impeller	Q(m³/h)					
	kW	HP	In	m³/h	m		Q(l/min)	0	3	6	9	12
UT120	0.12	0.16	NPT1"	3.2	6	PC	H(m)	0	50	100	150	200
UT180	0.18	0.24	NPT1"	4	7	PC		6	4.5			

Model	Power		Voltage	Outlet	Impeller	Q(m³/h)														
	kW	HP		In		Q(l/min)	0	1	2	3	4	5	6	7	8	9	10	11	12	
UT250	0.25	0.33	115V 60Hz	NPT1.5"	PC	H(m)	6	5.6	5	4.8	4									
UT250V	0.25	0.33	115V 60Hz	NPT1.5"	PC		6	5.6	5	4.8	4									
UT250F	0.25	0.33	115V 60Hz	NPT1.5"	PC		6	5.6	5	4.8	4									
UT370	0.37	0.5	115V 60Hz	NPT1.5"	PC		7.5	7.3	7	6.8	6.5	6.3	6	5.5	5	4.5	4	3	1.8	
UT370V	0.37	0.5	115V 60Hz	NPT1.5"	PC		7.5	7.3	7	6.8	6.5	6.3	6	5.5	5	4.5	4	3	1.8	
UT370F	0.37	0.5	115V 60Hz	NPT1.5"	PC		7.5	7.3	7	6.8	6.5	6.3	6	5.5	5	4.5	4	3	1.8	

SWI/SW-V/ SW-F

Sewage Pump



SWI



SW-V



SW-F

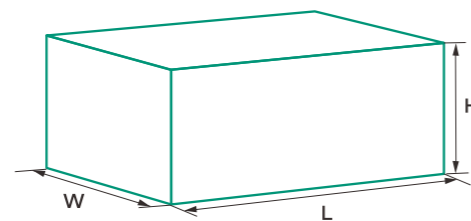
Advantages

- Copper motor, Class F insulation
- The castings are all electrophoretic, and the screws are all stainless steel
- CNC electroplated shaft with stronger corrosion resistance

Working Conditions

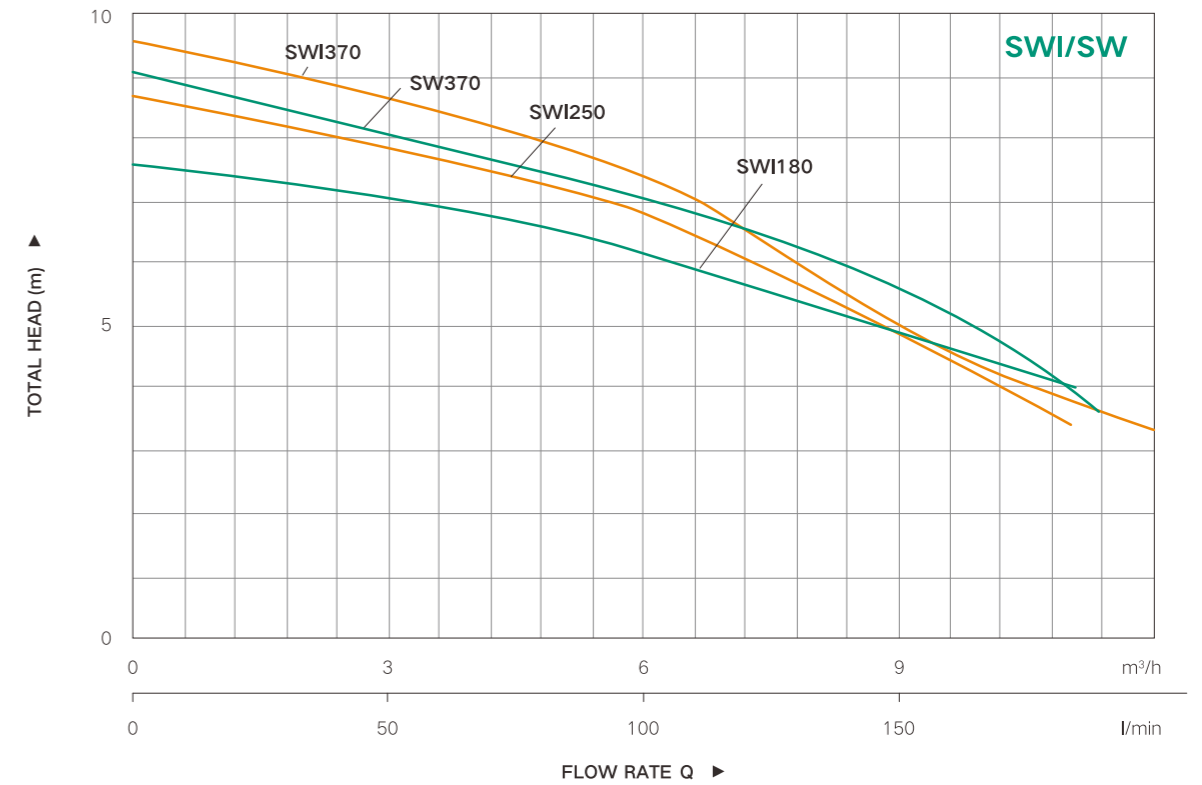
- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: 1.2x10³ kg/m³
- Immersion depth: 0.5m- 5m

Package Dimensions



Model	L	W	H
	cm	cm	cm
SWI180	33.5	25.5	24.5
SWI250	33.5	25.5	24.5
SWI250V	33.5	25.5	24.5
SWI370V	33.5	25.5	24.5

Performance Curve



Performance Parameters

Model	Power		Outlet In	Qmax m³/h	Hmax m	Impeller	H(m)				
	kW	HP					Q(m³/h)	0	3	6	9
SWI180	0.18	0.24	NPT1.5"	10	7.5	Iron	7.5	7	6	3	
SWI250	0.25	0.33	NPT1.5"	11	8.5	Iron	8.5	7.5	7	4.5	
SWI370	0.37	0.5	NPT1.5"	12	9.2	Iron	9.2	8	7.5	5	3.5
SW370	0.37	0.5	NPT1.5"	11.5	9	Iron	9	8	7	5.5	

SU-V/SU-F

Submersible Pump



SU-V



SU-F

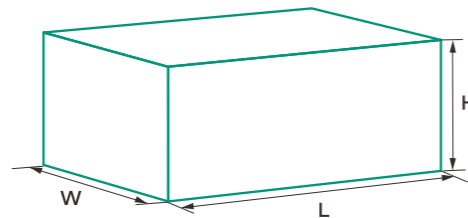
Advantages

- Copper motor, Class F insulation
- The high-speed stamped stator and rotor can improve the efficiency of the motor
- CNC electroplated shaft with stronger corrosion resistance

Working Conditions

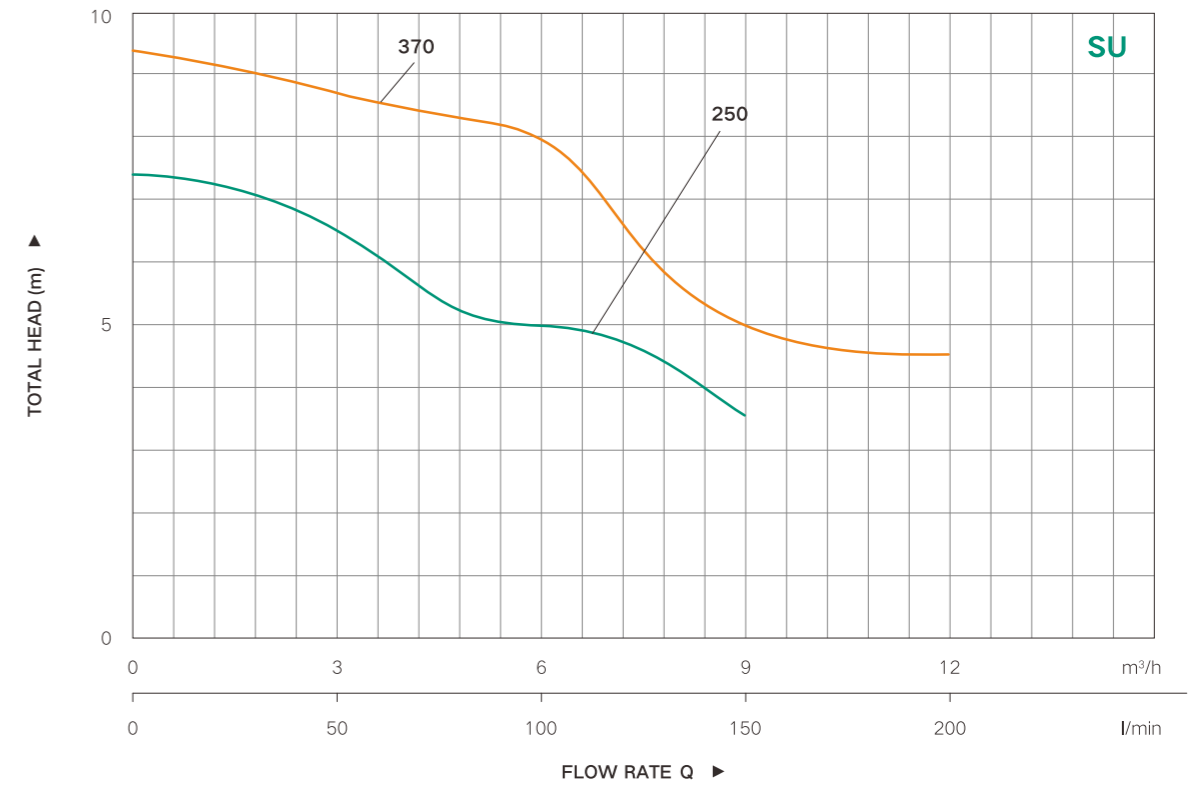
- The temperature of liquid: < +40°C
- The PH of liquid: 6.5-8.5
- The maximum concentration of medium: $1.2 \times 10^3 \text{ kg/m}^3$
- Immersion depth: 0.5m- 5m
- Maximum sand content is 0.1% , Passage of suspended solids up to 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
SU250F	33	22.5	17
SU250V	33	22.5	17
SU370F	33	22.5	17
SU370V	33	22.5	17

Performance Curve



Performance Parameters

Model	Power		Outlet	Qmax	Hmax	Impeller	Q(m³/h)					
	kW	HP	In	m³/h	m		Q(l/min)	0	3	6	9	12
SU250F	0.25	0.33	NPT1.5"	10	7.3	PC	H(m)	7.3	6.5	5	3.5	
SU250V	0.25	0.33	NPT1.5"	10	7.3			7.3	6.5	5	3.5	
SU370F	0.37	0.5	NPT1.5"	13.5	9.3	9.3		8.5	8	5	4.5	
SU370V	0.37	0.5	NPT1.5"	13.5	9.3	PC		9.3	8.5	8	5	4.5
								9.3	8.5	8	5	4.5

DSP/BW

Submersible Pump



DSP



BW

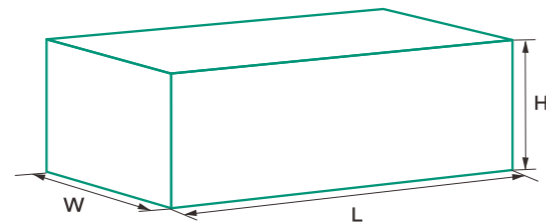
Advantages

- Iron castings are fully electrophoretic
- The welded shaft and bolt are made of stainless steel and are corrosion resistant
- The high-speed stamped stator and rotor can improve the efficiency of the motor

Working Conditions

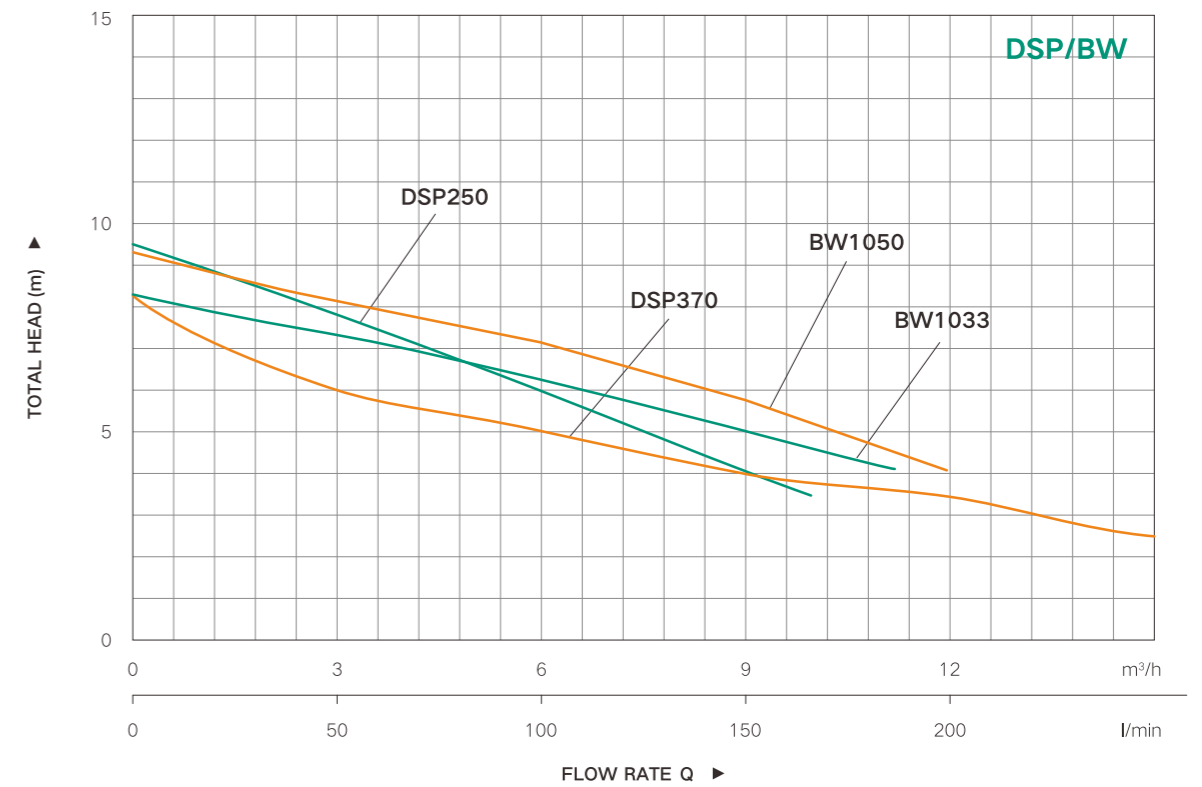
- The temperature of medium does not exceed +40°C
- The PH of the medium is between 6.5-8.5
- The maximum concentration of the medium is $1.2 \times 10^3 \text{ kg/m}^3$
- The diving depth is not less than 0.5m and not more than 5m
- Maximum sand content is 0.1%, passage of suspended solids up to 0.2mm

Package Dimensions



Model	L	W	H
	cm	cm	cm
DSP250	43.1	26	14.7
DSP370	47	28.1	18.6
BW1033	33	20	18
BW1050	35	20	18

Performance Curve



Performance Parameters

Model	Output Power		Voltage	Outlet In	Impeller	Q(m³/h)																			
	kW	HP				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
DSP250	0.25	0.33	115V 60Hz	NPT1.5"	PC	9.5	9	8	8	7.5	7	6	5.5	5	4	3.5									
DSP370	0.37	0.5	115V 60Hz	NPT2"	PC	8.2	8	7	6	6.5	6.2	6	5	4.5	4.2	4	3.8	3.5	3	2.8	2.5				

Model	Output Power		Voltage	Outlet In	Impeller	Q(m³/h)																		
	kW	HP				0	1	2	3	4	5	6	7	8	9	10	11	12						
BW1033	0.25	0.33	115V 60Hz	NPT1.5"	PC	8.2	8	7.8	7.5	7.3	7	6.5	6	5.5	5	4.5	4							
BW1050	0.37	0.5	115V 60Hz	NPT2"	PC	9.2	9	8.5	8.2	8.2	7.5	7	6.5	6	5.8	5.5	4.5	4						

WPS

Sewage Pump



WPS-S



WPS

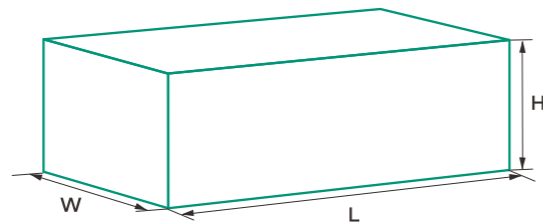
Advantages

- Iron castings are fully electrophoretic
- The welded shaft and bolt are made of stainless steel and are corrosion resistant
- The high-speed stamped stator and rotor can improve the efficiency of the motor

Working Conditions

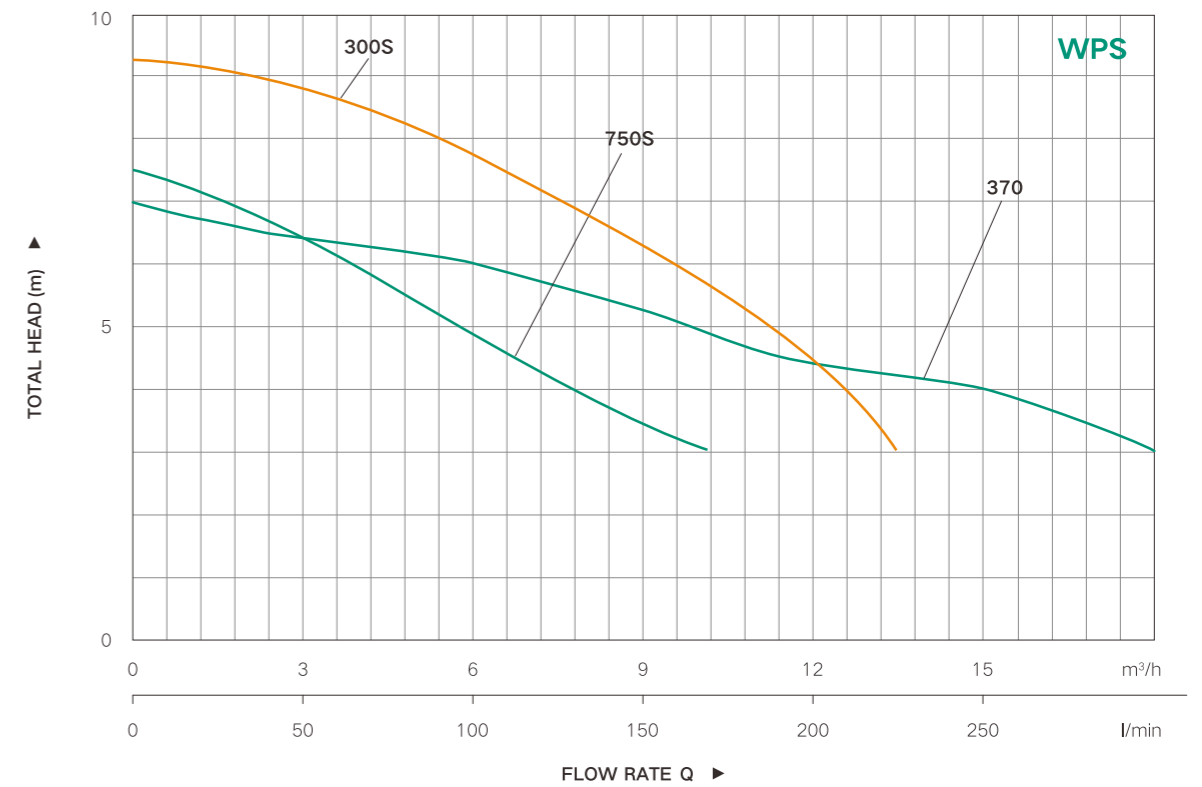
- Install and use 25cm from the bottom of the pool
- Avoid inhaling hard objects such as stones and screws
- After replacing the cutting device, pay attention to the control between the impeller and the cutting disc as early as 0.1-0.25mm
- When there is too little fluidity and too much slurry, it must be used after adding water

Package Dimensions



Model	L	W	H
	cm	cm	cm
WPS300S	51.5	29.6	17.6
WPS750S	53.5	29.6	17.6
WPS370	49.7	30.2	18.7

Performance Curve



Performance Parameters

Model	Power		Voltage	Max flow		Max head	Outlet
	kW	HP		l/min	m³/h	m	In
WPS300S	0.3	0.4	115V/60Hz	267	16	7	NPT 2"
WPS750S	0.75	1	115V/60Hz	333	20	9	NPT 2"

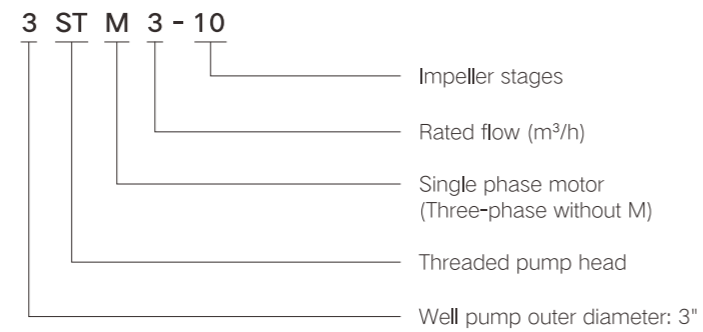
Model	Power		Voltage	Outlet	Q(m³/h)	Q(l/min)																	
	kW	HP				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
WPS370	0.37	0.5	115V 60Hz	NPT2"	H(m)	7	6.8	6.5	6.5	6.4	6.2	6	5.8	5.5	5.2	5	4.8	4.5	4.3	4.3	4	3.5	3

2/2.5/3STM

Deep Well Pump



Model Meaning



Application

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

Operating Conditions

- Maximum fluid temperature up to +35 °C
- Maximum sand content: 1%
- Maximum immersion: 100 m
- Minimum well diameter: 2"

Motor and Pump

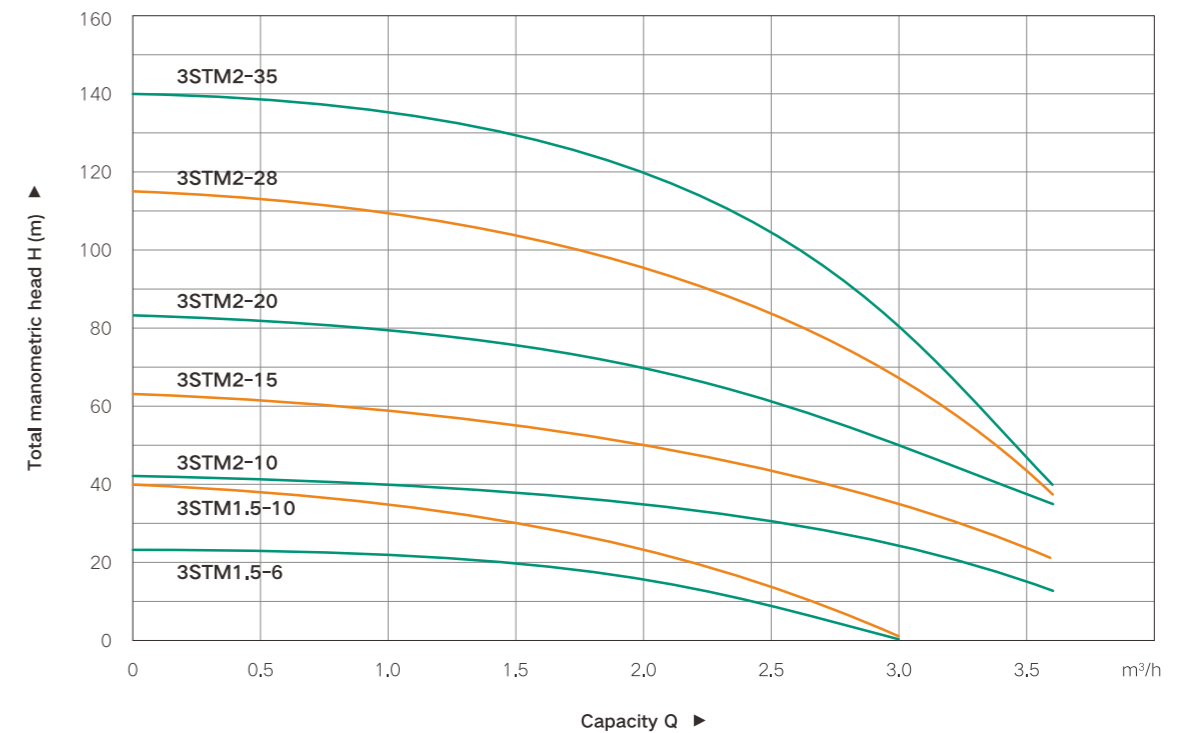
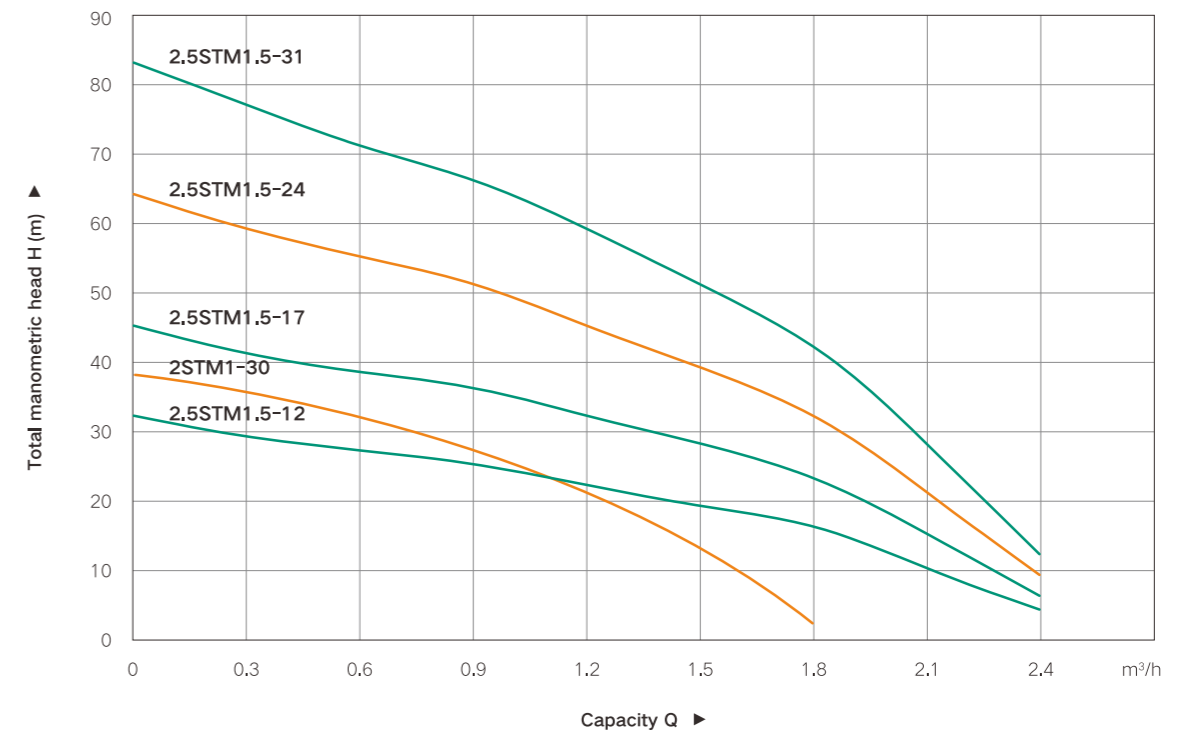
- Rewindable motor
- Single-phase: 170V ~ 240V/50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- NEMA dimension standards
- Curve tolerance according to ISO 9001

Warranty: 1 year

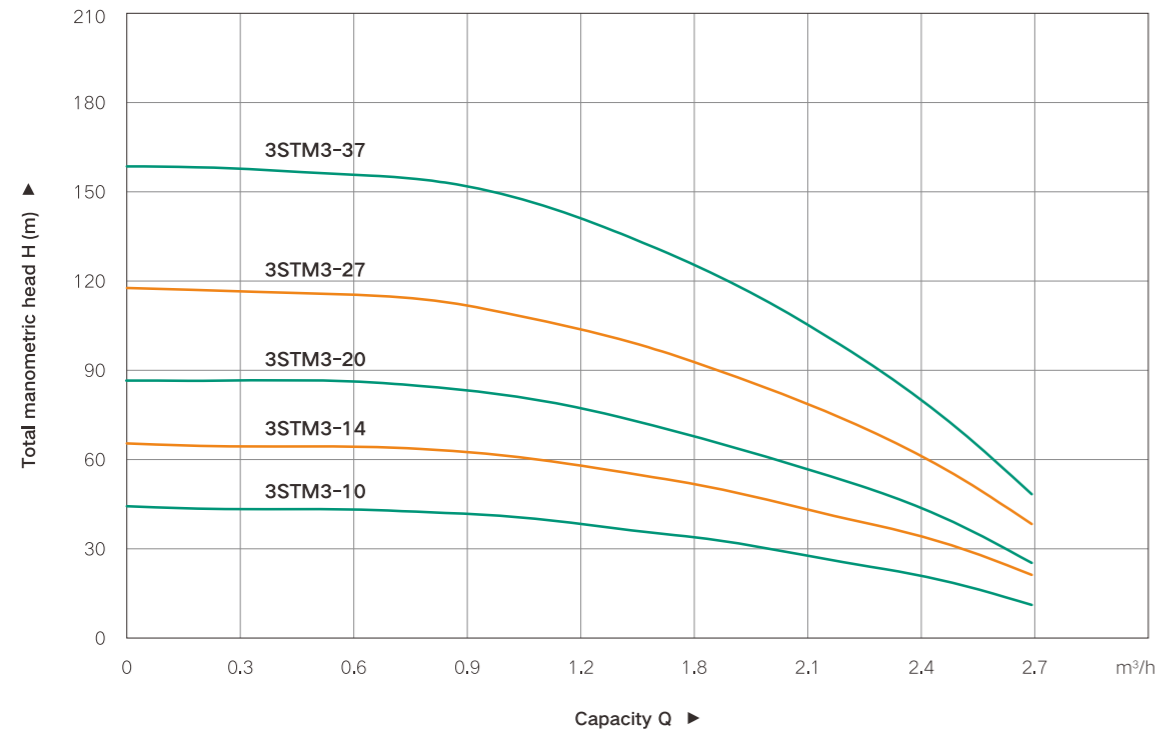
- (according to our general sales conditions)



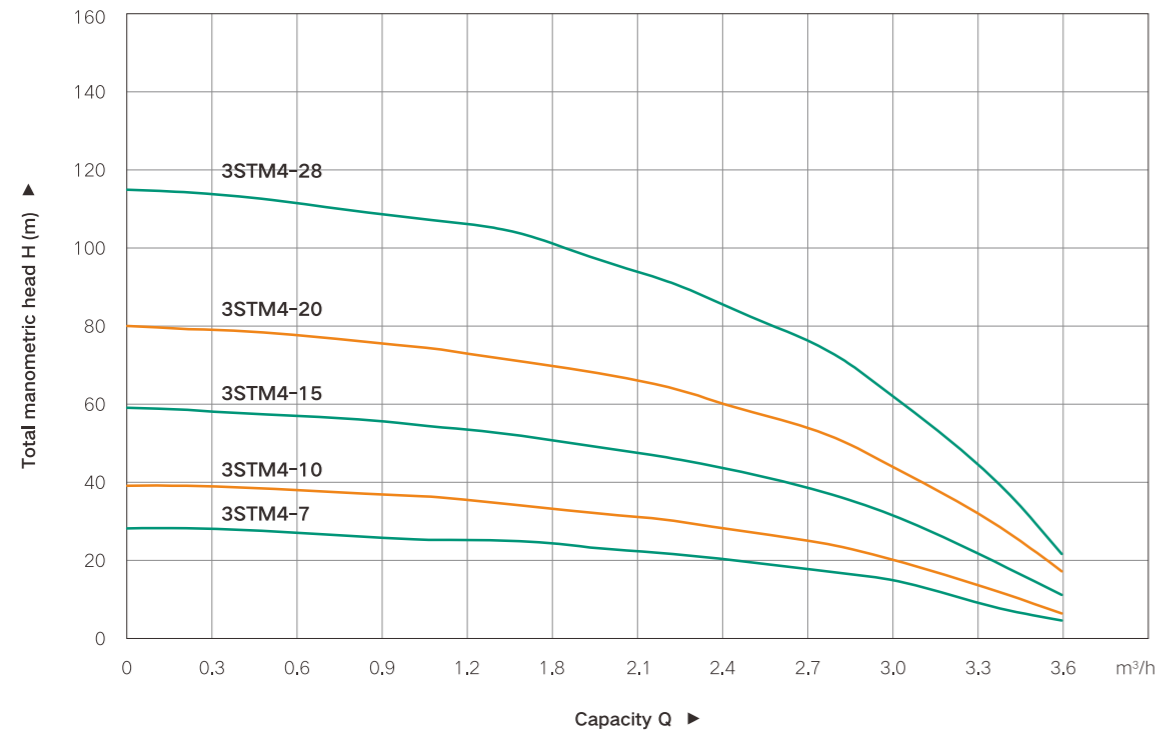
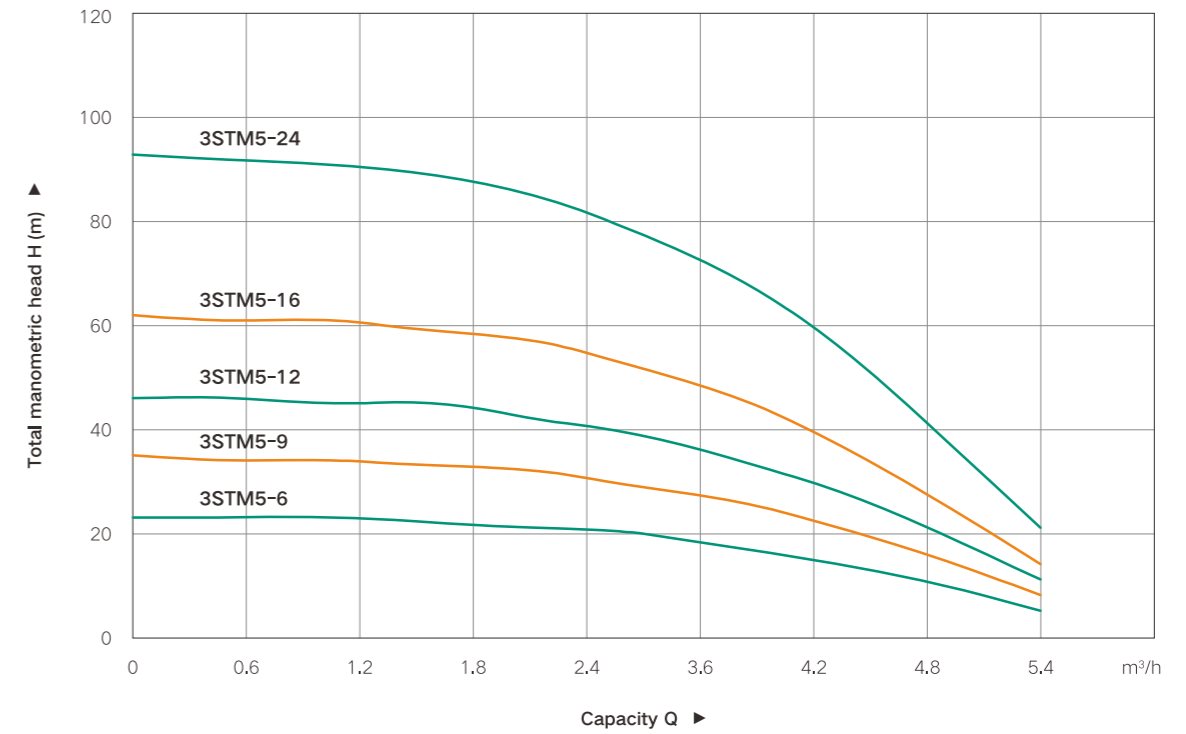
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model	Power		Outlet In	Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4
	kW	HP			0	5	10	15	20	25	30	35	40
2STM1-30	0.25	0.33	3/4"	H(m)	38	33.5	29.5	25	21	14	3	-	-
2.5STM1.5-12	0.18	0.25	1"		33	30	28	26	23	20	17	11	5
2.5STM1.5-17	0.25	0.33	1"		46	42	39	37	33	29	24	16	7
2.5STM1.5-24	0.37	0.5	1"		65	60	56	52	46	40	33	22	10
2.5STM1.5-31	0.55	0.75	1"		84	77	72	67	60	52	43	29	13

Model	Power		Outlet In	Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3	3.3	3.6
	kW	HP			0	5	10	15	20	25	30	35	40	50	55	60
3STM1.5-6	0.15	0.2	1"	H(m)	23	23	22	22	21	20	17	14	10	1	-	-
3STM1.5-10	0.25	0.33	1"		40	38	37	36	33	30	28	23	16	2	-	-
3STM2-10	0.37	0.5	1"		41	41	40	39	38	37	36	35	31	24	19	14
3STM2-15	0.55	0.75	1"		63	62	61	59	58	56	53	50	47	35	29	21
3STM2-20	0.75	1	1"		82	82	81	79	77	74	72	70	62	47	38	27
3STM2-28	1.1	1.5	1"		113	115	114	111	108	104	98	95	87	66	53	38
3STM2-35	1.5	2	1"		140	138	137	134	131	128	123	120	104	74	55	40

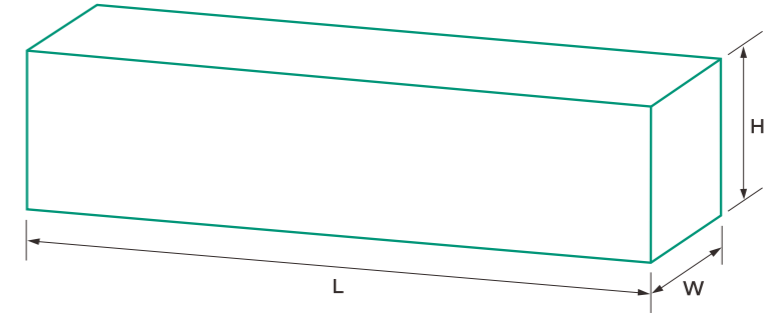
Model	Power		Outlet In	Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP			0	5	10	15	20	25	30	35	40	45
3STM3-10	0.25	0.33	1"	H(m)	42	41	41	40	38	36	30	24	18	9
3STM3-14	0.37	0.5	1"		60	59	58	57	55	50	44	36	33	16
3STM3-20	0.55	0.75	1"		85	84	83	82	78	71	60	52	40	21
3STM3-27	0.75	1	1"		115	114	114	112	107	99	88	75	59	38
3STM3-37	1.1	1.5	1"		155	154	151	149	142	130	115	96	73	44

Model	Power		Outlet In	Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6
	kW	HP			0	5	10	15	20	25	30	35	40	45	50	55	60
3STM4-7	0.25	0.33	1"	H(m)	28	27	26	26	25	24	22	21	19	16	13	8	4
3STM4-10	0.37	0.5	1"		39	38	38	37	36	34	32	31	27	24	19	13	7
3STM4-15	0.55	0.75	1"		59	58	57	56	54	52	49	46	42	37	30	22	12
3STM4-20	0.75	1	1"		80	79	78	76	74	71	68	64	58	52	42	31	17
3STM4-28	1.1	1.5	1"		115	113	112	109	106	102	97	91	82	73	59	43	22

Performance Parameters

Model	Power		Outlet In	Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
	kW	HP			0	10	20	30	40	50	60	70	80	90
3STM5-6	0.25	0.33	1.25"	H(m)	23	23	23	22	21	20	17	14	10	5
3STM5-9	0.37	0.5	1.25"		35	34	34	33	32	29	26	21	15	8
3STM5-12	0.55	0.75	1.25"		46	46	45	45	42	39	34	28	20	11
3STM5-16	0.75	1	1.25"		62	61	61	59	57	52	46	37	26	14
3STM5-24	1.1	1.5	1.25"		93	92	91	89	85	78	69	56	39	21

Package Dimensions



Model	W	H	L	Model	W	H	L
	mm	mm	mm		mm	mm	mm
2STM1-30	145	185	1315	3STM3-20-0.55	95	280	1115
2.5STM1.5-12	85	120	915	3STM3-27-0.75	95	280	1315
2.5STM1.5-17	85	120	1075	3STM3-37-1.1	95	280	1625
2.5STM1.5-24	85	120	1315	3STM4-7-0.25	95	280	705
2.5STM1.5-31	85	120	1500	3STM4-10-0.37	95	280	820
3STM1.5-20/6-0.15	110	130	720	3STM4-15-0.55	95	280	1010
3STM1.5-30/10-0.25	110	130	840	3STM4-20-0.75	95	280	1200
3STM2-35/10-0.37	110	130	850	3STM4-28-1.1	95	280	1505
3STM2-50/15-0.55	110	130	1030	3STM5-6-0.25	95	280	765
3STM2-70/20-0.75	110	130	1210	3STM5-9-0.37	95	280	865
3STM2-95/28-1.1	110	130	1530	3STM5-12-0.55	95	280	1000
3STM2-120/35-1.5	110	130	1750	3STM5-16-0.75	95	280	1135
3STM3-10-0.25	95	280	805	3STM5-24-1.1	95	280	1403
3STM3-14-0.37	95	280	930	-	-	-	-

3.5SEM

Oil-immersed Deep Well Pump

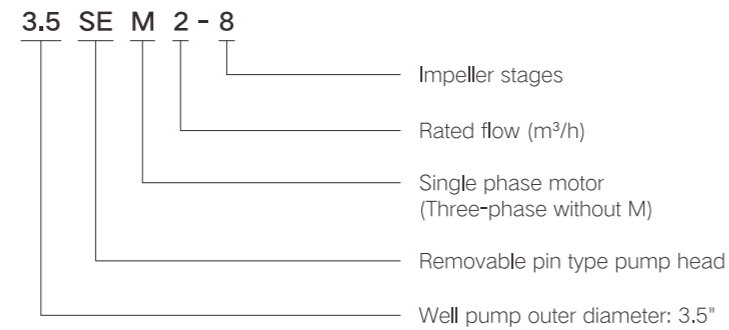


Stainless steel pump head for optional



Stainless steel connection for optional

Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

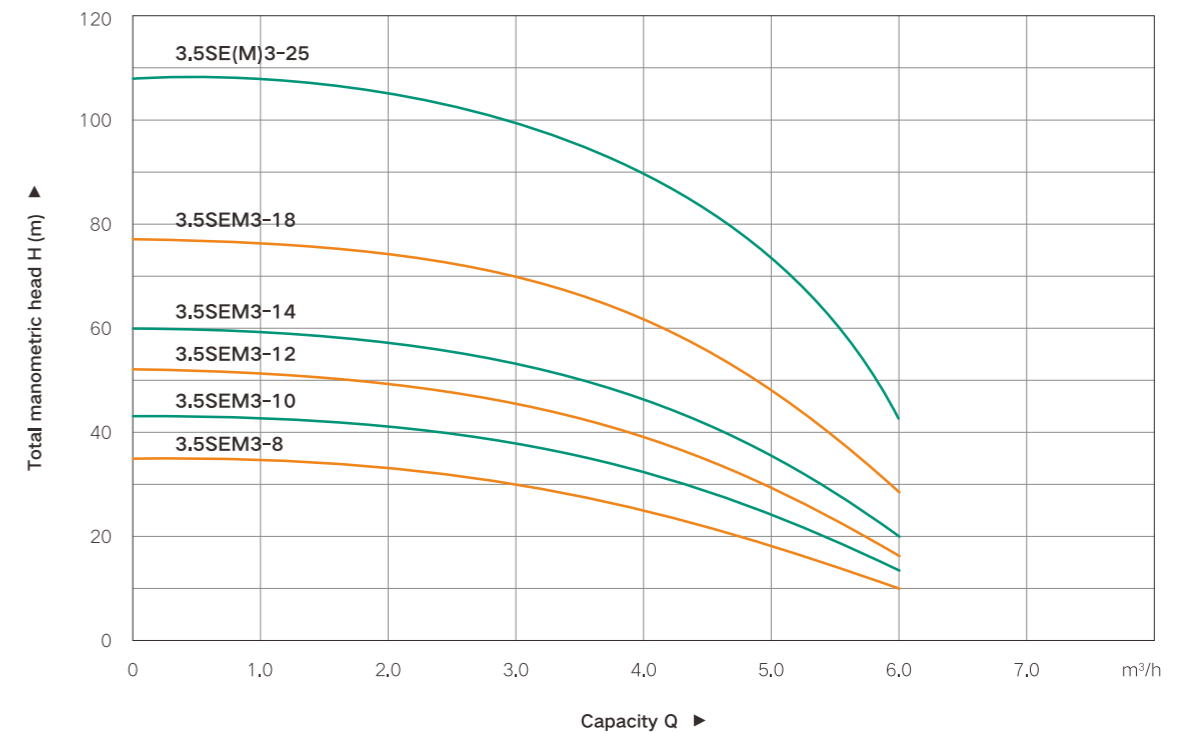
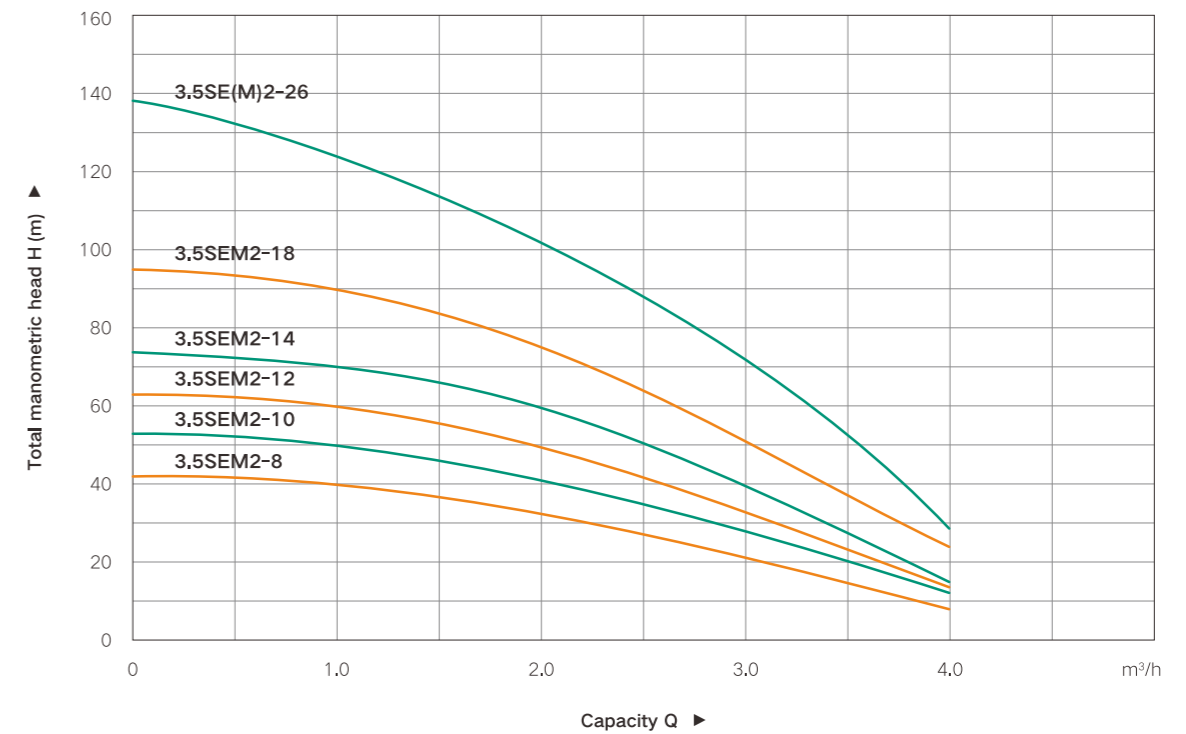
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

- Standard oil-immersed single-phase motor or three phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



Performance Curve



Performance Parameters

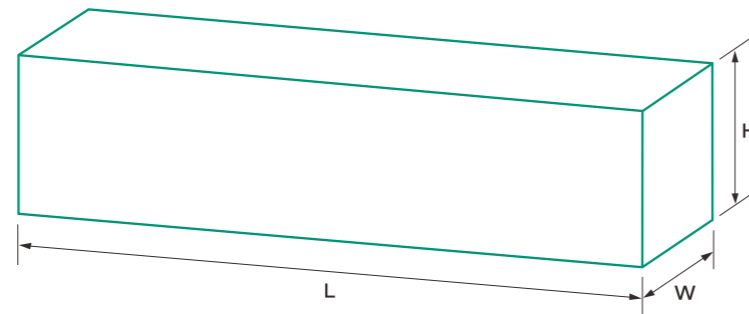
Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	1	1.5	2	3	4
Single-phase(220V)	Three-phase(380V)	kW	HP									
3.5SEM2-8	-	0.4	0.55	1"	3.5"	H(m)	42	40	38	32	23	8
3.5SEM2-10	-	0.6	0.8	1"	3.5"		53	50	47	40	29	12
3.5SEM2-12	-	0.8	1.1	1"	3.5"		63	60	56	48	34	14
3.5SEM2-14	-	0.9	1.25	1"	3.5"		74	70	66	56	40	15
3.5SEM2-18	-	1.1	1.5	1"	3.5"		95	90	85	72	51	24
3.5SEM2-26	3.5SE2-26	1.5	2	1"	3.5"		137	124	114	104	72	28

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	2	3	4	5	6
Single-phase(220V)	Three-phase(380V)	kW	HP									
3.5SEM3-8	-	0.4	0.55	1"	3.5"	H(m)	35	33	30	25	19	10
3.5SEM3-10	-	0.6	0.8	1"	3.5"		43	41	38	32	23	14
3.5SEM3-12	-	0.8	1.1	1"	3.5"		52	49	46	36	27	16
3.5SEM3-14	-	0.9	1.25	1"	3.5"		60	57	54	46	34	20
3.5SEM3-18	-	1.1	1.5	1"	3.5"		78	73	70	62	48	28
3.5SEM3-25	3.5SE3-25	1.5	2	1"	3.5"		108	104	100	85	63	42

※ Outer diameter size with wire clamp

Package Dimensions



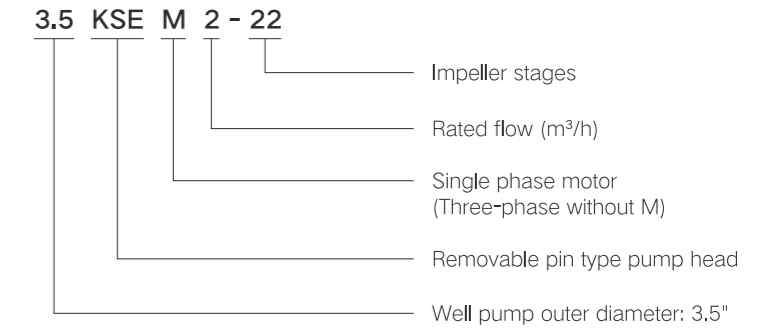
Model	W	H	L	G.W	Model	W	H	L	G.W
	mm	mm	mm	kg		mm	mm	mm	kg
3.5SEM2-8	126	165	765	12.98	3.5SEM3-8	126	165	877	13.45
3.5SEM2-10	126	165	827	13.61	3.5SEM3-10	126	165	967	14.3
3.5SEM2-12	126	165	894	14.62	3.5SEM3-12	126	165	1062	15.5
3.5SEM2-14	126	165	960	15.97	3.5SEM3-14	126	165	1157	16.99
3.5SEM2-18	126	165	1089	17.31	3.5SEM3-18	126	165	1341	18.53
3.5SE(M)2-26	126	165	1345	20.68	3.5SE(M)3-25	126	165	1670	22.21

3.5KSEM

Sand-resistant Oil-immersed Deep Well Pump



Model Meaning



Applications

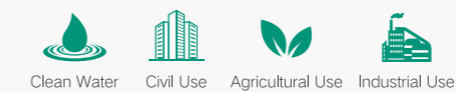
- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

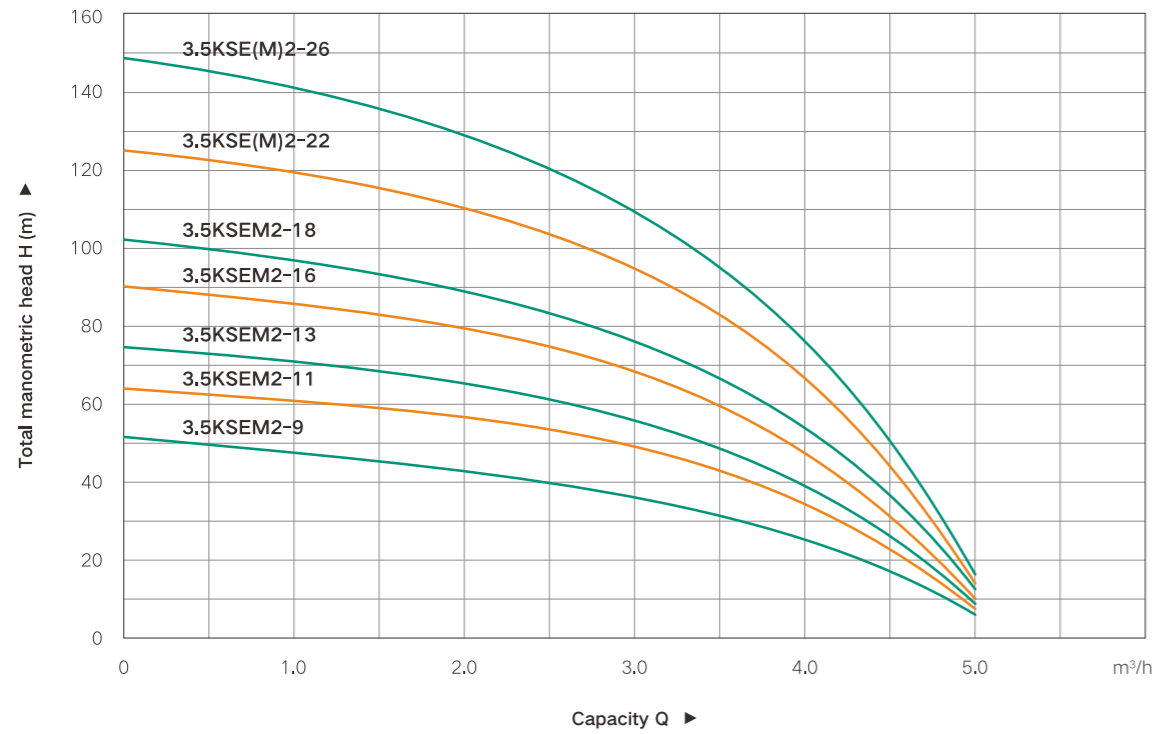
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

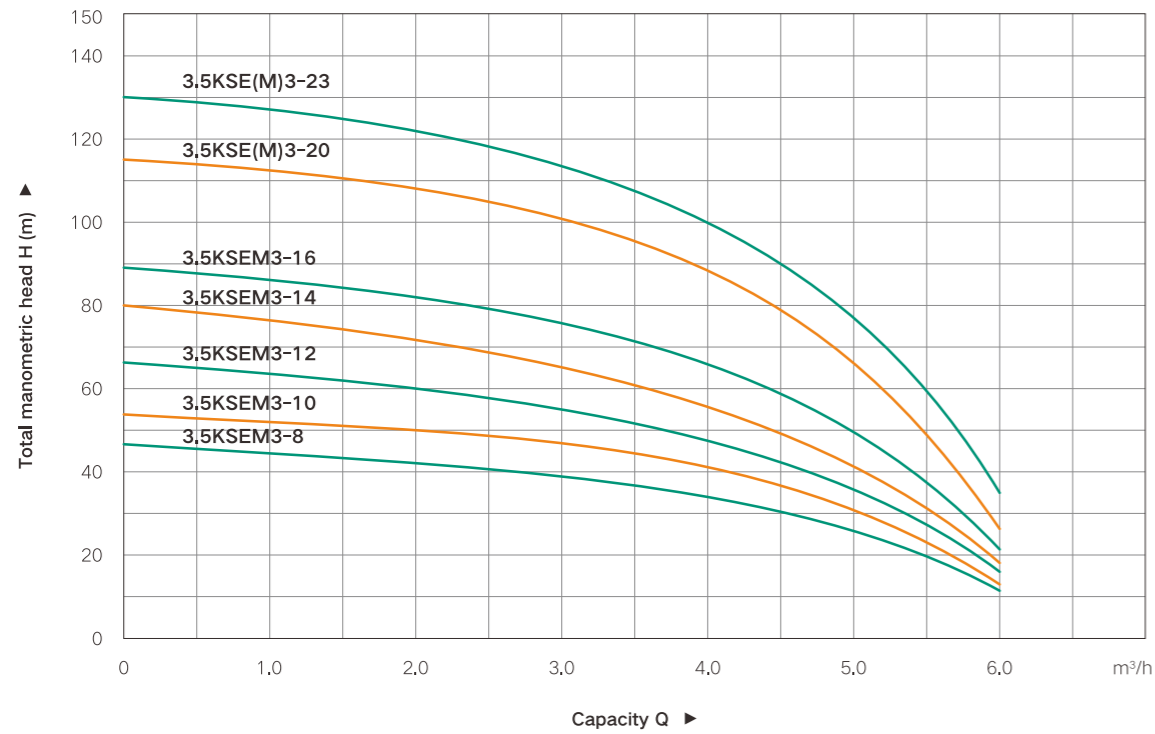
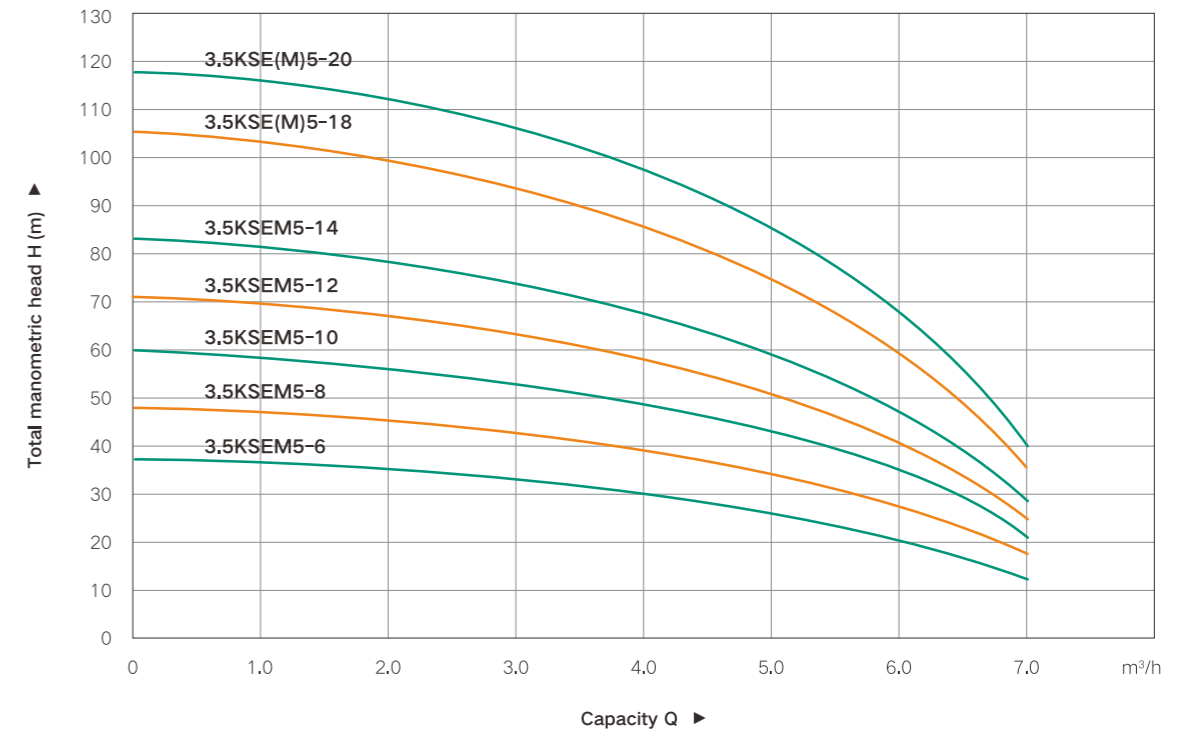
- Standard oil-immersed single-phase motor or three phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



Performance Curve



Performance Curve



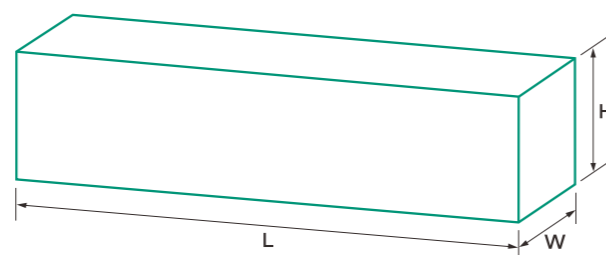
Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	3	4	5	6	7
3.5KSEM2-9	-	0.4	0.55	1"	3.5"	51	47	42	36	25	6			
3.5KSEM2-11	-	0.6	0.8	1"	3.5"	63	61	56	49	34	7			
3.5KSEM2-13	-	0.8	1.1	1"	3.5"	74	71	65	55	38	8			
3.5KSEM2-16	-	0.9	1.25	1"	3.5"	90	86	78	68	47	10			
3.5KSEM2-18	-	1.1	1.5	1"	3.5"	102	97	88	76	53	12			
3.5KSEM2-22	3.5KSE2-22	1.5	2	1"	3.5"	125	119	110	95	66	13			
3.5KSEM2-26	3.5KSE2-26	1.8	2.5	1"	3.5"	148	141	128	109	75	15			
3.5KSEM3-8	-	0.4	0.55	1.2"	3.5"	46	44	42	38	34	26	12		
3.5KSEM3-10	-	0.6	0.8	1.2"	3.5"	54	52	50	46	41	31	13		
3.5KSEM3-12	-	0.8	1.1	1.2"	3.5"	66	63	60	55	48	36	16		
3.5KSEM3-14	-	0.9	1.25	1.2"	3.5"	80	76	72	65	56	41	18		
3.5KSEM3-16	-	1.1	1.5	1.2"	3.5"	89	86	82	75	66	50	21		
3.5KSEM3-20	3.5KSE3-20	1.5	2	1.2"	3.5"	115	113	108	101	89	66	26		
3.5KSEM3-23	3.5KSE3-23	1.8	2.5	1.2"	3.5"	130	128	122	113	100	76	35		
3.5KSEM5-6	-	0.4	0.55	1.5"	3.5"	37	35	34	32	30	26	20	13	
3.5KSEM5-8	-	0.6	0.8	1.5"	3.5"	48	46	44	42	39	34	26	17	
3.5KSEM5-10	-	0.8	1.1	1.5"	3.5"	60	57	55	53	49	42	33	21	
3.5KSEM5-12	-	0.9	1.25	1.5"	3.5"	71	68	65	63	58	50	39	25	
3.5KSEM5-14	-	1.1	1.5	1.5"	3.5"	83	79	76	73	67	58	45	28	
3.5KSEM5-18	3.5KSE5-18	1.5	2	1.5"	3.5"	106	101	97	93	86	74	57	36	
3.5KSEM5-20	3.5KSE5-20	1.8	2.5	1.5"	3.5"	118	112	108	103	96	82	63	40	

※ Outer diameter size with wire clamp

Package Dimensions

Model	W	H	L	G.W
	mm	mm	mm	kg
3.5KSEM2-9	126	165	1004	13.38
3.5KSEM2-11	126	165	1060	14.09
3.5KSEM2-13	126	165	1131	15.2
3.5KSEM2-16	126	165	1230	16.71
3.5KSEM2-18	126	165	1311	17.773
3.5KSE(M)2-22	126	165	1472	20.56
3.5KSE(M)2-26	126	165	1667	23.5
3.5KSEM3-8	126	165	1008	13.49
3.5KSEM3-10	126	165	1085	14.22
3.5KSEM3-12	126	165	1167	15.39
3.5KSEM3-14	126	165	1249	16.83
3.5KSEM3-16	126	165	1341	17.79
3.5KSE(M)3-20	126	165	1524	20.54



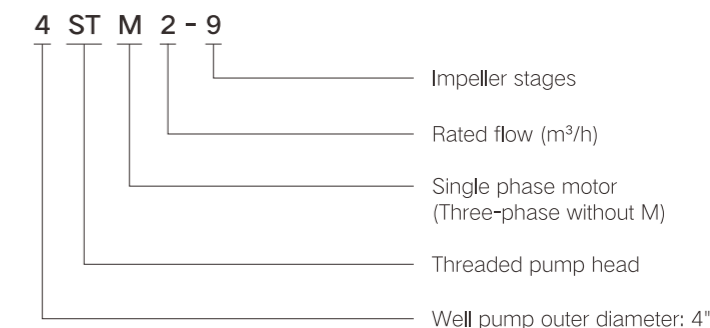
Model	W	H	L	G.W
	mm	mm	mm	kg
3.5KSE(M)3-23	126	165	1708	23.68
3.5KSEM5-6	126	165	900	13.2
3.5KSEM5-8	126	165	1000	14.2
3.5KSEM5-10	126	165	1120	15.4
3.5KSEM5-12	126	165	1240	17.1
3.5KSEM5-14	126	165	1360	18.3
3.5KSEM5-18	126	165	1480	20.5
3.5KSEM5-20	126	165	1600	23.5

4STM

Deep Well Pump



Model Meaning



Fields of Application

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

Pump Features

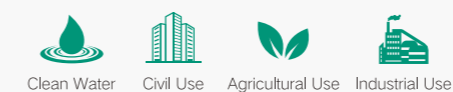
- Outlet: brass
- Impeller and diffusor, non-return valve: thermoplastic resin PPO

Accessories

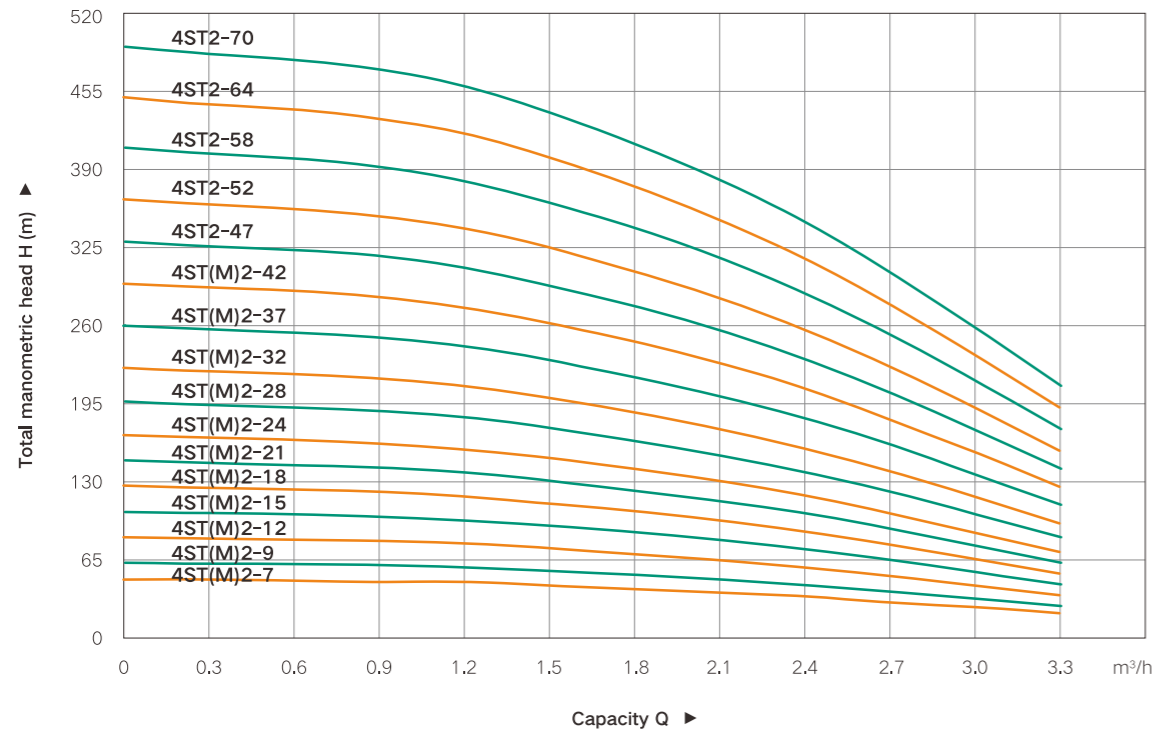
- Control switch
- Waterproof tape

Working Conditions

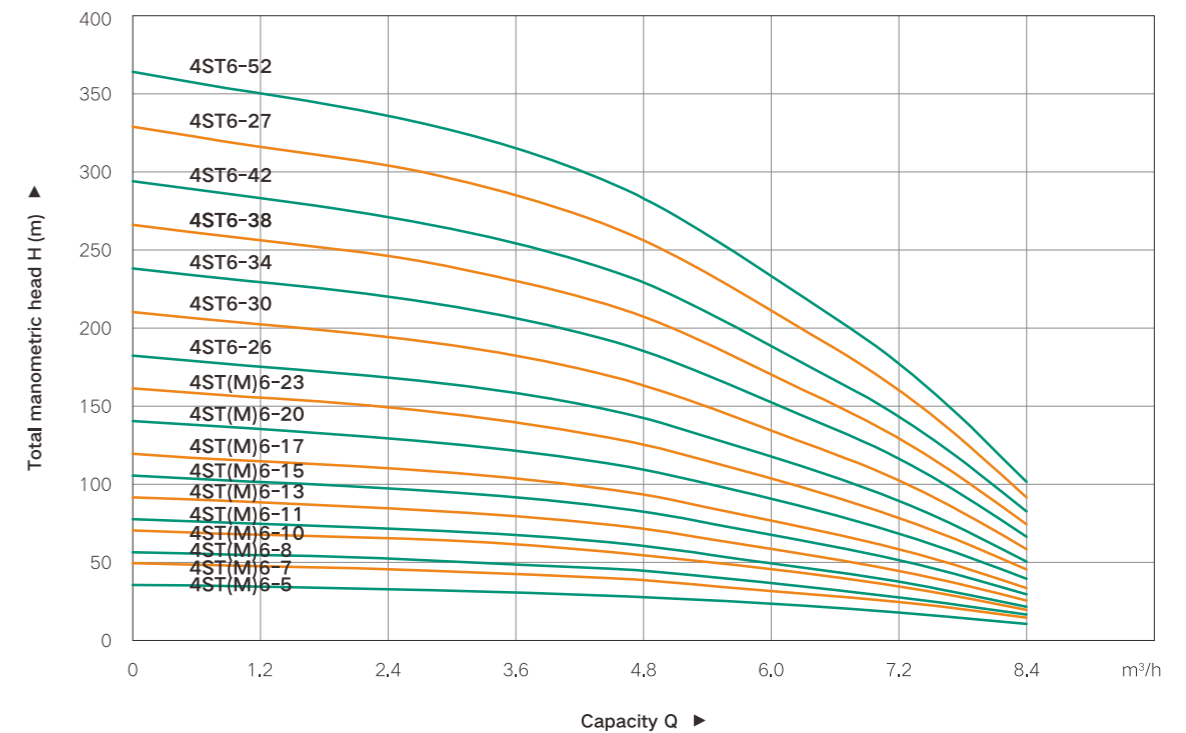
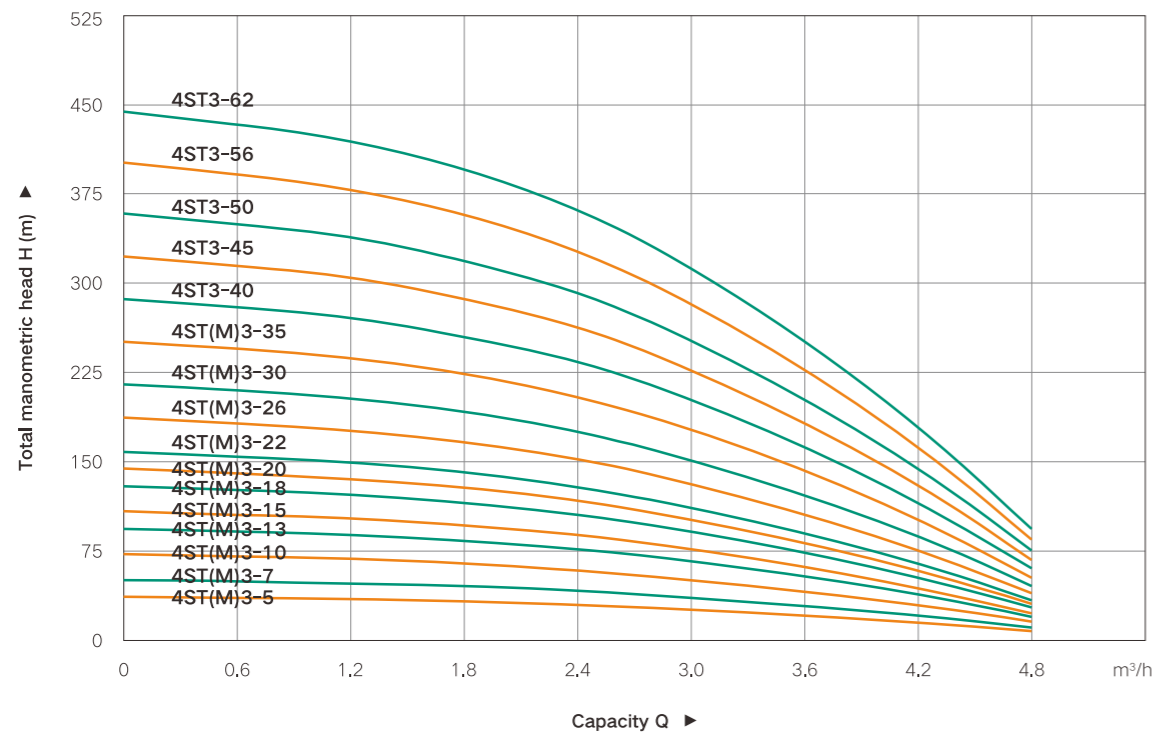
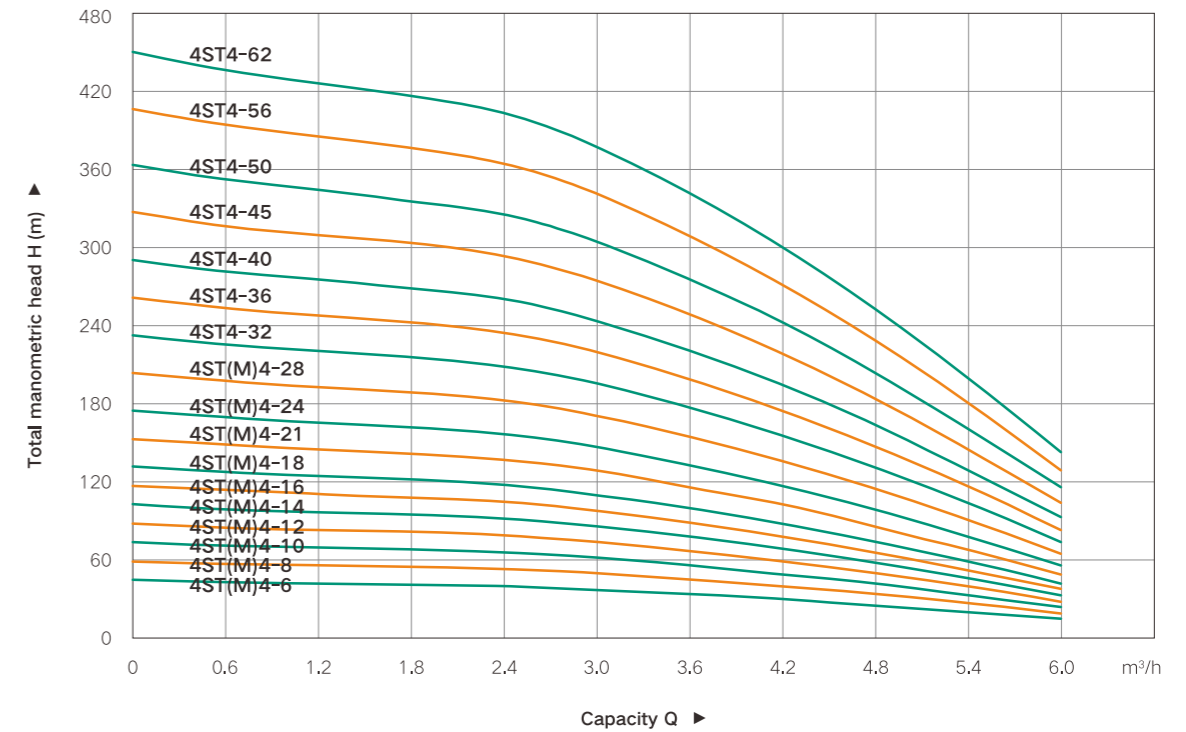
- Suitable fluids: Clean, free from solid or abrasive substances. Chemically neutral and close to the characteristics of water
- Speed range: 2900 rpm
- Fluid temperature range: 0°C ~ 40°C
- Max. Working pressure: 3.5 bar
- Ambient temperature permissible up to: 50°C
- Voltage range: Single phase: 170V ~ 240V/50Hz
Three phase: 350V ~ 415V/50Hz
- Protection class: IP68
- Insulation class: F



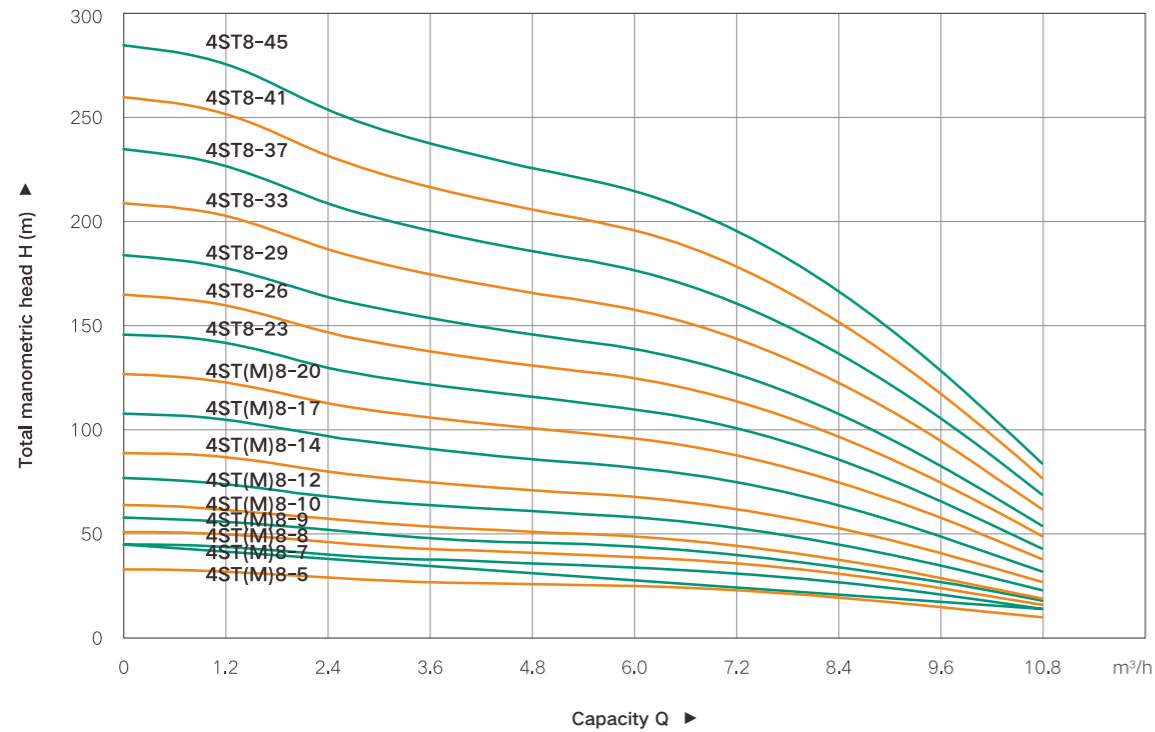
Performance Curve



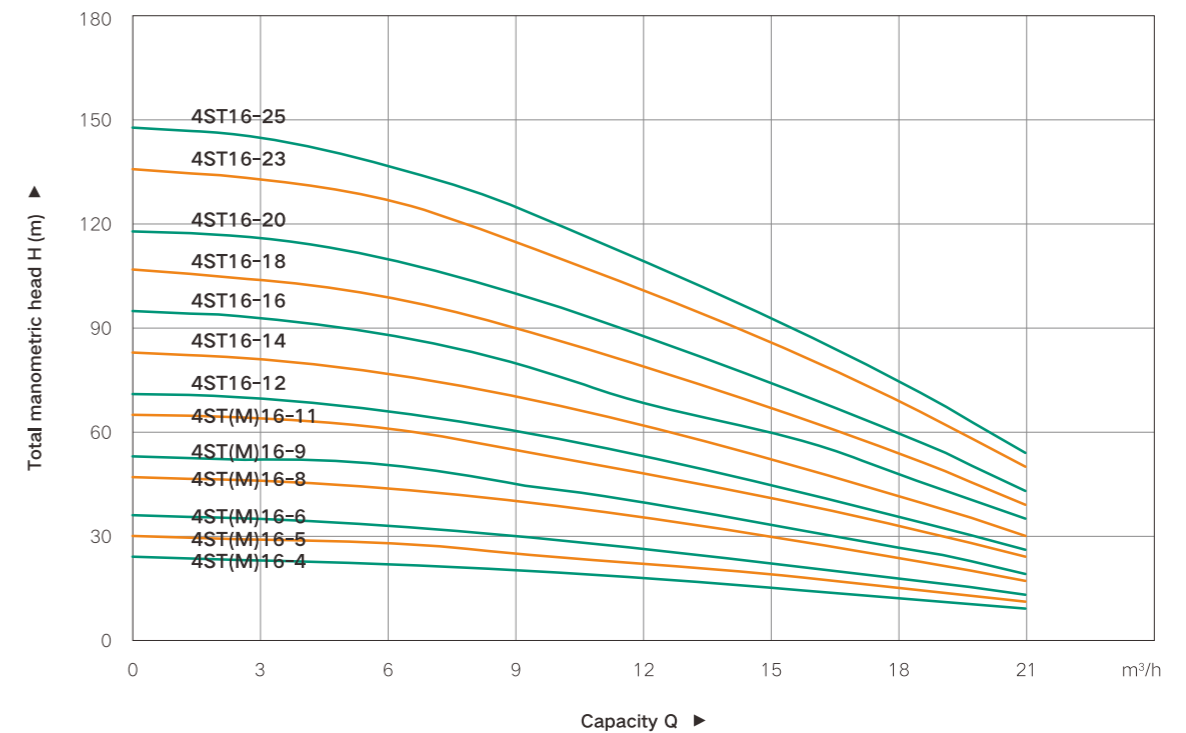
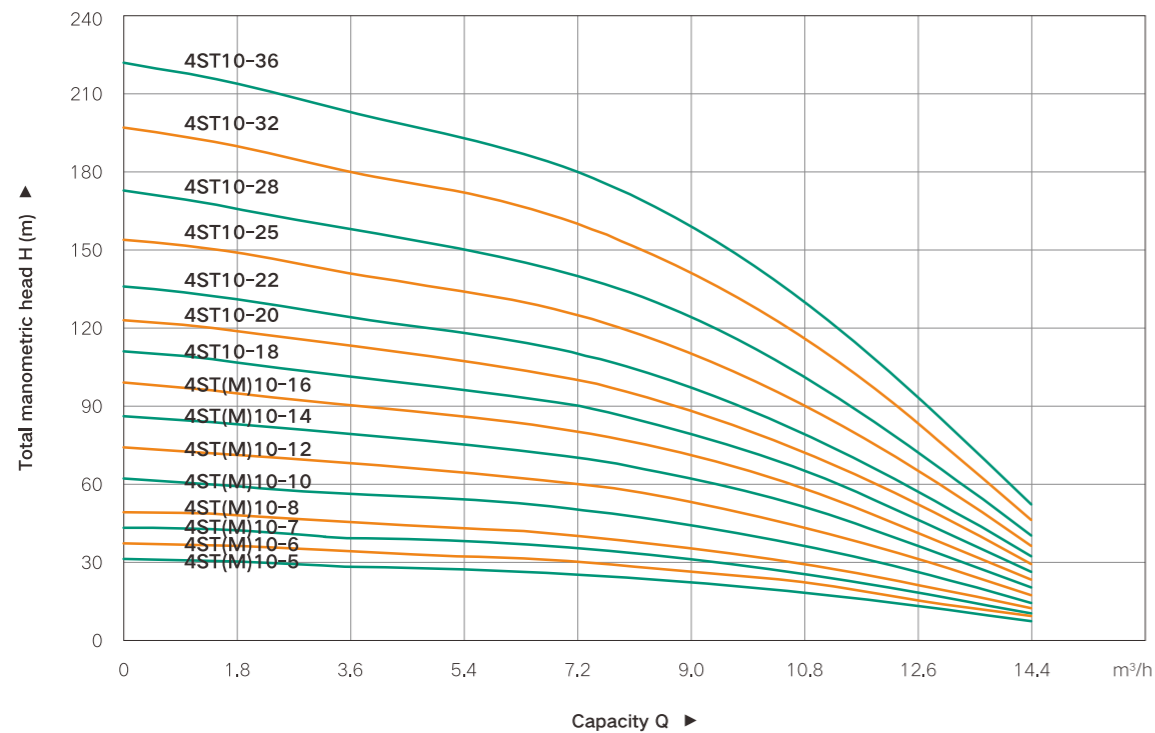
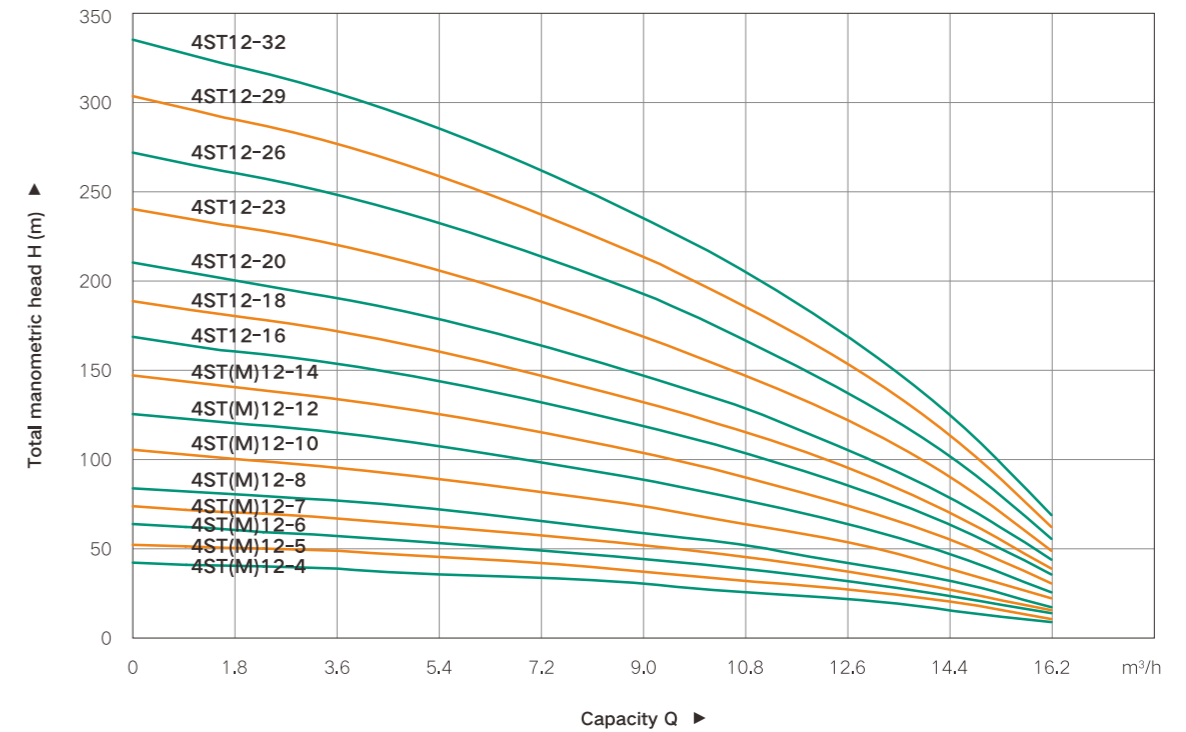
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model		Power		Outlet	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3
Single-phase	Three-phase	kW	HP	In		I/min	0	5	10	15	20	25	30	35	40	45	50
4STM2-7	4ST2-7	0.25	0.33	1.25"	H(m)	49	48	48	47	46	44	41	38	35	30	26	21
4STM2-9	4ST2-9	0.37	0.5	1.25"		63	52	62	61	59	56	53	49	44	39	33	27
4STM2-12	4ST2-12	0.55	0.75	1.25"		84	83	82	81	79	75	70	65	59	52	44	36
4STM2-15	4ST2-15	0.75	1	1.25"		105	104	103	101	98	94	88	82	74	65	55	45
4STM2-18	4ST2-18	0.9	1.25	1.25"		127	125	124	122	118	112	106	98	89	78	66	54
4STM2-21	4ST2-21	1.1	1.5	1.25"		148	146	144	142	138	131	123	114	104	91	77	63
4STM2-24	4ST2-24	1.3	1.75	1.25"		169	167	165	162	157	150	141	130	119	105	88	72
4STM2-28	4ST2-28	1.5	2	1.25"		197	194	192	189	184	175	164	152	138	122	103	84
4STM2-32	4ST2-32	1.8	2.5	1.25"		225	222	220	216	210	200	188	174	158	139	118	96
4STM2-37	4ST2-37	2.2	3	1.25"		260	257	254	250	243	231	217	200	183	161	135	111
4STM2-42	4ST2-42	2.6	3.5	1.25"		295	292	289	284	275	262	247	229	208	182	155	126
-	4ST2-47	3	4	1.25"		330	326	323	318	308	293	276	256	232	204	173	140
-	4ST2-52	3.7	5	1.25"		365	361	357	351	341	325	305	283	257	226	192	156
-	4ST2-58	4	5.5	1.25"		408	403	399	392	380	362	341	316	287	252	214	174
-	4ST2-64	5	7	1.25"		450	444	440	432	420	400	376	348	316	278	236	192
-	4ST2-70	5.5	7.5	1.25"		492	486	481	473	459	437	411	385	346	304	258	210

Model		Power		Outlet	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
Single-phase	Three-phase	kW	HP	In		I/min	0	10	20	30	40	50	60	70
4STM3-5	4ST3-5	0.25	0.33	1.25"	H(m)	36	35	34	32	29	25	20	14	7
4STM3-7	4ST3-7	0.37	0.5	1.25"		50	49	47	45	41	35	28	20	10
4STM3-10	4ST3-10	0.55	0.75	1.25"		72	70	68	64	58	50	40	29	15
4STM3-13	4ST3-13	0.75	1	1.25"		93	91	88	83	76	66	53	38	19
4STM3-15	4ST3-15	0.9	1.25	1.25"		108	105	102	96	88	76	61	43	22
4STM3-18	4ST3-18	1.1	1.5	1.25"		129	126	122	115	105	91	73	52	27
4STM3-20	4ST3-20	1.3	1.75	1.25"		144	140	135	128	117	101	81	64	33
4STM3-22	4ST3-22	1.5	2	1.25"		158	154	149	141	128	111	89	64	33
4STM3-26	4ST3-26	1.8	2.5	1.25"		187	182	176	166	152	131	105	75	39
4STM3-30	4ST3-30	2.2	3	1.25"		215	210	203	192	175	151	121	87	45
4STM3-35	4ST3-35	2.6	3.5	1.25"		251	245	237	224	204	177	142	101	52
-	4ST3-40	3	4	1.25"		287	280	271	255	234	202	162	115	60
-	4ST3-45	3.7	5	1.25"		323	315	305	287	263	227	182	130	67
-	4ST3-50	4	5.5	1.25"		359	350	339	319	292	252	202	114	75
-	4ST3-56	5	7	1.25"		402	392	379	358	327	283	227	162	84
-	4ST3-62	5.5	7.5	1.25"		445	434	420	396	362	313	251	179	93

Performance Parameters

Model		Power		Outlet	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
Single-phase	Three-phase	kW	HP	In		I/min	0	10	20	30	40	50	60	70	80	90
4STM4-6	4ST4-6	0.37	0.5	1.25"	H(m)	44	42	41	40	39	36	33	29	24	19	14
4STM4-8	4ST4-8	0.55	0.75	1.25"		58	56	55	54	52	49	44	39	33	26	18
4STM4-10	4ST4-10	0.75	1	1.25"		73	70	69	67	65	61	55	48	41	32	23
4STM4-12	4ST4-12	0.92	1.25	1.25"		87	84	82	81	78	73	66	58	49	39	27
4STM4-14	4ST4-14	1.1	1.5	1.25"		102	98	96	94	91	85	77	68	57	45	32
4STM4-16	4ST4-16	1.3	1.8	1.25"		116	113	110	107	104	97	88	77	65	51	37
4STM4-18	4ST4-18	1.5	2	1.25"		131	127	124	121	104	97	88	77	65	51	37
4STM4-21	4ST4-21	1.8	2.5	1.25"		152	148	144	141	136	128	115	102	85	67	48
4STM4-24	4ST4-24	2.2	3	1.25"		174	169	165	161	156	146	132	116	98	77	55
4STM4-28	4ST4-28	2.6	3.5	1.25"		203	197	192	188	182	170	154	135	114	90	64
-	4ST4-32	3	4	1.25"		232	225	220	215	208	195	176	155	130	103	73
-	4ST4-36	3.7	5	1.25"		261	253	247	242	234	219	198	174	146	116	82
-	4ST4-40	4	5.5	1.25"		290	281	275	268	260	243	220	194	163	128	92
-	4ST4-45	5	7	1.25"		327	316	309	302	293	274	248	218	183	144	103
-	4ST4-50	5.5	7.5	1.25"		363	352	344	335	325	304	275	242	203	160	115
-	4ST4-56	7	9.5	1.25"		406	394	385	376	364	341	308	271	228	180	128
-	4ST4-62	7.5	10	1.25"		450	436	426	416	403	377	341	300	252	199	142

Model		Power		Outlet	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
Single-phase	Three-phase	kW	HP	In		I/min	0	20	40	60	80	100	120
4STM6-5	4ST6-5	0.37	0.5	1.5"	H(m)	35	34	32	30	27	23	17	10
4STM6-7	4ST6-7	0.55	0.75	1.5"		49	47	45	42	38	31	24	14
4STM6-8	4ST6-8	0.75	1	1.5"		56	54	52	48	44	36	27	16
4STM6-10	4ST6-10	0.92	1.25	1.5"		70	67	65	61	54	45	34	19
4STM6-11	4ST6-11	1.1	1.5	1.5"		77	74	71	67	60	49	37	21
4STM6-13	4ST6-13	1.3	1.75	1.5"		91	88	84	79	71	58	44	25
4STM6-15	4ST6-15	1.5	2	1.5"		105	101	97	91	82	67	51	29
4STM6-17	4ST6-17	1.8	2.5	1.5"		119	114	110	103	93	76	58	33
4STM6-20	4ST6-20	2.2	3	1.5"		140	135	128	121	109	90	68	39
4STM6-23	4ST6-23	2.6	3.5	1.5"		161	155	149	139	125	103	78	45
-	4ST6-26	3	4	1.5"		182	175	168	158	142	117	89	50
-	4ST6-30	3.7	5	1.5"		210	202	194	182	163	134	102	58
-	4ST6-34	4	5.5	1.5"		238	229	220	206	185	152	116	66
-	4ST6-38	5	7	1.5"		266	256	246	230	207	170	129	74
-	4ST6-42	5.5	7.5	1.5"		294	283	271	254	229	188	143	82
-	4ST6-47	7	9.5	1.5"		329	316	304	285	256	211	160	91
-	4ST6-52	7.5	10	1.5"		364	350	336	315	283	233	177	101



Performance Parameters

Model		Power		Outlet	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
Single-phase	Three-phase	kW	HP	In	l/min	0	20	40	60	80	100	120	140	160	180
4STM8-5	4ST8-5	0.55	0.75	2"	H(m)	32	31	28	26	25	24	22	18	14	9
4STM8-7	4ST8-7	0.75	1	2"		44	43	39	37	35	33	30	26	20	13
4STM8-8	4ST8-8	0.92	1.25	2"		50	49	45	42	40	38	35	30	23	15
4STM8-9	4ST8-9	1.1	1.5	2"		57	55	51	47	45	43	39	33	26	17
4STM8-10	4ST8-10	1.3	1.75	2"		63	61	56	53	50	48	43	37	28	18
4STM8-12	4ST8-12	1.5	2	2"		76	73	67	63	60	57	52	44	34	22
4STM8-14	4ST8-14	1.8	2.5	2"		88	86	79	74	70	67	61	52	40	26
4STM8-17	4ST8-17	2.2	3	2"		107	104	96	90	85	81	74	63	48	31
4STM8-20	4ST8-20	2.6	3.5	2"		126	122	112	105	100	95	87	74	57	37
-	4ST8-23	3	4	2"		145	141	129	121	115	109	100	85	65	42
-	4ST8-26	3.7	5	2"		164	159	146	137	130	124	113	96	74	48
-	4ST8-29	4	5.5	2"		183	177	163	153	145	138	126	107	82	53
-	4ST8-33	5	7	2"		208	202	186	174	165	157	143	122	94	61
-	4ST8-37	5.5	7.5	2"		234	226	208	195	185	176	160	136	105	68
-	4ST8-41	7	9.5	2"		259	251	231	216	205	195	178	151	117	76
-	4ST8-45	7.5	10	2"		284	275	253	237	225	214	195	166	128	83

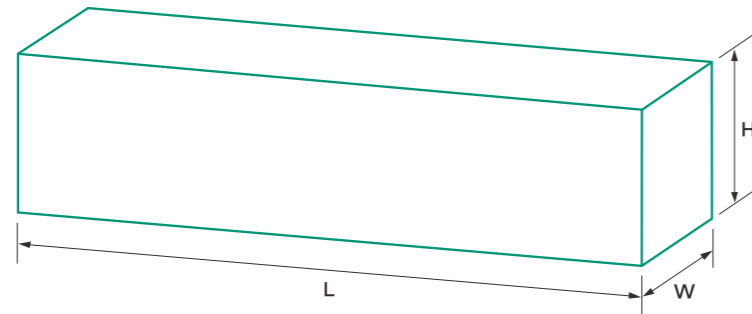
Model		Power		Outlet	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
Single-phase	Three-phase	kW	HP	In	l/min	0	30	60	90	120	150	180	210	240
4STM10-5	4ST10-5	0.75	1	2"	H(m)	31	30	28	27	25	22	18	13	7
4STM10-6	4ST10-6	0.92	1.25	2"		37	36	34	32	30	26	22	15	9
4STM10-7	4ST10-7	1.1	1.5	2"		43	42	39	38	35	31	25	18	10
4STM10-8	4ST10-8	1.3	1.75	2"		49	48	45	43	40	35	29	21	12
4STM10-10	4ST10-10	1.5	2	2"		62	59	56	54	50	44	36	26	14
4STM10-12	4ST10-12	1.8	2.5	2"		74	71	68	64	60	53	43	31	17
4STM10-14	4ST10-14	2.2	3	2"		86	83	79	75	70	62	51	36	20
4STM10-16	4ST10-16	2.6	3.5	2"		99	95	92	86	80	71	58	41	23
-	4ST10-18	3	4	2"		111	107	101	96	90	79	65	46	26
-	4ST10-20	3.7	5	2"		123	119	113	107	100	88	72	52	29
-	4ST10-22	4	5.5	2"		136	131	124	118	110	97	79	57	32
-	4ST10-25	5	7	2"		154	149	141	134	125	110	90	65	36
-	4ST10-28	5.5	7.5	2"		173	166	159	150	140	124	101	72	40
-	4ST10-32	7	9.5	2"		197	190	180	172	160	141	116	83	46
-	4ST10-36	7.5	10	2"		222	214	203	193	180	159	130	93	52

Performance Parameters

Model		Power		Outlet	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
Single-phase	Three-phase	kW	HP	In	l/min	0	30	60	90	120	150	180	210	240	270
4STM12-4	4ST12-4	0.75	1	2"	H(m)	25	24	23	21	20	18	15	13	9	5
4STM12-5	4ST12-5	0.92	1.25	2"		31	30	29	27	25	22	19	16	12	6
4STM12-6	4ST12-6	1.1	1.5	2"		38	36	34	32	29	26	23	19	14	8
4STM12-7	4ST12-7	1.3	1.75	2"		44	42	40	37	34	31	27	22	16	9
4STM12-8	4ST12-8	1.5	2	2"		50	48	46	43	39	35	31	25	19	10
4STM12-10	4ST12-10	1.8	2.5	2"		63	60	57	53	49	44	38	32	23	13
4STM12-12	4ST12-12	2.2	3	2"		75	72	69	64	59	53	46	38	28	15
4STM12-14	4ST12-14	2.6	3.5	2"		88	84	80	75	69	62	54	44	33	18
-	4ST12-16	3	4	2"		101	96	92	86	79	71	62	51	38	21
-	4ST12-18	3.7	5	2"		113	108	103	96	88	79	69	57	42	23
-	4ST12-20	4	5.5	2"		126	120	114	107	98	88	77	63	47	26
-	4ST12-23	5	7	2"		144	138	132	123	113	101	88	73	54	29
-	4ST12-26	5.5	7.5	2"		163	156	149	139	128	115	100	82	61	33
-	4ST12-29	7	9.5	2"		182	174	166	155	142	128	111	92	68	37
-	4ST12-32	7.5	10	2"		201	192	183	171	157	141	123	101	75	41

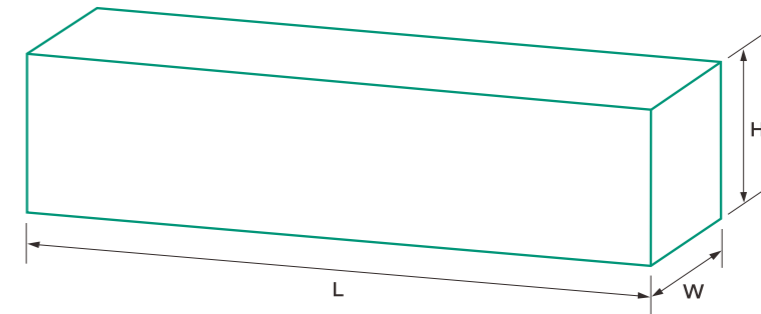
Model		Power		Outlet	m³/h	0	3	6	9	12	15	18	21
Single-phase	Three-phase	kW	HP	In	l/min	0	50	100	150	200	250	300	350
4STM16-4	4ST16-4	1.1	1.5	2"	H(m)	24	23	22	20	18	15	12	9
4STM16-5	4ST16-5	1.3	1.75	2"		30	29	28	25	22	19	15	11
4STM16-6	4ST16-6	1.5	2	2"		36	35	33	30	26	22	18	13
4STM16-8	4ST16-8	1.8	2.5	2"		47	46	44	40	35	30	24	17
4STM16-9	4ST16-9	2.2	3	2"		53	52	50	45	40	33	27	19
4STM16-11	4ST16-11	2.6	3.5	2"		65	64	61	55	48	41	33	24
-	4ST16-12	3	4	2"		71	70	66	60	53	45	36	26
-	4ST16-14	3.7	5	2"		83	81	77	70	62	52	42	30
-	4ST16-16	4	5.5	2"		95	93	88	80	70	60	48	35
-	4ST16-18	5	7	2"		107	104	99	90	79	67	54	39
-	4ST16-20	5.5	7.5	2"		118	116	110	100	88	74	60	43
-	4ST16-23	7	9.5	2"		136	133	127	115	101	86	69	50
-	4ST16-25	7.5	10	2"		148	145	138	125	110	93	75	54

Package Dimensions



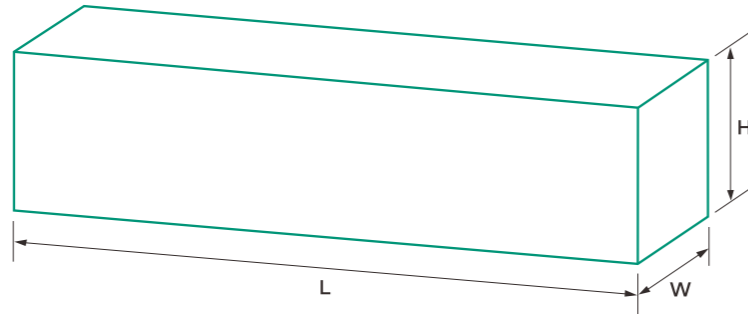
Model	Whole package size			Split package size					
				Square paper tube			Wooden box		
	W	H	L	W	H	L	W	H	L
4ST(M)2-7	145	150	765	-	-	-	-	-	-
4ST((M))2-9	145	150	835	-	-	-	-	-	-
4ST(M)2-12	145	150	920	-	-	-	-	-	-
4ST(M)2-15	145	150	1020	-	-	-	-	-	-
4ST(M)2-18	145	150	1110	-	-	-	-	-	-
4ST(M)2-21	145	150	1240	-	-	-	-	-	-
4ST(M)2-24	145	150	1340	-	-	-	-	-	-
4ST(M)2-28	145	150	1460	-	-	-	-	-	-
4ST(M)2-32	145	150	1600	-	-	-	-	-	-
4ST(M)2-37	145	150	1775	-	-	-	-	-	-
4ST(M)2-42	145	150	1950	-	-	-	-	-	-
4ST2-47	145	150	1550	-	-	-	145	150	635
4ST2-52	145	150	1740	-	-	-	145	150	700
4ST2-58	145	150	1800	-	-	-	145	150	725
4ST2-64	145	150	2000	-	-	-	145	150	780
4ST2-70	145	150	2400	-	-	-	145	150	805
4ST(M)3-5	145	150	430	-	-	-	-	-	-
4ST(M)3-7	145	150	800	-	-	-	-	-	-
4ST(M)3-10	145	150	900	-	-	-	-	-	-
4ST(M)3-13	145	150	1000	-	-	-	-	-	-
4ST(M)3-15	145	150	1070	-	-	-	-	-	-
4ST(M)3-18	145	150	1170	-	-	-	-	-	-
4ST(M)3-20	145	150	1240	-	-	-	-	-	-
4ST(M)3-26	145	150	1440	-	-	-	-	-	-
4ST(M)3-30	145	150	1570	-	-	-	-	-	-
4ST(M)3-35	145	150	1735	-	-	-	-	-	-
4ST3-40	145	150	1450	-	-	-	145	150	635
4ST3-45	145	150	1590	-	-	-	145	150	700
4ST3-50	145	150	1750	-	-	-	145	150	725
4ST3-56	145	150	1920	-	-	-	145	150	780
4ST3-62	145	150	2330	-	-	-	145	150	805

Package Dimensions



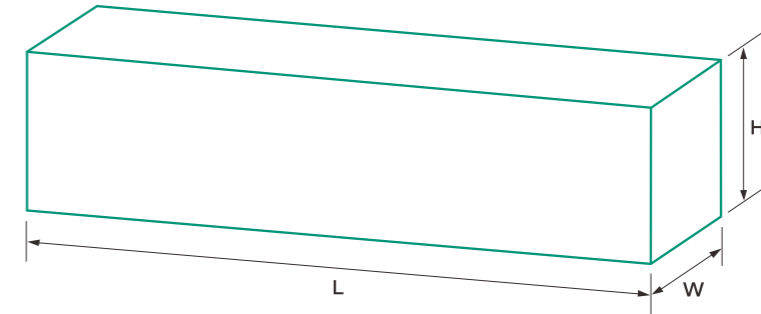
Model	Whole package size			Split package size					
				Square paper tube			Wooden box		
	W	H	L	W	H	L	W	H	L
4ST(M)4-8	145	150	800	-	-	-	-	-	-
4ST(M)4-10	145	150	875	-	-	-	-	-	-
4ST(M)4-12	145	150	1000	-	-	-	-	-	-
4ST(M)4-14	145	150	1070	-	-	-	-	-	-
4ST(M)4-16	145	150	1140	-	-	-	-	-	-
4ST(M)4-18	145	150	1265	-	-	-	-	-	-
4ST(M)4-21	145	150	1365	-	-	-	-	-	-
4ST(M)4-24	145	150	1465	-	-	-	-	-	-
4ST(M)4-28	145	150	1605	-	-	-	-	-	-
4ST4-32	145	150	1310	-	-	-	145	150	635
4ST4-36	145	150	1430	-	-	-	145	150	700
4ST4-40	145	150	1540	-	-	-	145	150	725
4ST4-45	145	150	1690	-	-	-	145	150	780
4ST4-50	145	150	1840	-	-	-	145	150	805
4ST4-56	145	150	1960	-	-	-	145	150	870
4ST4-62	145	150	2080	-	-	-	145	150	940
4ST(M)6-5	145	150	940	-	-	-	-	-	-
4ST(M)6-7	145	150	1030	-	-	-	-	-	-
4ST(M)6-8	145	150	1080	-	-	-	-	-	-
4ST(M)6-10	145	150	1170	-	-	-	-	-	-
4ST(M)6-11	145	150	1220	-	-	-	-	-	-
4ST(M)6-13	145	150	1310	-	-	-	-	-	-
4ST(M)6-15	145	150	1430	-	-	-	-	-	-
4ST(M)6-17	145	150	1550	-	-	-	-	-	-
4ST(M)6-20	145	150	1700	-	-	-	-	-	-
4ST(M)6-23	145	150	1880	-	-	-	-	-	-
4ST6-26	145	150	1270	-	-	-	145	150	635
4ST6-30	145	150	1410	-	-	-	145	150	700
4ST6-34	145	150	1550	-	-	-	145	150	725
4ST6-38	145	150	1720	-	-	-	145	150	780
4ST6-42	145	150	1860	-	-	-	145	150	805

Package Dimensions



Model	Whole package size			Split package size					
				Square paper tube			Wooden box		
	W	H	L	W	H	L	W	H	L
4ST6-47	145	150	2030	-	-	-	145	150	870
4ST6-52	145	150	2240	-	-	-	145	150	940
4ST(M)8-5	145	150	980	-	-	-	-	-	-
4ST(M)8-7	145	150	1080	-	-	-	-	-	-
4ST(M)8-8	145	150	1140	-	-	-	-	-	-
4ST(M)8-9	145	150	1200	-	-	-	-	-	-
4ST(M)8-10	145	150	1260	-	-	-	-	-	-
4ST(M)8-12	145	150	1360	-	-	-	-	-	-
4ST(M)8-14	145	150	1460	-	-	-	-	-	-
4ST(M)8-17	145	150	1600	-	-	-	-	-	-
4ST(M)8-20	145	150	1750	-	-	-	-	-	-
4ST8-23	145	150	1280	-	-	-	145	150	635
4ST8-26	145	150	1400	-	-	-	145	150	700
4ST8-29	145	150	1600	-	-	-	145	150	725
4ST8-33	145	150	1720	-	-	-	145	150	780
4ST8-37	145	150	1950	-	-	-	145	150	805
4ST8-41	145	150	2030	-	-	-	145	150	870
4ST8-45	145	150	2265	-	-	-	145	150	940
4ST(M)10-5	145	150	1000	-	-	-	-	-	-
4ST(M)10-6	145	150	1050	-	-	-	-	-	-
4ST(M)10-7	145	150	1110	-	-	-	-	-	-
4ST(M)10-8	145	150	1160	-	-	-	-	-	-
4ST(M)10-10	145	150	1260	-	-	-	-	-	-
4ST(M)10-12	145	150	1360	-	-	-	-	-	-
4ST(M)10-14	145	150	1460	-	-	-	-	-	-
4ST(M)10-16	145	150	1560	-	-	-	-	-	-
4ST10-18	145	150	1020	-	-	-	145	150	635
4ST10-20	145	150	110	-	-	-	145	150	700
4ST10-22	145	150	1250	-	-	-	145	150	725
4ST10-25	145	150	-	-	-	-	145	150	780

Package Dimensions



Model	Whole package size			Split package size					
				Square paper tube			Wooden box		
	W	H	L	W	H	L	W	H	L
4ST10-28	145	150	-	-	-	-	145	150	805
4ST10-32	145	150	1800	-	-	-	145	150	870
4ST10-36	145	150	1950	-	-	-	145	150	940
4ST(M)12-4	145	150	1030	-	-	-	-	-	-
4ST(M)12-5	145	150	1100	-	-	-	-	-	-
4ST(M)12-6	145	150	1170	-	-	-	-	-	-
4ST(M)12-7	145	150	1240	-	-	-	-	-	-
4ST(M)12-8	145	150	1310	-	-	-	-	-	-
4ST(M)12-10	145	150	1450	-	-	-	-	-	-
4ST(M)12-12	145	150	1600	-	-	-	-	-	-
4ST12-16	145	150	1270	-	-	-	145	150	635
4ST12-18	145	150	1410	-	-	-	145	150	700
4ST12-20	145	150	1550	-	-	-	145	150	725
4ST12-23	145	150	1760	-	-	-	145	150	780
4ST12-26	145	150	1970	-	-	-	145	150	805
4ST12-29	145	150	2180	-	-	-	145	150	870
4ST12-32	145	150	2240	-	-	-	145	150	940
4ST(M)16-4	145	150	1120	-	-	-	-	-	-
4ST(M)16-5	145	150	1210	-	-	-	-	-	-
4ST(M)16-6	145	150	1300	-	-	-	-	-	-
4ST(M)16-8	145	150	1480	-	-	-	-	-	-
4ST(M)16-9	145	150	1570	-	-	-	-	-	-
4ST(M)16-11	145	150	1750	-	-	-	-	-	-
4ST16-12	145	150	1160	-	-	-	145	150	635
4ST16-14	145	150	1340	-	-	-	145	150	700
4ST16-16	145	150	1520	-	-	-	145	150	725
4ST16-18	145	150	1700	-	-	-	145	150	780
4ST16-20	145	150	1880	-	-	-	145	150	805
4ST16-23	145	150	2150	-	-	-	145	150	870
4ST16-25	145	150	2330	-	-	-	145	150	940

4SEM

Oil-immersed Deep Well Pump



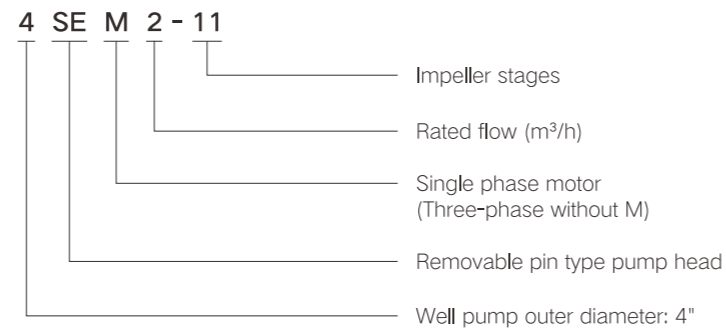
Stainless steel pump head for optional



Stainless steel connection for optional



Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

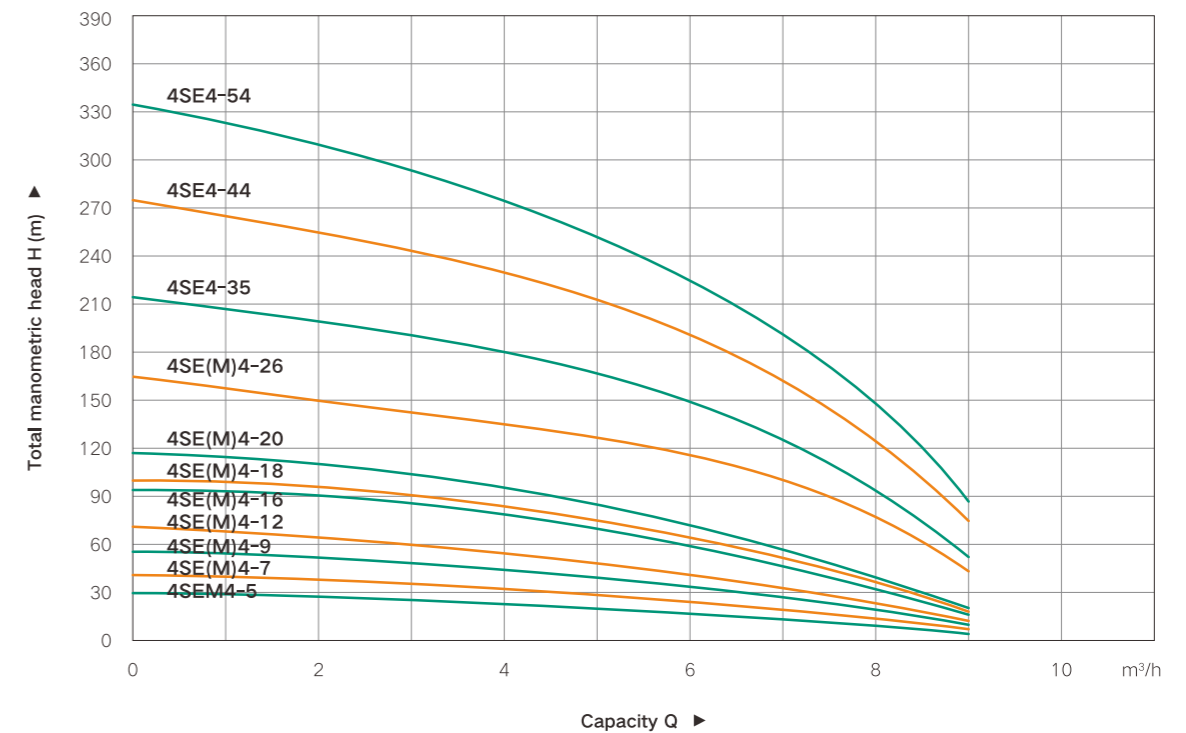
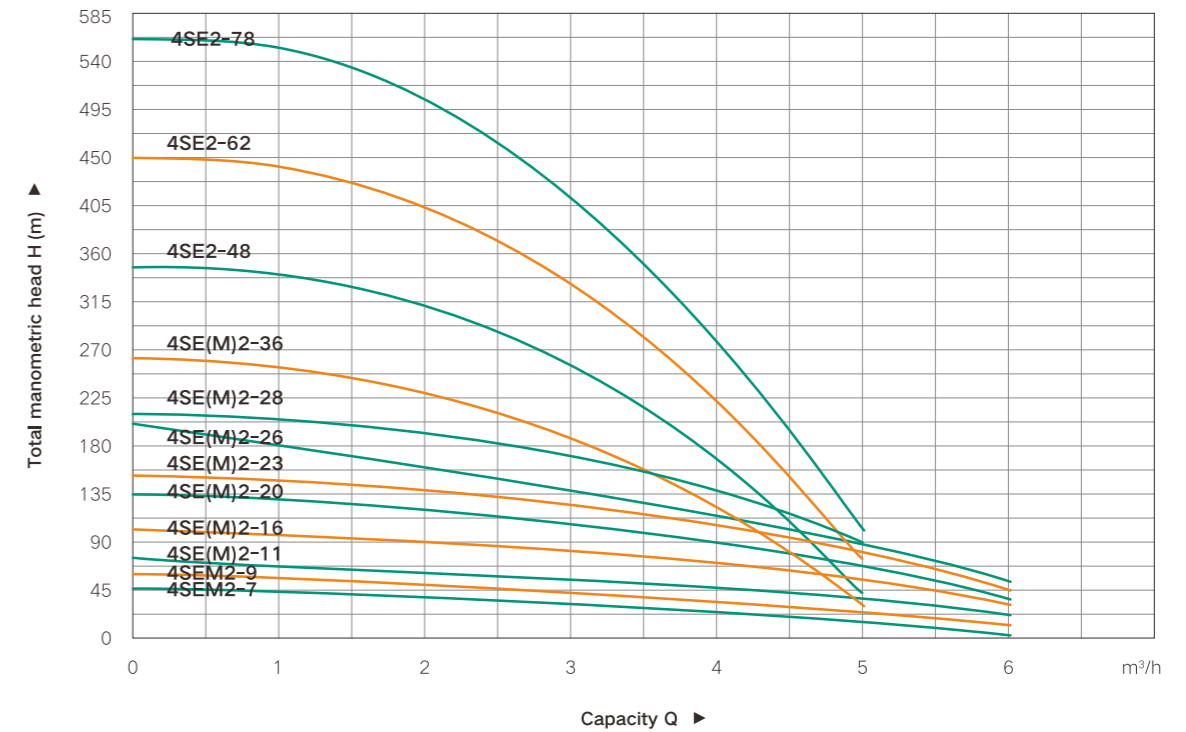
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

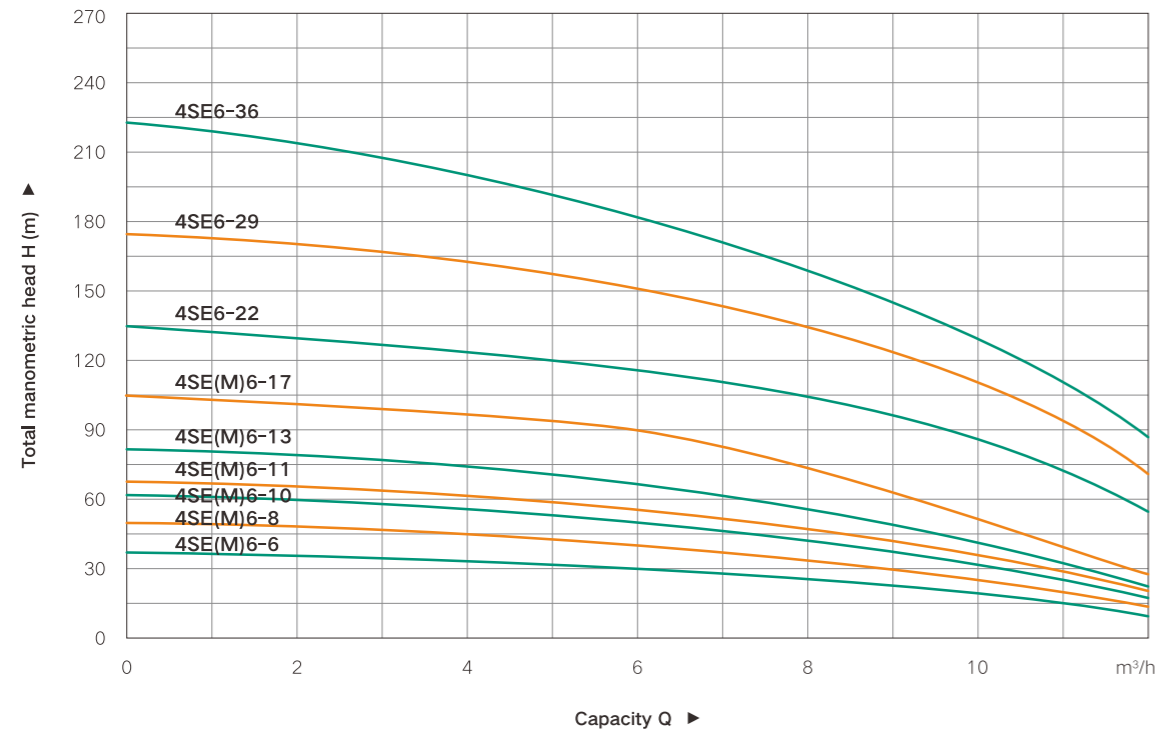
- Standard oil-immersed single-phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



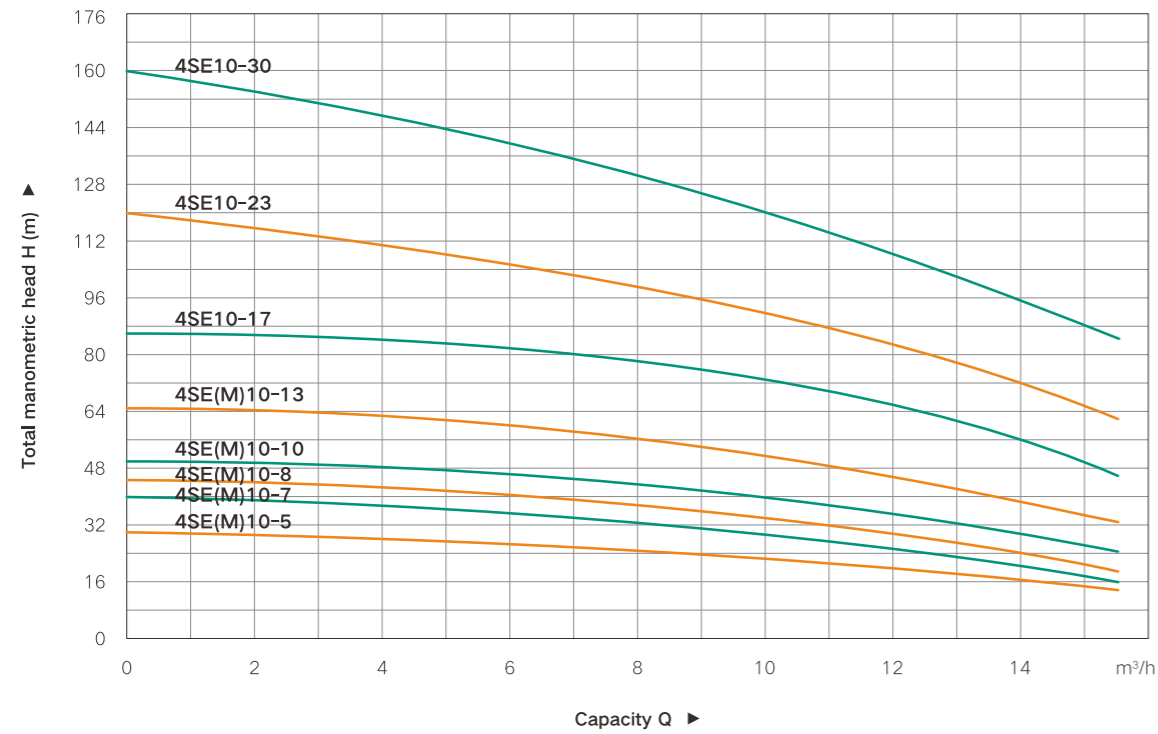
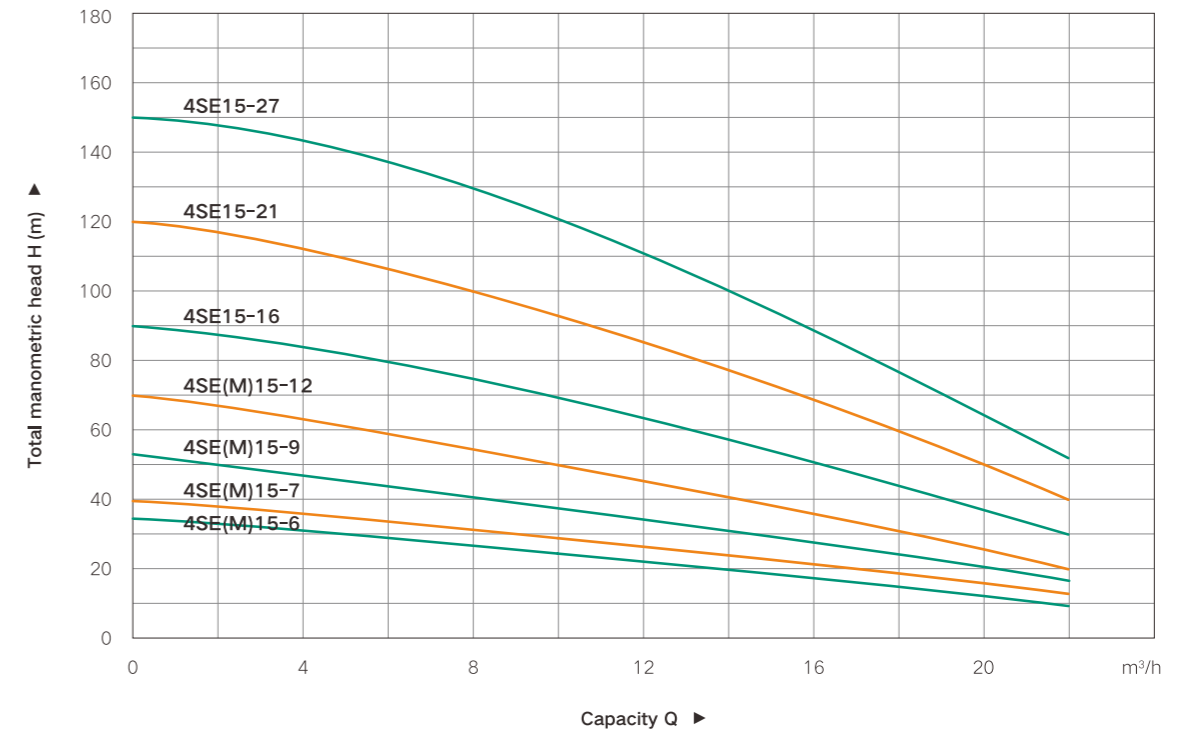
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	1	2	3	4	5	6
Single-phase(220V)	Three-phase(380V)	kW	HP										
4SEM2-7	-	0.37	0.5	1"	4"	H(m)	46	43	35	31	23	12	5
4SEM2-9	-	0.55	0.75	1"	4"		60	56	50	44	36	26	13
4SEM2-11	4SE2-11	0.75	1	1"	4"		72	68	60	58	48	37	22
4SEM2-16	4SE2-16	1.1	1.5	1"	4"		104	99	90	84	70	54	31
4SEM2-20	4SE2-20	1.5	2	1"	4"		135	130	125	108	90	67	39
4SEM2-23	4SE2-23	1.8	2.5	1"	4"		150	143	140	121	101	77	45
4SEM2-26	4SE2-26	2.2	3	1"	4"		200	181	160	138	112	85	51
4SEM2-28	4SE2-28	2.2	3	1"	4"		210	195	190	170	135	90	-
4SEM2-36	4SE2-36	3	4	1"	4"		260	258	235	195	128	31	-
-	4SE2-48	4	5.5	1"	4"		345	342	310	250	165	43	-
-	4SE2-62	5.5	7.5	1"	4"		450	445	400	333	223	75	-
-	4SE2-78	7.5	10	1"	4"		560	535	505	416	282	107	-

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	1	2	3	4	5	6	7
Single-phase(220V)	Three-phase(380V)	kW	HP											
4SEM4-5	-	0.37	0.5	1.5"	4"	H(m)	30	29	27	26	25	20	17	14
4SEM4-7	4SE4-7	0.55	0.75	1.5"	4"		42	40	38	36	35	29	24	20
4SEM4-9	4SE4-9	0.75	1	1.5"	4"		54	51	49	46	45	37	31	25
4SEM4-12	4SE4-12	1.1	1.5	1.5"	4"		71	68	65	61	58	49	42	34
4SEM4-16	4SE4-16	1.5	2	1.5"	4"		95	91	86	82	77	65	55	45
4SEM4-18	4SE4-18	1.8	2.5	1.5"	4"		107	103	97	92	85	73	62	50
4SEM4-20	4SE4-20	2.2	3	1.5"	4"		119	117	113	108	100	82	74	56
4SEM4-26	4SE4-26	3	4	1.5"	4"		165	158	150	145	140	129	115	95
-	4SE4-35	4	5.5	1.5"	4"		215	207	199	189	180	169	150	121
-	4SE4-44	5.5	7.5	1.5"	4"		275	263	251	240	230	213	190	156
-	4SE4-54	7.5	10	1.5"	4"		335	323	311	295	280	265	237	193

※ Outer diameter size with wire clamp

Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	2	3	4	5	6	7	8	11	12
Single-phase(220V)	Three-phase(380V)	kW	HP													
4SEM6-6	4SE6-6	0.75	1	1.5"	4"	H(m)	37	36	35	34	32	30	29	26	15	10
4SEM6-8	4SE6-8	1.1	1.5	1.5"	4"		50	48	47	45	42	40	38	34	20	14
4SEM6-10	4SE6-10	1.5	2	1.5"	4"		62	60	59	57	53	50	48	43	25	17
4SEM6-11	4SE6-11	1.8	2.5	1.5"	4"		68	66	65	62	59	56	52	47	28	19
4SEM6-13	4SE6-13	2.2	3	1.5"	4"		81	78	76	73	69	70	62	56	33	22
4SEM6-17	4SE6-17	3	4	1.5"	4"		105	100	96	93	91	90	82	74	42	28
-	4SE6-22	4	2.5	1.5"	4"		135	131	127	124	120	115	110	105	70	55
-	4SE6-29	5.5	7.5	1.5"	4"		175	173	168	163	159	155	147	139	92	72
-	4SE6-36	7.5	10	1.5"	4"		220	213	205	198	194	190	180	170	111	87

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	8	10	12	14	15.5
Single-phase(220V)	Three-phase(380V)	kW	HP									
4SEM10-5	4SE10-5	1.1	1.5	2"	4"	H(m)	30	25	22	19	16	14
4SEM10-7	4SE10-7	1.5	2	2"	4"		40	33	30	26	21	16
4SEM10-8	4SE10-8	1.8	2.5	2"	4"		45	38	35	30	24	19
4SEM10-10	4SE10-10	2.2	3	2"	4"		50	45	40	35	28	25
4SEM10-13	4SE10-13	3	4	2"	4"		65	56	50	46	40	33
-	4SE10-17	4	5.5	2"	4"		90	75	70	64	56	46
-	4SE10-23	5.5	7.5	2"	4"		120	98	90	82	72	62
-	4SE10-30	7.5	10	2"	4"		160	130	120	110	95	85

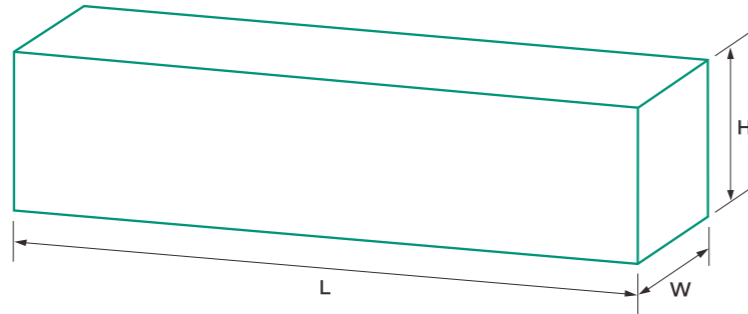
※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	0	8	10	12	15	16	18	20
Single-phase(220V)	Three-phase(380V)	kW	HP											
4SEM15-6	4SE15-6	1.5	2	2"	4"	H(m)	34	27.5	24	22.5	20	18	15	12.5
4SEM15-7	4SE15-7	1.8	2.5	2"	4"		40	32	28	27	24	21	18	15
4SEM15-9	4SE15-9	2.2	3	2"	4"		52	42.25	37	34.75	31	28	23.5	19.75
4SEM15-12	4SE15-12	3	4	2"	4"		70	57	50	47	42	38	32	27
-	4SE15-16	4	5.5	2"	4"		90	75	68	65	55	52	44	37
-	4SE15-21	5.5	7.5	2"	4"		120	100	92	85	75	68	60	50
-	4SE15-27	7.5	10	2"	4"		150	130	120	110	95	90	75	65

※ Outer diameter size with wire clamp

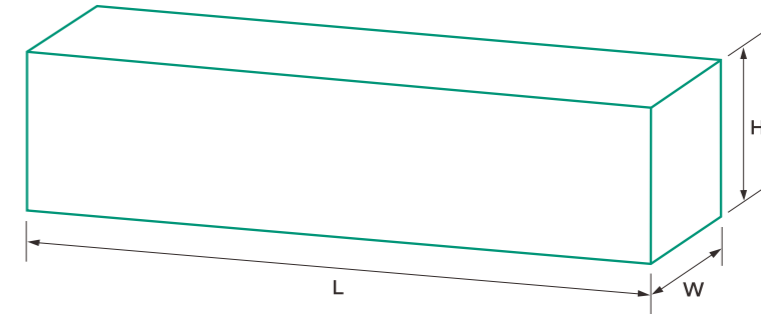


Package Dimensions



Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box			Pump	Motor
	W	H	L	W	H	L	W	H	L		
4SEM2-7	140	185	910	-	-	-	-	-	-	13.8	-
4SEM2-9	140	185	990	-	-	-	-	-	-	16.3	-
4SE(M)2-11	140	185	1060	-	-	-	-	-	-	17.65	-
4SE(M)2-16	140	185	1230	-	-	-	-	-	-	20.25	-
4SE(M)2-20	140	185	1345	-	-	-	-	-	-	23.43	-
4SE(M)2-23	140	185	1470	-	-	-	-	-	-	25.92	-
4SEM2-26	140	185	1605	-	-	-	-	-	-	29.2	-
4SE2-26	140	185	1555	-	-	-	-	-	-	26.2	-
4SEM2-28	-	-	-	105	105	1100	145	190	750	10.5	21.5
4SE2-28	-	-	-	105	105	1100	145	190	700	10.5	19.3
4SEM2-36	-	-	-	105	105	1390	145	190	850	9.7	22.65
4SE2-36	-	-	-	105	105	1390	145	190	710	9.7	20
4SE2-48	-	-	-	105	105	1725	145	190	800	13.74	22.9
4SE2-62	-	-	-	105	105	2360	145	190	875	21	28.5
4SE2-78	-	-	-	105	105	2860	145	190	950	25.65	32.05
4SEM4-5	140	185	900	-	-	-	-	-	-	12.5	-
4SEM4-7	140	185	990	-	-	-	-	-	-	15.3	-
4SE(M)4-9	140	185	1080	-	-	-	-	-	-	16.6	-
4SE(M)4-12	140	185	1215	-	-	-	-	-	-	19.5	-
4SE(M)4-16	140	185	1390	-	-	-	-	-	-	22.5	-
4SE(M)4-18	140	185	1480	-	-	-	-	-	-	25.5	-
4SEM4-20	140	185	1600	-	-	-	-	-	-	29.1	-
4SE4-20	140	185	1550	-	-	-	-	-	-	26.2	-
4SEM4-26	-	-	-	105	105	1215	145	190	850	10	22.65
4SE4-26	-	-	-	105	105	1215	145	190	710	10	20
4SE4-35	-	-	-	105	105	1530	145	190	800	12.5	22.9
4SE4-44	-	-	-	105	105	2005	145	190	875	17.5	28.5
4SE4-54	-	-	-	105	105	2320	145	190	950	20	32.05

Package Dimensions



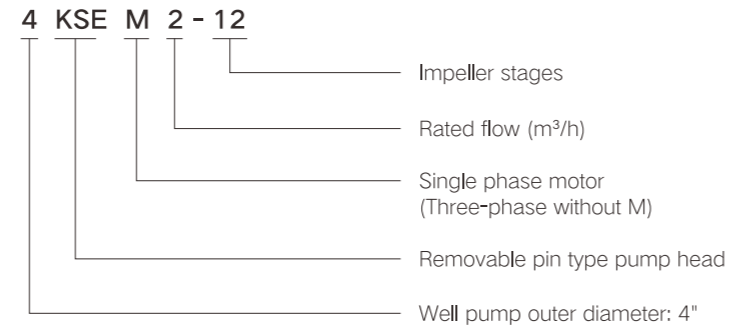
Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box			Pump	Motor
	W	H	L	W	H	L	W	H	L		
4SE(M)6-6	140	185	980	-	-	-	-	-	-	16	-
4SE(M)6-8	140	185	1085	-	-	-	-	-	-	18.4	-
4SE(M)6-10	140	185	1190	-	-	-	-	-	-	21.3	-
4SE(M)6-11	140	185	1250	-	-	-	-	-	-	22.9	-
4SEM6-13	140	185	1375	-	-	-	-	-	-	26.15	-
4SE6-3	140	185	1325	-	-	-	-	-	-	23.5	-
4SEM6-17	-	-	-	-	-	-	145	190	850	8.4	22.65
4SE6-17	-	-	-	-	-	-	145	190	710	9.37	20
4SE6-22	-	-	-	-	-	-	145	190	800	10.76	22.9
4SE6-29	-	-	-	-	-	-	145	190	875	12.4	28.5
4SE6-36	-	-	-	-	-	-	145	190	950	16.6	32.05
4SE(M)10-5	140	185	1200	-	-	-	-	-	-	20.58	-
4SE(M)10-7	140	185	1380	-	-	-	-	-	-	23.96	-
4SE(M)10-8	140	185	1490	-	-	-	-	-	-	25.9	-
4SE(M)10-10	140	185	1710	-	-	-	-	-	-	30.07	-
4SE(M)10-13	-	-	-	105	105	1320	145	190	710	11.35	20
4SE10-17	-	-	-	105	105	1600	145	190	800	13.15	22.9
4SE10-23	-	-	-	105	105	2095	145	190	875	18.4	28.5
4SE10-30	-	-	-	105	105	2580	145	190	950	21.86	32.05
4SE(M)15-6	140	185	1220	-	-	-	-	-	-	23.77	-
4SE(M)15-7	140	185	1325	-	-	-	-	-	-	25.8	-
4SE(M)15-9	140	185	1585	-	-	-	-	-	-	30.13	-
4SE(M)15-12	-	-	-	105	105	1330	145	190	710	12.01	20
4SE15-16	-	-	-	105	105	1600	145	190	800	13.6	22.9
4SE15-21	-	-	-	105	105	1985	145	190	875	16.16	28.5
4SE15-27	-	-	-	105	105	2400	145	190	950	18.28	32.05

4KSEM

Sand-resistant Oil-immersed
Deep Well Pump



Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

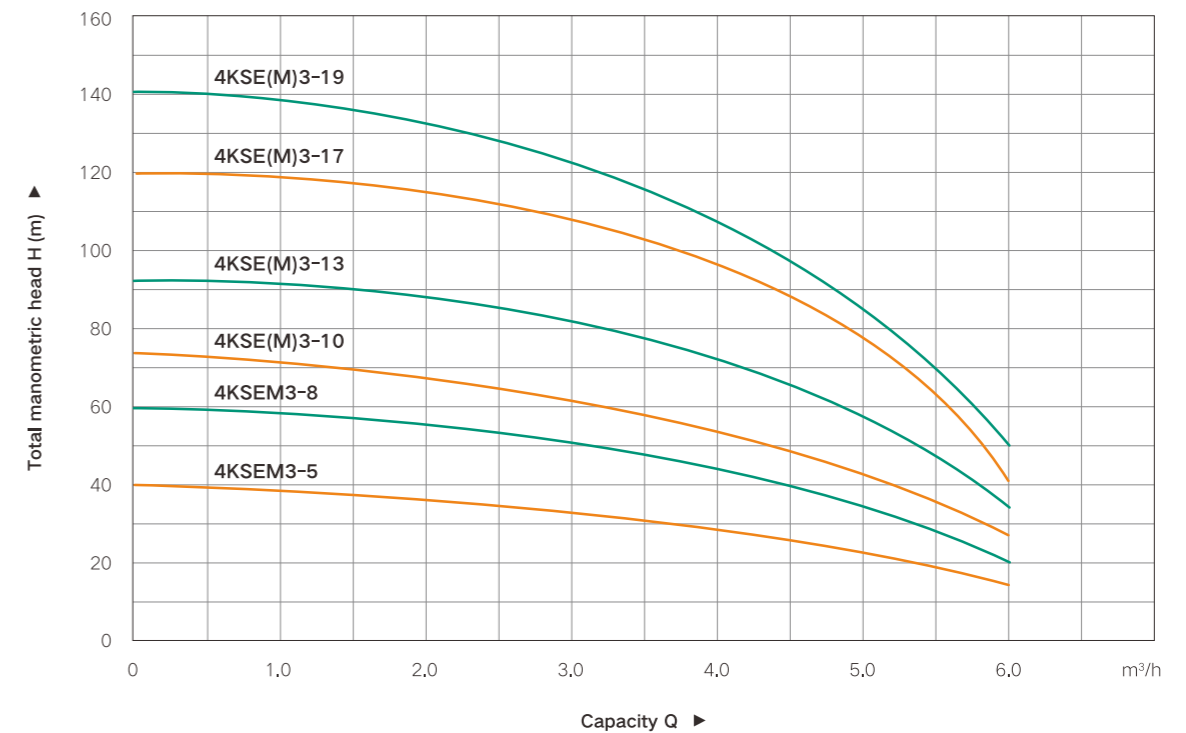
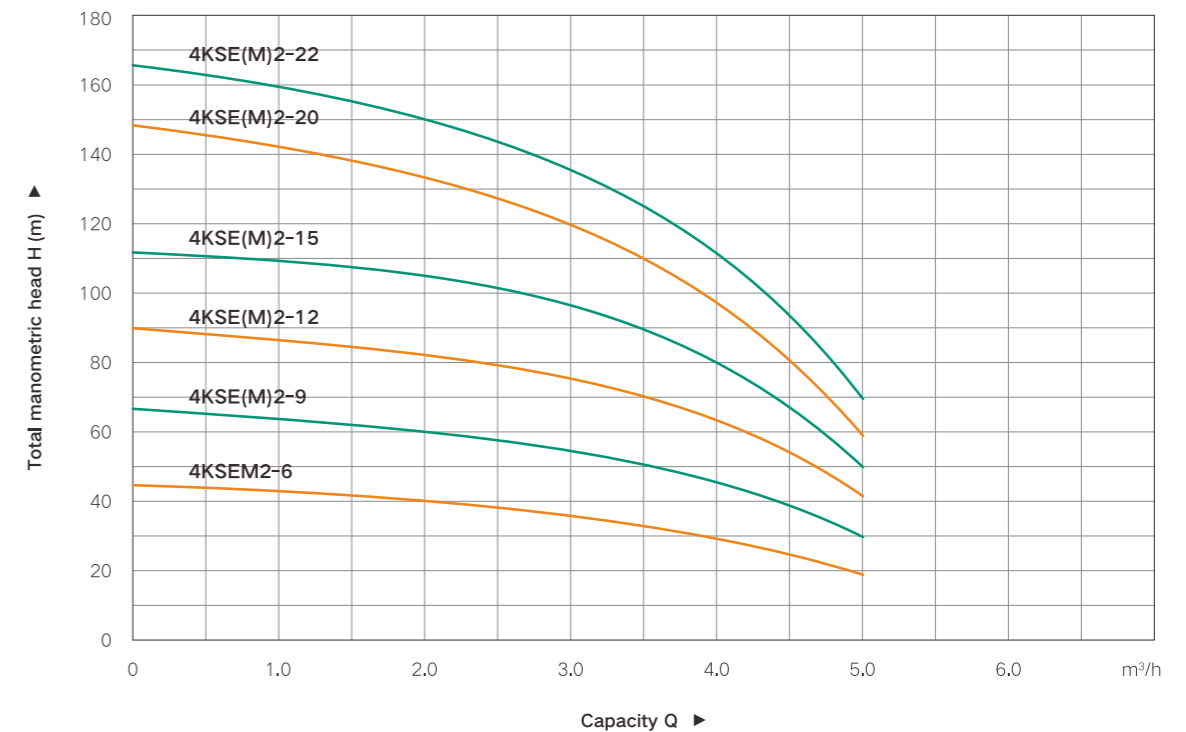
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

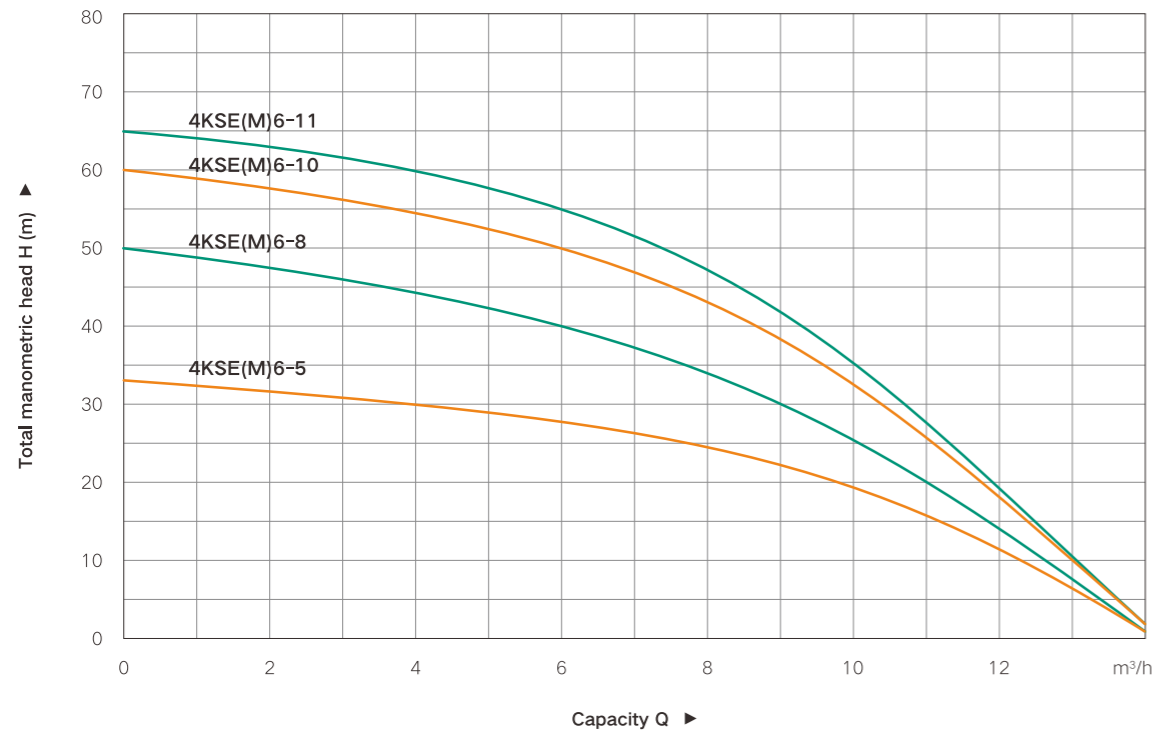
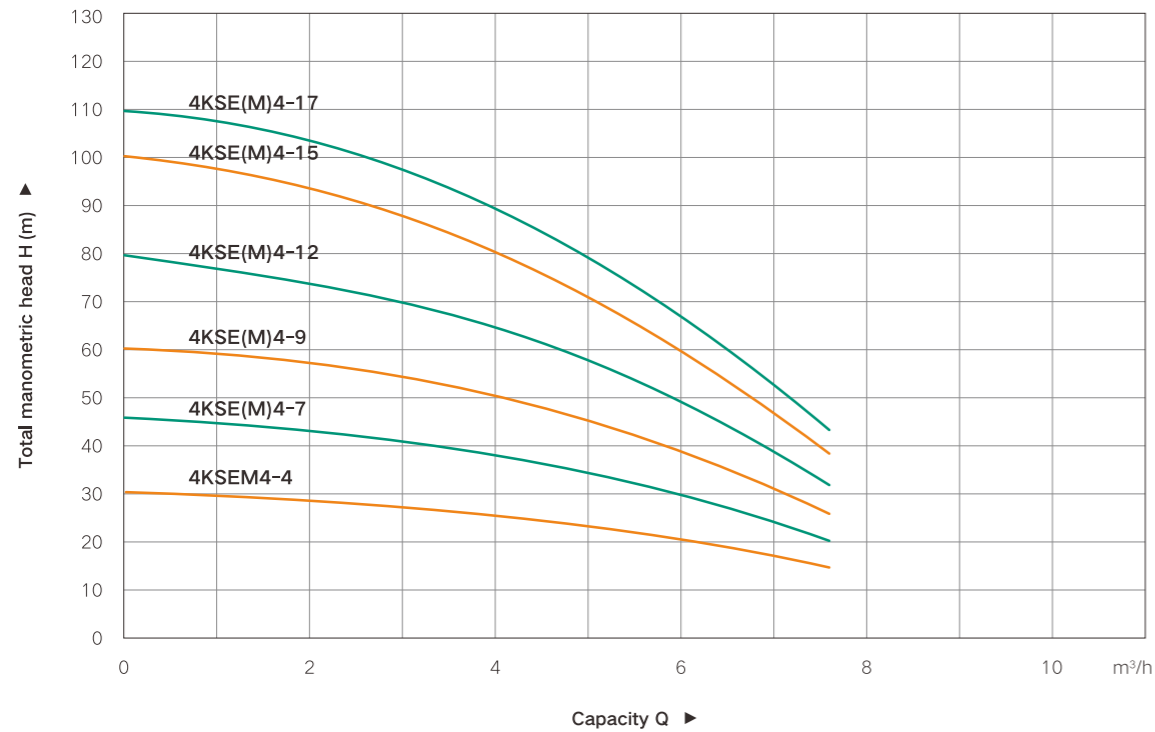
- Standard oil-immersed single-phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



Performance Curve



Performance Curve



Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)					
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	3	4	5
4KSEM2-6	-	0.37	0.5	1"	4"	H(m)	45	43	40	36	30	19
4KSEM2-9	4KSE2-9	0.55	0.75	1"	4"		67	64	60	55	45	30
4KSEM2-12	4KSE2-12	0.75	1	1"	4"		90	86	82	75	63	42
4KSEM2-15	4KSE2-15	1.1	1.5	1"	4"		112	109	105	96	80	50
4KSEM2-20	4KSE2-20	1.5	2	1"	4"		148	142	132	120	97	59
4KSEM2-22	4KSE2-22	1.8	2.5	1"	4"		165	159	150	136	112	70

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)						
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	3	4	5	6
4KSEM3-5	-	0.37	0.5	1.2"	4"	H(m)	40	38	36	32	29	24	15
4KSEM3-8	4KSE3-8	0.55	0.75	1.2"	4"		60	57	55	50	45	35	20
4KSEM3-10	4KSE3-10	0.75	1	1.2"	4"		72	68	66	62	56	46	28
4KSEM3-13	4KSE3-13	1.1	1.5	1.2"	4"		92	90	88	82	75	60	35
4KSEM3-17	4KSE3-17	1.5	2	1.2"	4"		120	119	116	110	98	75	41
4KSEM3-19	4KSE3-19	1.8	2.5	1.2"	4"		140	139	132	125	110	85	50

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)						
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	3	4	5	6
4KSEM4-4	-	0.37	0.5	1.5"	4"	H(m)	30	28	28	26	25	23	21
4KSEM4-7	4KSE4-7	0.55	0.75	1.5"	4"		46	40	43	41	38	35	30
4KSEM4-9	4KSE4-9	0.75	1	1.5"	4"		60	58	57	54	50	45	38
4KSEM4-12	4KSE4-12	1.1	1.5	1.5"	4"		80	77	74	70	65	58	50
4KSEM4-15	4KSE4-15	1.5	2	1.5"	4"		100	97	93	87	80	70	58
4KSEM4-17	4KSE4-17	1.8	2.5	1.5"	4"		110	107	104	98	90	80	67

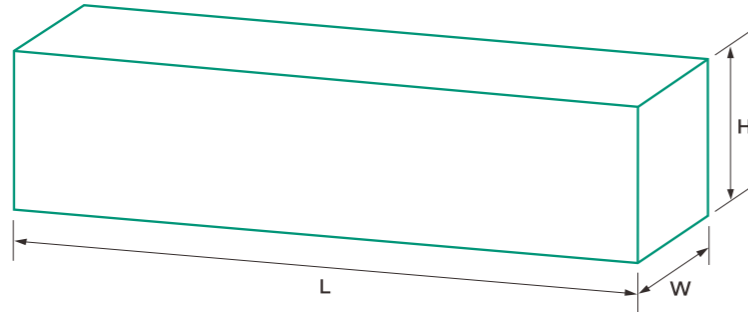
※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	4	6	8	10	12
4KSEM6-5	4KSE6-5	0.75	1	1.5"	4"	H(m)	33	32	31	29	28	24	19	11
4KSEM6-8	4KSE6-8	1.1	1.5	1.5"	4"		50	48	47	44	40	34	25	13
4KSEM6-10	4KSE6-10	1.5	2	1.5"	4"		60	58	57	54	50	43	33	17
4KSEM6-11	4KSE6-11	1.8	2.5	1.5"	4"		65	64	63	60	55	47	36	29

※ Outer diameter size with wire clamp



Package Dimensions



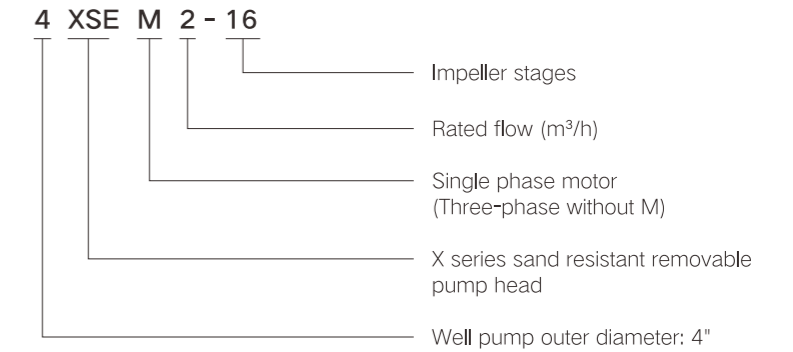
Model	Whole package size			G.W	Model	Whole package size			G.W
	W	H	L	Pump		W	H	L	Pump
4KSEM2-6	140	185	955	13.76	4KSE(M)3-19	140	185	1470	25.43
4KSE(M)2-9	140	185	1055	16.6	4KSEM4-4	140	185	920	13.47
4KSE(M)2-12	140	185	1150	18.12	4KSE(M)4-7	140	185	1035	16.35
4KSE(M)2-15	140	185	1265	20.64	4KSE(M)4-9	140	185	1115	17.77
4KSE(M)2-20	140	185	1430	24.44	4KSE(M)4-12	140	185	1240	20.35
4KSE(M)2-22	140	185	1500	26.2	4KSE(M)4-15	140	185	1370	23.64
4KSEM3-5	140	185	940	13.62	4KSE(M)4-17	140	185	1450	25.23
4KSE(M)3-8	140	185	1050	16.47	4KSE(M)6-5	140	185	1010	17.03
4KSE(M)3-10	140	185	1120	17.85	4KSE(M)6-8	140	185	1145	19.65
4KSE(M)3-13	140	185	1240	20.41	4KSE(M)6-10	140	185	1215	22.38
4KSE(M)3-17	140	185	1390	23.65	4KSE(M)6-11	140	185	1270	24.03

4XSEM

Stainless Steel Sand Resistant
Oil-immersed Deep Well Pump



Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

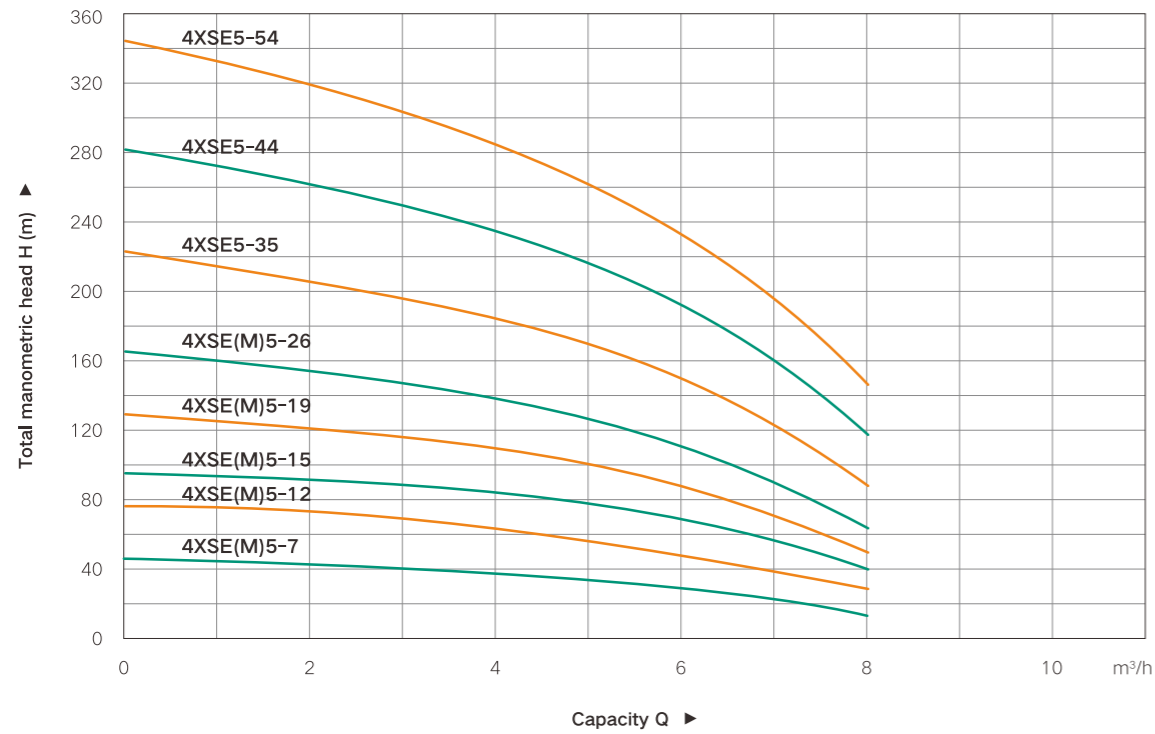
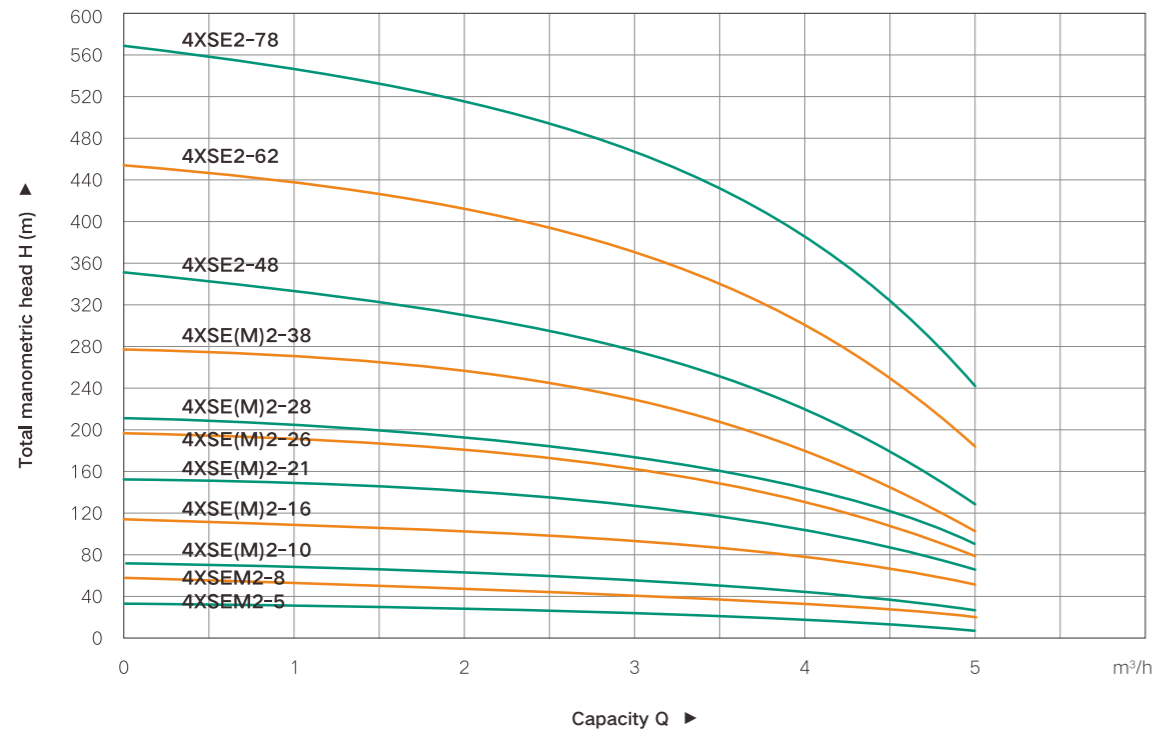
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

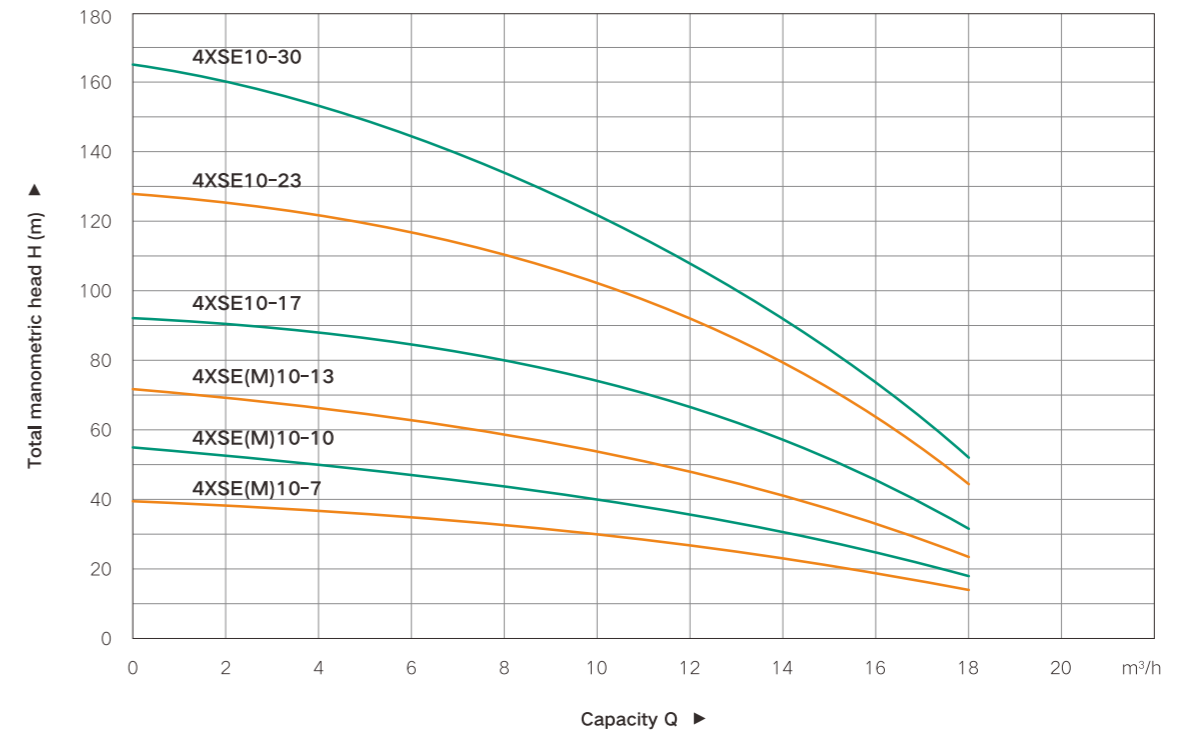
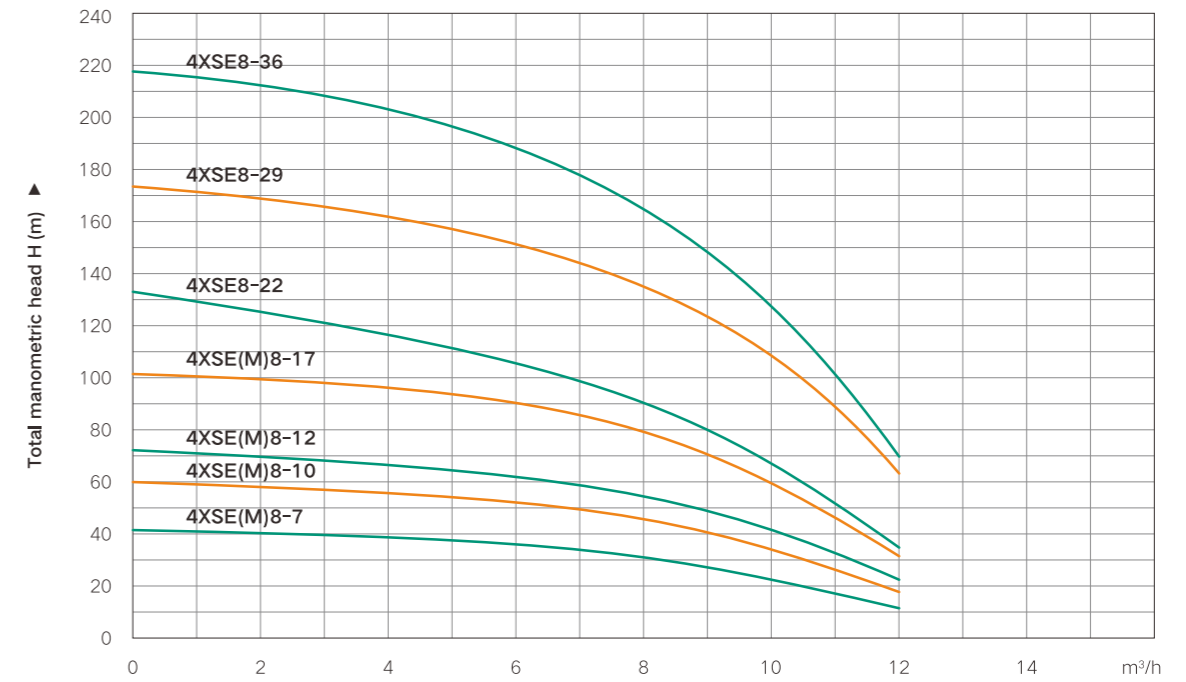
- Standard oil-immersed single-phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



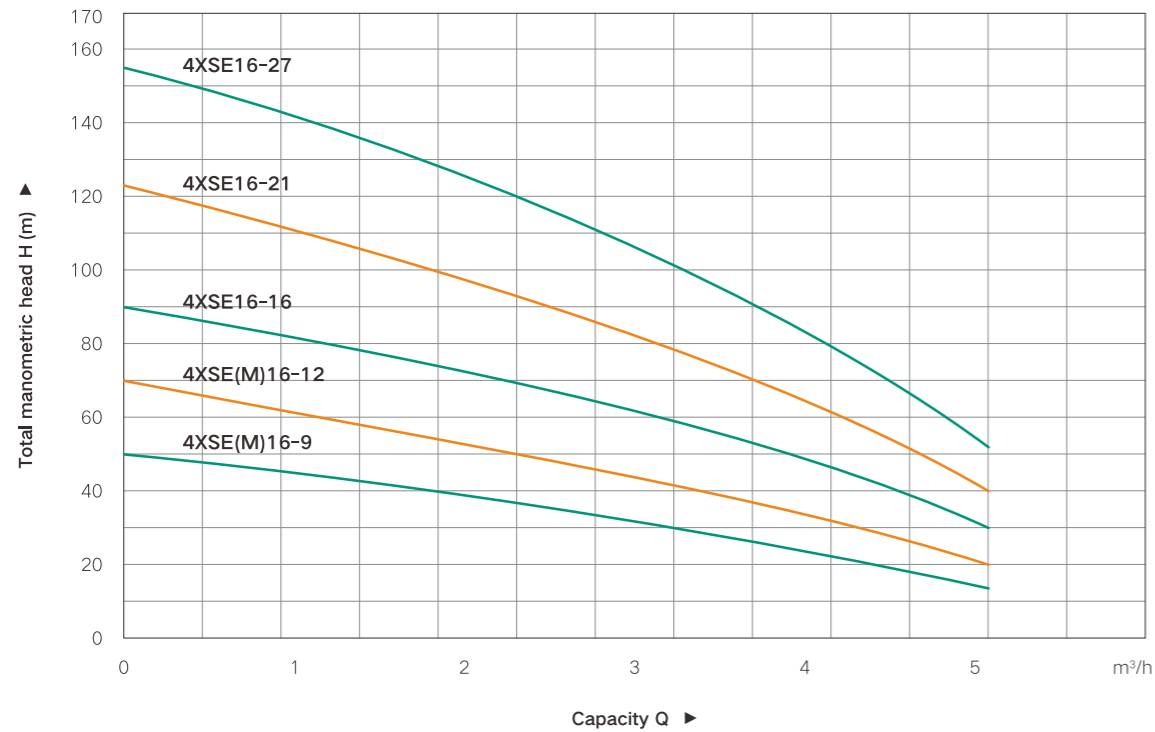
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)					
Single-phase(220V)	Three-phase(380V)	kW	HP				0	1	2	3	4	5
4XSEM2-5	-	0,37	0,5	1"	4"	H(m)	36	35	33	25	19	13
4XSEM2-8	-	0,55	0,75	1"	4"		58	56	52	40	30	20
4XSEM2-10	4XSE2-10	0,75	1	1"	4"		73	70	65	50	38	25
4XSEM2-16	4XSE2-16	1,1	1,5	1"	4"		117	110	105	90	75	50
4XSEM2-21	4XSE2-21	1,5	2	1"	4"		154	143	140	125	110	65
4XSEM2-26	4XSE2-26	2,2	3	1"	4"		198	185	180	160	130	80
4XSEM2-28	4XSE2-28	2,2	3	1"	4"		210	195	190	170	136	90
4XSEM2-38	4XSE2-38	3	4	1"	4"		279	260	250	230	180	100
-	4XSE2-48	4	5,5	1"	4"		352	330	315	270	220	125
-	4XSE2-62	5,5	7,5	1"	4"		454	430	406	370	300	180
-	4XSE2-78	7,5	10	1"	4"	572	540	510	470	390	242	

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)						
Single-phase(220V)	Three-phase(380V)	kW	HP				0	3	4	5	6	7	8
4XSEM5-7	4XSE5-7	1,1	1,5	1,5"	4"	H(m)	45	40	36	35	28	22	16
4XSEM5-12	4XSE5-12	1,1	1,5	1,5"	4"		77	70	62	58	50	38	30
4XSEM5-15	4XSE5-15	1,5	2	1,5"	4"		96	90	85	75	66	57	40
4XSEM5-19	4XSE5-19	2,2	3	1,5"	4"		128	115	110	100	86	70	50
4XSEM5-26	4XSE5-26	3	4	1,5"	4"		166	149	138	125	110	90	63
-	4XSE5-35	4	5,5	1,5"	4"		224	190	181	170	150	120	85
-	4XSE5-44	5,5	7,5	1,5"	4"		282	245	232	215	190	160	119
-	4XSE5-54	7,5	10	1,5"	4"		346	302	282	260	235	195	142

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)						
Single-phase(220V)	Three-phase(380V)	kW	HP				0	6	7	8	9	10	12
4XSEM8-7	4XSE8-7	1,1	1,5	2"	4"	H(m)	42	36	34	32	28	22	11
4XSEM8-10	4XSE8-10	1,5	2	2"	4"		60	52	50	46	40	35	18
4XSEM8-12	4XSE8-12	2,2	3	2"	4"		72	62	58	55	59	41	21
4XSEM8-17	4XSE8-17	3	4	2"	4"		102	90	85	80	70	60	31
-	4XSE8-22	4	5,5	2"	4"		132	105	98	90	80	67	35
-	4XSE8-29	5,5	7,5	2"	4"		174	152	142	135	123	109	61
-	4XSE8-36	7,5	10	2"	4"		216	188	178	165	150	128	70

※ Outer diameter size with wire clamp



Performance Parameters

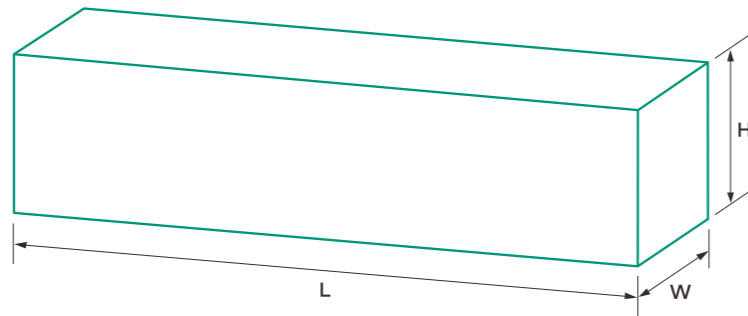
Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)						
Single-phase(220V)	Three-phase(380V)	kW	HP				0	8	10	12	14	16	18
4XSEM10-7	4XSE10-7	1.5	2	2"	4"	H(m)	39	35	30	27	23	18	15
4XSEM10-10	4XSE10-10	2.2	3	2"	4"		55	41	40	35	30	25	18
4XSEM10-13	4XSE10-13	3	4	2"	4"		72	58	53	48	42	35	23
-	4XSE10-17	4	5.5	2"	4"		94	80	75	68	58	45	32
-	4XSE10-23	5.5	7.5	2"	4"		127	108	102	91	78	63	45
-	4XSE10-30	7.5	10	2"	4"		165	131	121	110	95	78	56

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Outlet diameter (mm)	Flow (m³/h)	H(m)							
Single-phase(220V)	Three-phase(380V)	kW	HP				0	8	10	12	14	16	18	20
4XSEM16-9	4XSE16-9	2.2	3	2"	4"	H(m)	50	40	36	34	30	27	23	19
4XSEM16-12	4XSE16-12	3	4	2"	4"		70	57	50	47	42	38	32	27
-	4XSE16-16	4	5.5	2"	4"		90	75	68	65	58	52	44	37
-	4XSE16-21	5.5	7.5	2"	4"		122	100	92	85	76	68	60	50
-	4XSE16-27	7.5	10	2"	4"		155	130	120	110	103	91	76	65

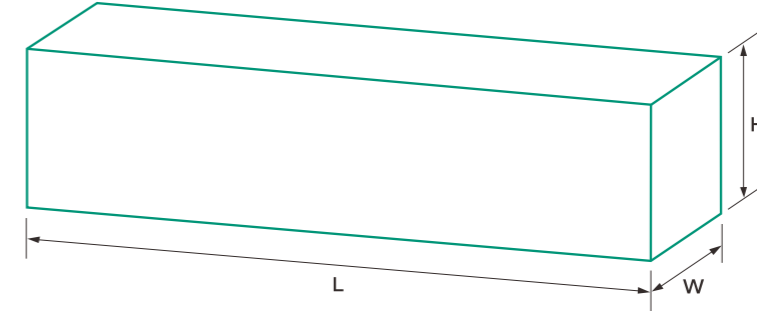
※ Outer diameter size with wire clamp

Package Dimensions



Model	Whole package size			Split package size						G.W		
				Square paper tube			Wooden box					
	W	H	L	W	H	L	W	H	L	Pump	Motor	
4XSEM2-5	140	185	800	-	-	-	-	-	-	-	15.2	-
4XSEM2-8	140	185	920	-	-	-	-	-	-	-	17.5	-
4XSE(M)2-10	140	185	970	-	-	-	-	-	-	-	19.4	-
4XSE(M)2-16	140	185	1300	-	-	-	-	-	-	-	20.75	-
4XSE(M)2-21	140	185	1510	-	-	-	-	-	-	-	24.22	-
4XSE(M)2-26	140	185	1735	-	-	-	-	-	-	-	29.35	-

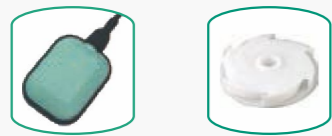
Package Dimensions



Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box				
	W	H	L	W	H	L	W	H	L	Pump	Motor
4XSE(M)2-28	-	-	-	105	105	1050	145	190	750	9.5	21.5
4XSE(M)2-38	-	-	-	105	105	1490	145	190	710	12.22	20
4XSE2-48	-	-	-	105	105	1800	145	190	800	14.23	22.9
4XSE2-62	-	-	-	105	105	2430	145	190	880	17.1	28.5
4XSE2-78	-	-	-	105	105	2930	145	190	950	20.4	32.05
4XSE(M)5-7	140	185	920	-	-	-	-	-	-	16.8	-
4XSE(M)5-12	140	185	1230	-	-	-	-	-	-	20.1	-
4XSE(M)5-15	140	185	1380	-	-	-	-	-	-	23.4	-
4XSE(M)5-19	140	185	1630	-	-	-	-	-	-	28.91	-
4XSE(M)5-26	-	-	-	105	105	1290	145	190	710	10.78	20
4XSE5-35	-	-	-	105	105	1610	145	190	800	12.85	22.9
4XSE5-44	-	-	-	105	105	2080	145	190	880	17.7	28.5
4XSE5-54	-	-	-	105	105	2390	145	190	950	19.92	32.05
4XSE(M)8-7	140	185	1155	-	-	-	-	-	-	5.81	-
4XSE(M)8-10	140	185	1285	-	-	-	-	-	-	6.5	-
4XSE(M)8-12	140	185	1520	-	-	-	-	-	-	7.18	-
4XSE(M)8-17	-	-	-	105	105	1110	145	190	710	9.87	20
4XSE8-22	-	-	-	105	105	1335	145	190	800	11.26	22.9
4XSE8-29	-	-	-	105	105	1595	145	190	880	12.9	28.5
4XSE8-36	-	-	-	105	105	2010	145	190	950	17.08	32.05
4XSE(M)10-7	140	185	1400	-	-	-	-	-	-	23.96	-
4XSE(M)10-10	140	185	1700	-	-	-	-	-	-	29.67	-
4XSE(M)10-13	-	-	-	105	105	1305	145	190	710	11.65	20
4XSE10-17	-	-	-	105	105	1590	145	190	800	13.45	22.9
4XSE10-23	-	-	-	105	105	2080	145	190	880	18.7	28.5
4XSE10-30	-	-	-	105	105	2560	145	190	950	22.16	32.05
4XSE(M)16-9	140	185	1700	-	-	-	-	-	-	29.73	-
4XSE(M)16-12	-	-	-	105	105	1305	145	190	710	12.01	20
4XSE16-16	-	-	-	105	105	1580	145	190	800	13.6	22.9
4XSE16-21	-	-	-	105	105	1965	145	190	880	16.16	28.5
4XSE16-27	-	-	-	105	105	2375	145	190	950	18.28	32.05

4TMS

Deep Well Built-in Deep Well Pump



For Selection



Applications

- Clean water pumping for agriculture and aquaculture
- Deep well domestic water pumping
- Landscape fountain, horticultural irrigation
- Water supply for other occasions

Construction Features

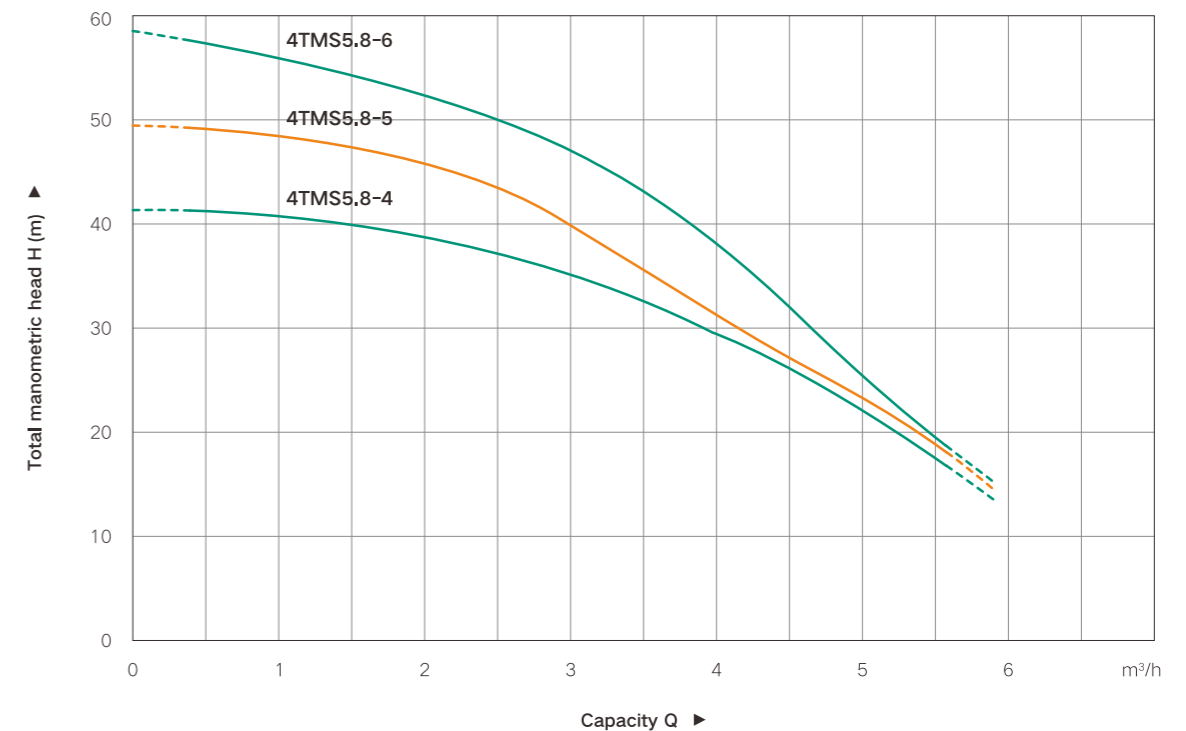
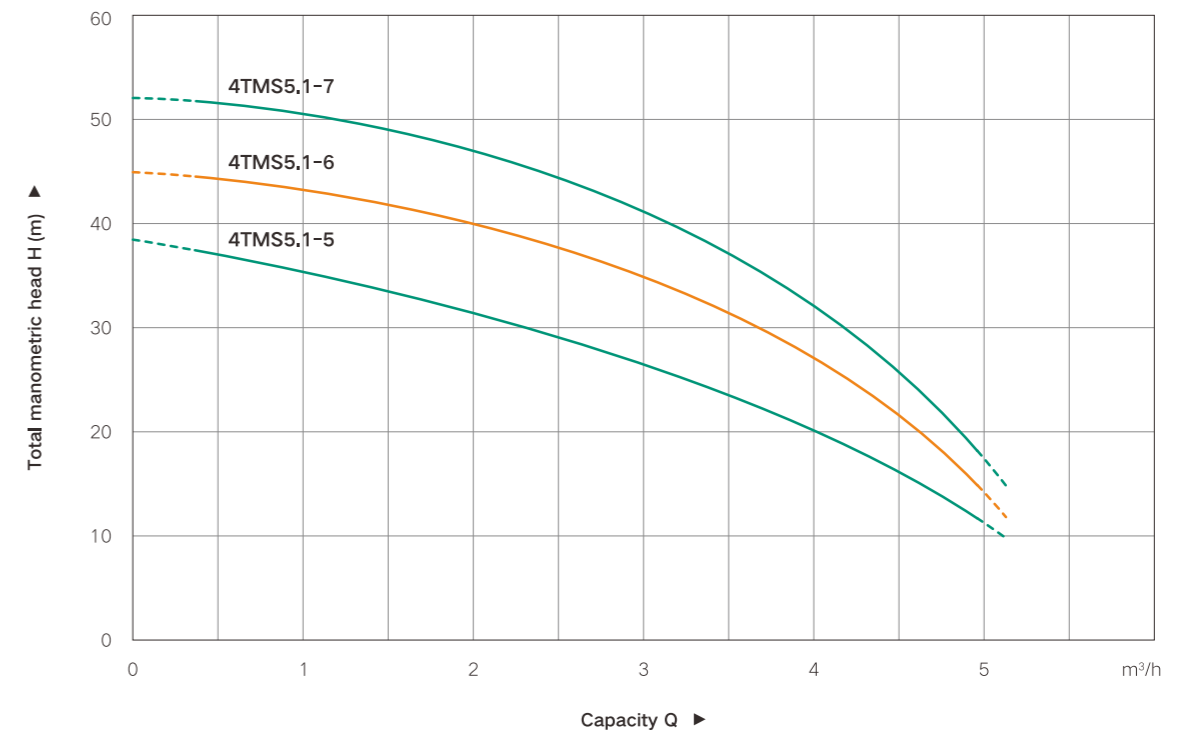
- Outlet diameter 1.25 inches
- Optional float switch and base can be added
- Voltage and frequency optional 220V/110V, 50Hz

Product Description

- The electric pump is composed of pump, mechanical seal and motor. The single-phase asynchronous electric motor is located above the pump. The pump is located at the lower part of the motor and is a multi-stage centrifugal impeller structure; two wear-resistant mechanical seals are used before the water pump and the motor.
- The fixed lip seal adopts O-Ring as the static seal, the motor jacket has a steel cooling water jacket, the water flow passes through the water jacket and the motor gap when the pump is working, which has a good cooling effect on the motor and bearings, so the upper part of the electric pump can work above water.
- This series of electric pumps has the advantages of compact structure, convenient movement, simple installation, high lift, and thorough draining.



Performance Curve

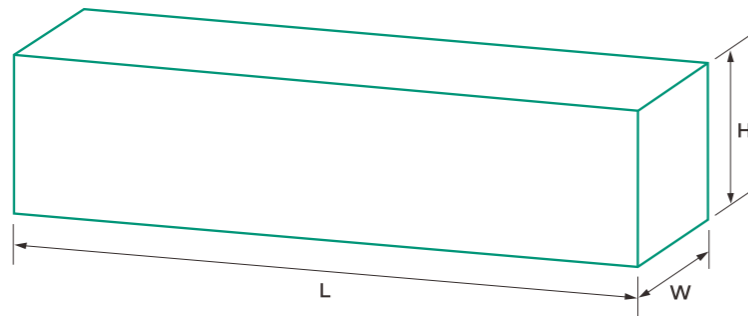


Performance Parameters

Model	Power		Outlet In	m³/h l/min	0	1	2	3	4	4.5	5.1
	kW	HP			0	17	34	50	67	75	85
4TMS5.1-5	0.37	0.5	1.25"	H(m)	38	35	31	27	19	15	10
4TMS5.1-6	0.6	0.8	1.25"		45	43	40	34	27	22	12
4TMS5.1-7	0.8	1.1	1.25"		52	50	47	40	33	25	15

Model	Power		Outlet In	m³/h l/min	0	1	2	3	4	5	5.8
	kW	HP			0	17	34	50	67	84	98
4TMS5.8-4	0.37	0.5	1.25"	H(m)	42	41	38	35	30	22	14
4TMS5.8-5	0.6	0.8	1.25"		50	49	46	40	32	23	15
4TMS5.8-6	0.8	1.1	1.25"		58	56	53	46	38	24	16

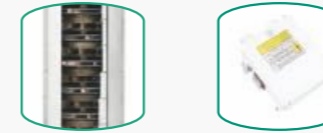
Package Dimensions



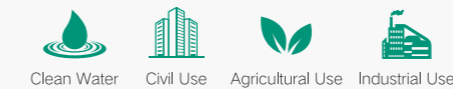
Model	W	H	L
	mm	mm	mm
4TMS5.1-5	145	200	595
4TMS5.1-6	145	200	635
4TMS5.1-7	145	200	675
4TMS5.8-4	145	200	550
4TMS5.8-5	145	200	590
4TMS5.8-6	145	200	630

4SM-F

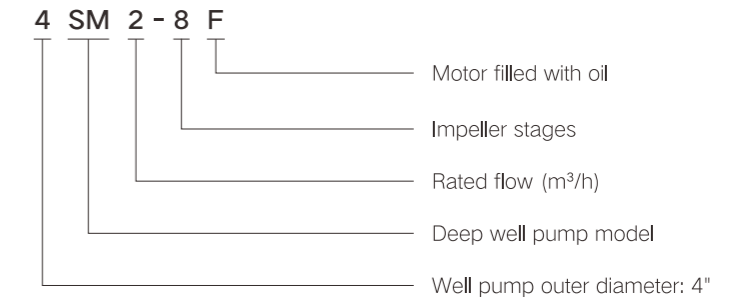
Deep Well Pump



Stainless steel impeller



Model Meaning



Fields of Application

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

Pump Features

- Casing both of pump and motor
- Impeller and diffuser: Stainless steel

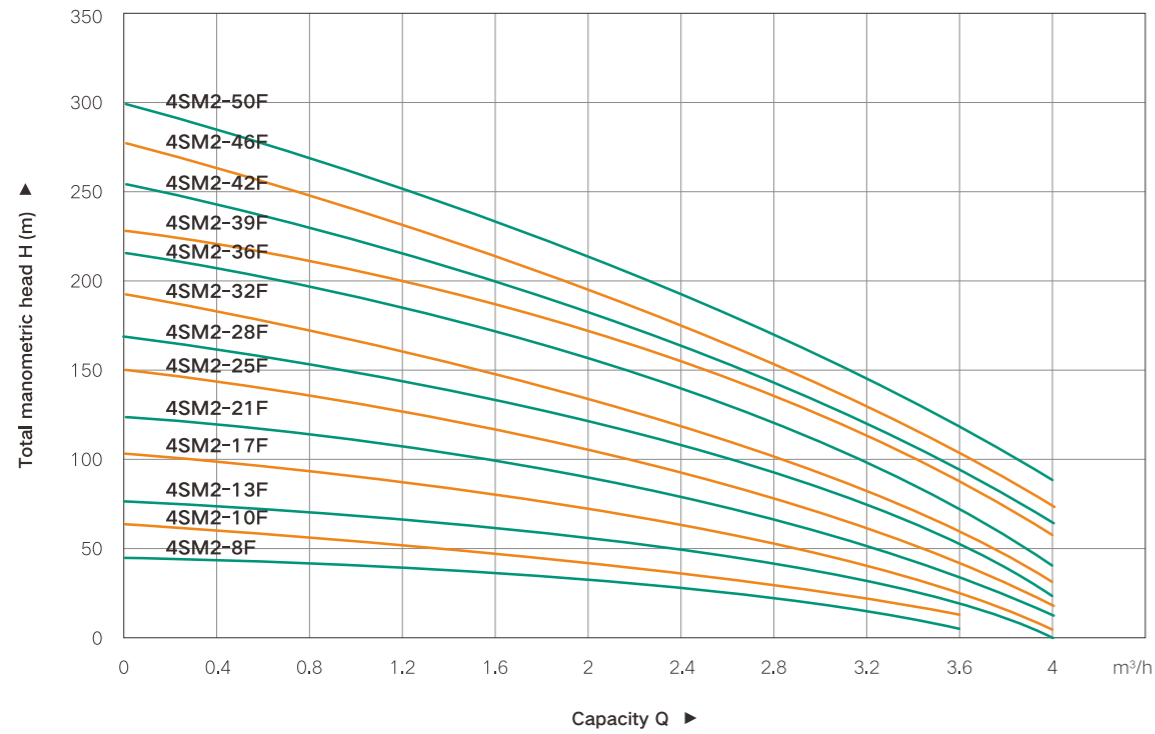
Accessories

- Controller
- Waterproof tape

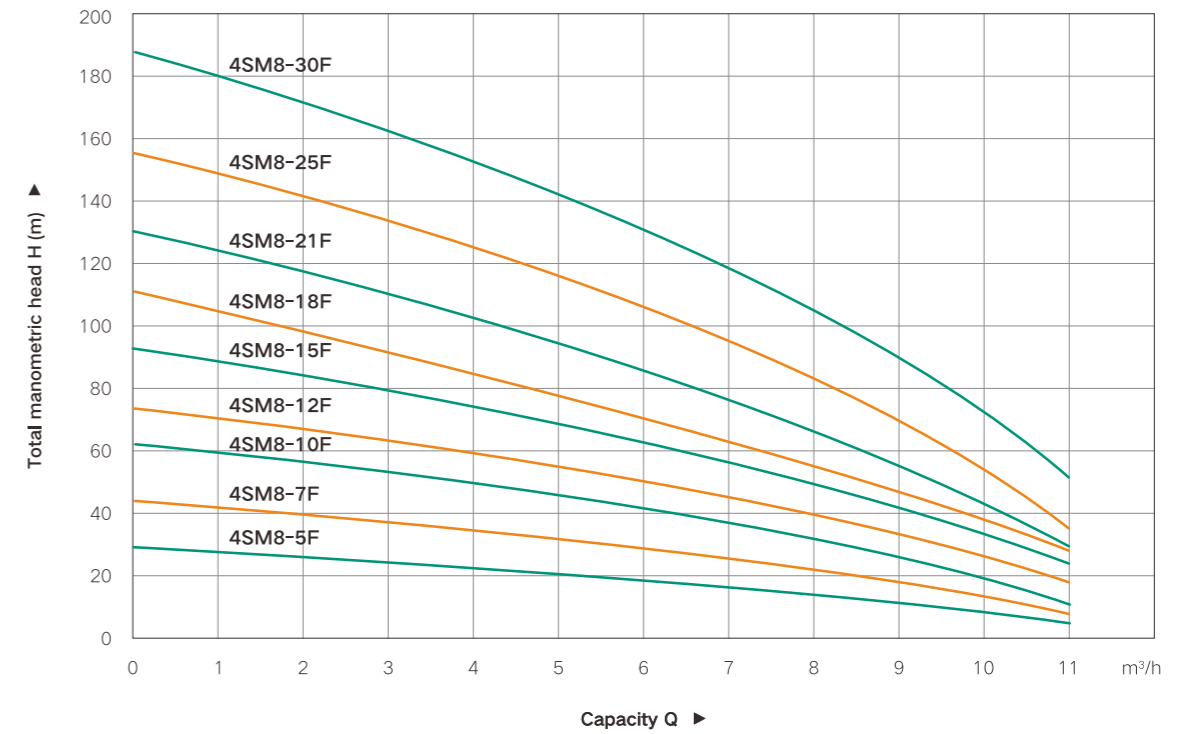
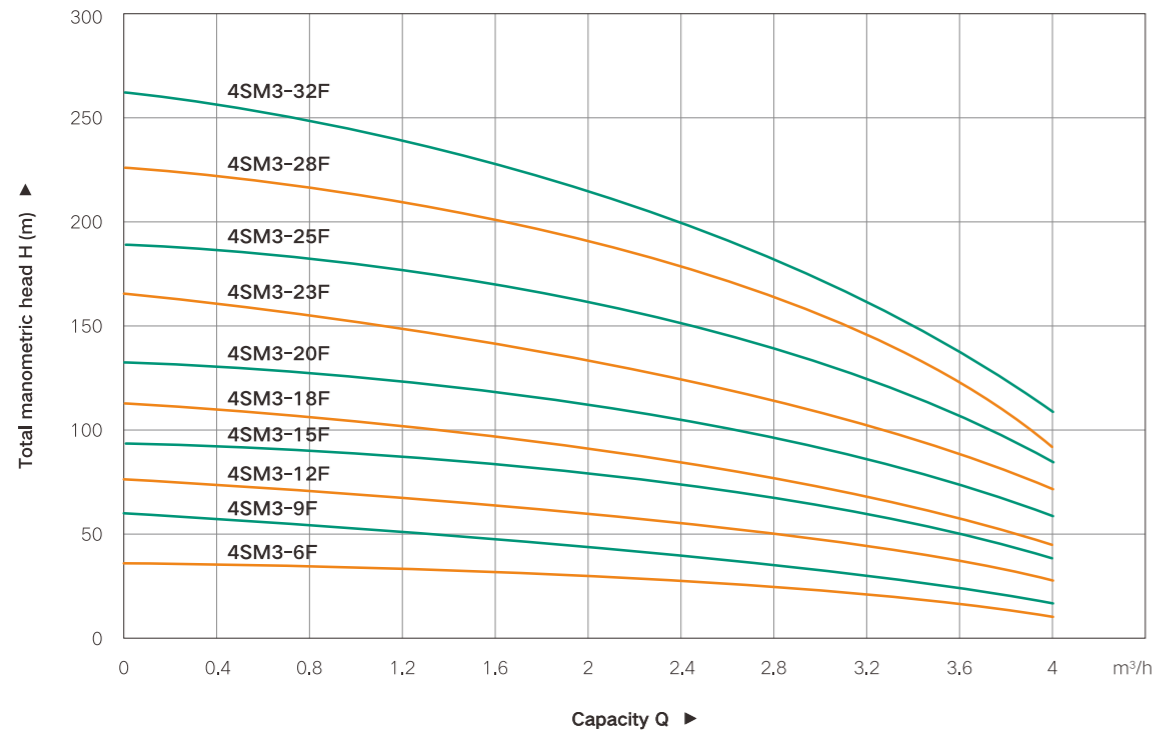
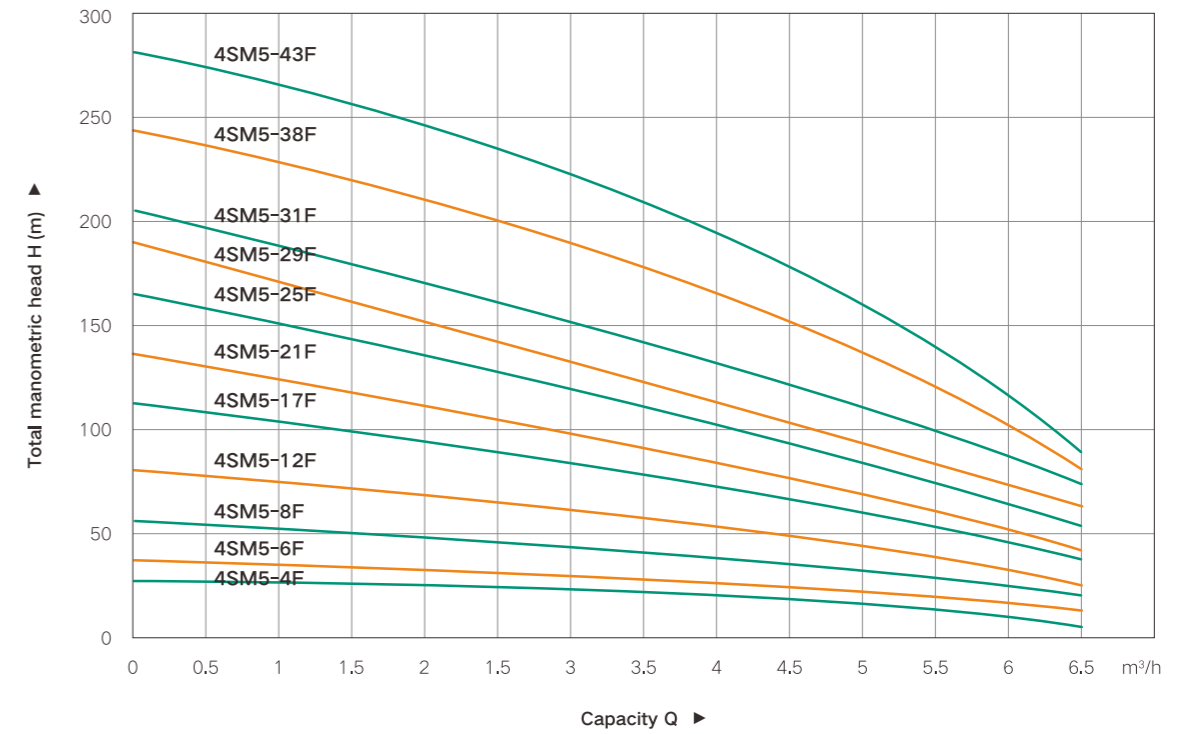
Working Conditions

- Suitable fluids: Clean, free from solid or abrasive substances. Chemically neutral and close to the characteristics of water
- Speed range: 2900 rpm
- Liquid temperature range: 0°C ~ 40°C
- Max. Working pressure: 3.5 bar
- Ambient temperature permissible up to: 50°C
- Voltage range: Single phase: 170V ~ 240V/50Hz
Three phase: 350V ~ 415V/50Hz
- Protection class: IP68
- Insulation class: F

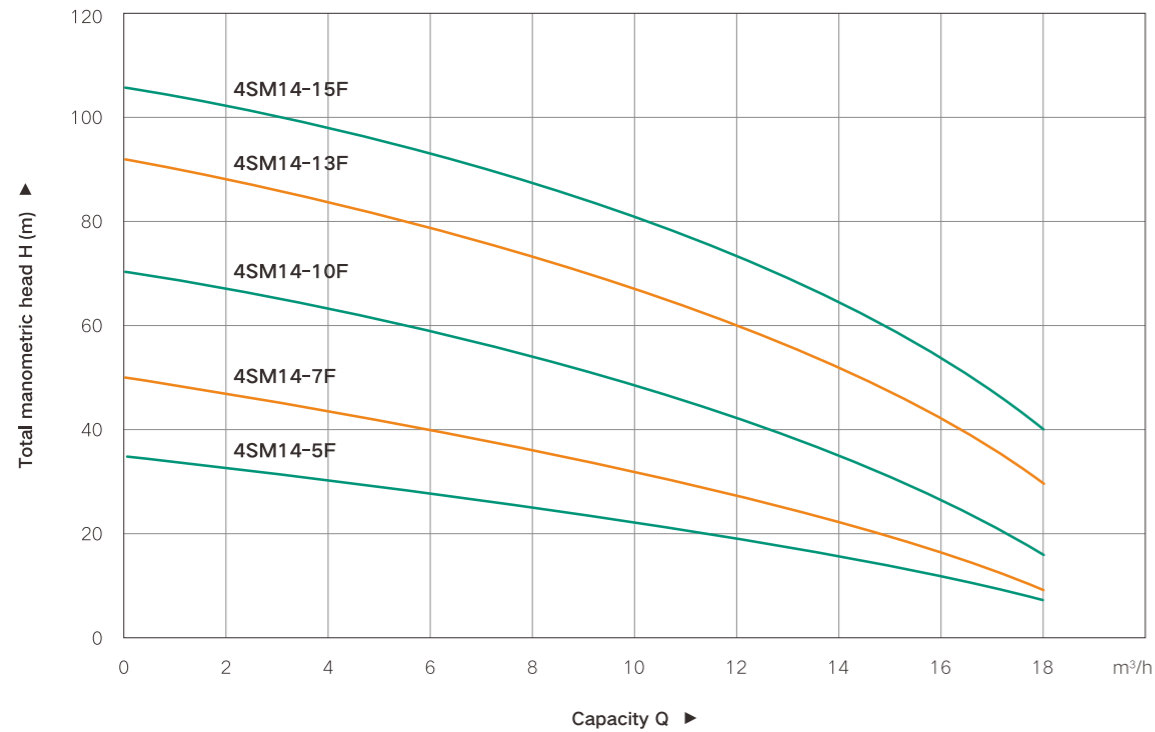
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model	Power		Outlet In	Q m³/h	H(m)												
	kW	HP			0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0		
4SM2-8F	0.37	0.5	1.25"	H(m)	48	47	43	40	37	33	30	27	20	5	-		
4SM2-10F	0.55	0.75	1.25"		60	59	55	50	48	42	38	32	28	17	-		
4SM2-13F	0.75	1	1.25"		78	76	70	64	60	55	48	42	37	24	0		
4SM2-17F	1.1	1.5	1.25"		101	98	91	84	78	72	65	56	45	32	5		
4SM2-21F	1.5	2	1.25"		126	124	114	105	96	88	77	66	58	41	10		
4SM2-25F	2.2	3	1.25"		150	142	130	124	116	102	96	85	77	68	16		
4SM2-28F	2.2	3	1.25"		168	164	155	142	128	117	106	92	81	77	18		
4SM2-32F	3	4	1.25"		190	186	174	160	143	131	122	104	93	79	29		
4SM2-36F	3	4	1.25"		216	213	197	183	165	154	137	118	103	85	41		
4SM2-39F	3	4	1.25"		234	228	211	195	180	163	148	125	110	93	55		
4SM2-42F	4	5.5	1.25"		252	245	225	216	195	177	160	135	118	98	58		
4SM2-46F	4	5.5	1.25"		276	269	251	230	214	193	177	150	131	111	70		
4SM2-50F	5	7	1.25"		300	295	270	251	230	210	186	160	140	120	79		

Model	Power		Outlet In	Q m³/h	H(m)												
	kW	HP			0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0		
4SM3-6F	0.37	0.5	1.25"	H(m)	38	36	34	32	30	28	24	22	21	18	13		
4SM3-9F	0.55	0.75	1.25"		57	55	53	51	45	43	41	38	32	28	20		
4SM3-12F	0.75	1	1.25"		76	73	70	68	63	60	57	52	44	37	28		
4SM3-15F	1.1	1.5	1.25"		94	91	88	85	81	78	73	65	57	48	37		
4SM3-18F	1.1	1.5	1.25"		113	110	108	103	98	90	86	77	69	57	43		
4SM3-20F	1.5	2	1.25"		132	130	128	126	120	114	105	98	83	70	57		
4SM3-23F	2.2	3	1.25"		162	160	158	155	148	138	130	118	103	89	67		
4SM3-25F	2.2	3	1.25"		193	189	183	181	177	165	153	140	123	104	78		
4SM3-28F	3	4	1.25"		228	224	222	217	204	194	183	168	146	122	94		
4SM3-32F	3	4	1.25"		260	258	254	246	233	220	207	190	166	139	107		



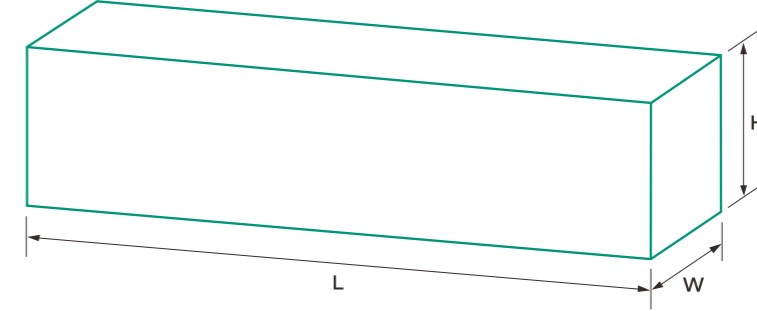
Performance Parameters

Model	Power		Outlet	Q m³/h	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
	kW	HP	In		H(m)													
4SM5-4F	0.37	0.5	1.5"	26	25	27	23	22	21	20	19.5	18	17	16	15	10	7	
4SM5-6F	0.55	0.75	1.5"	39	38	34	36	34	31	30	28	26	24	22	18	15	12	
4SM5-8F	0.75	1	1.5"	53	51	49	45	44	42	40	38	36	33	30	27	24	17	
4SM5-12F	1.1	1.5	1.5"	80	77	71	68	64	62	61	58	55	50	48	46	37	23	
4SM5-17F	1.5	2	1.5"	110	101	97	90	84	81	77	70	64	62	60	56	45	38	
4SM5-21F	2.2	3	1.5"	138	124	119	105	103	101	98	96	90	82	78	68	57	42	
4SM5-25F	2.2	3	1.5"	163	158	142	137	122	118	115	107	102	100	95	83	72	53	
4SM5-29F	3	4	1.5"	188	178	164	156	148	136	130	123	119	110	104	97	85	67	
4SM5-31F	3	4	1.5"	202	179	175	170	167	159	150	143	138	130	128	102	90	70	
4SM5-38F	4	5.5	1.5"	247	138	231	220	211	197	190	178	170	169	143	123	98	77	
4SM5-43F	4	5.5	1.5"	279	268	259	251	241	230	221	209	197	182	164	142	119	81	

Model	Power		Outlet	Q m³/h	0	1	2	3	4	5	6	7	8	9	10	11
	kW	HP	In		H(m)											
4SM8-5F	0.75	1	2"	29	28	26	24	23	21	19	17	16	12	8	5	
4SM8-7F	1.1	1.5	2"	43	41	40	38	36	32	30	27	25	18	13	8	
4SM8-10F	1.5	2	2"	62	58	54	52	45	43	41	36	31	22	19	12	
4SM8-12F	2.2	3	2"	75	71	66	61	56	51	48	45	40	34	26	18	
4SM8-15F	2.2	3	2"	94	88	83	78	71	68	62	58	51	45	34	25	
4SM8-18F	3	4	2"	112	105	98	90	83	78	73	68	59	48	39	28	
4SM8-21F	4	5.5	2"	130	121	113	106	99	94	88	82	72	66	46	30	
4SM8-25F	4	5.5	2"	156	148	137	128	120	112	107	98	87	72	56	35	
4SM8-30F	5.5	7.5	2"	187	178	166	156	147	139	133	124	112	108	79	54	

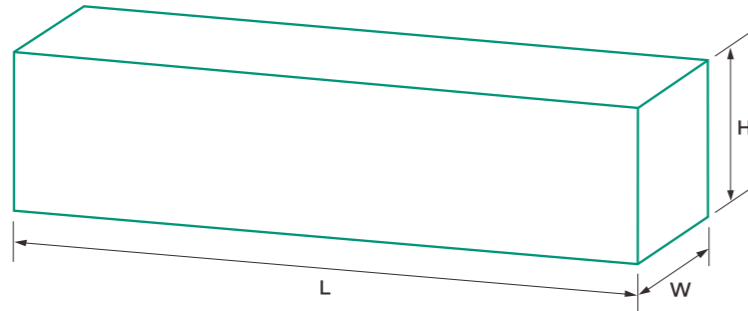
Model	Power		Outlet	Q m³/h	0	2	4	6	8	10	12	14	16	18
	kW	HP	In		H(m)									
4SM14-5F	1.5	2	2"	35	33	31	29	27	22	18	15	12	7	
4SM14-7F	2.2	3	2"	49	46	43	41	36	32	29	25	18	10	
4SM14-10F	3	4	2"	70	66	63	58	53	48	42	35	26	16	
4SM14-13F	4	5.5	2"	91	87	83	79	75	67	61	55	45	32	
4SM14-15F	5.5	7	2"	105	101	97	91	88	81	73	65	52	40	

Package Dimensions



Model	Whole package size			Split package size					
	W	H	L	Square paper tube			Wooden box		
				W	H	L	W	H	L
4SM2-8F	145	150	950	-	-	-	-	-	-
4SM2-10F	145	150	1000	-	-	-	-	-	-
4SM2-13F	145	150	1090	-	-	-	-	-	-
4SM2-17F	145	150	1210	-	-	-	-	-	-
4SM2-21F	145	150	1320	-	-	-	-	-	-
4SM2-25F	145	150	1460	-	-	-	-	-	-
4SM2-28F	145	150	1520	-	-	-	-	-	-
4SM2-32F	145	150	970	-	-	-	145	150	635
4SM2-36F	145	150	1060	-	-	-	145	150	635
4SM2-39F	145	150	1120	-	-	-	145	150	635
4SM2-42F	145	150	1180	-	-	-	145	150	725
4SM2-46F	145	150	1270	-	-	-	145	150	725
4SM2-50F	145	150	1350	-	-	-	145	150	780
4SM3-6F	145	150	900	-	-	-	-	-	-
4SM3-9F	145	150	980	-	-	-	-	-	-
4SM3-12F	145	150	1060	-	-	-	-	-	-
4SM3-15F	145	150	1165	-	-	-	-	-	-
4SM3-18F	145	150	1230	-	-	-	-	-	-
4SM3-20F	145	150	1290	-	-	-	-	-	-
4SM3-23F	145	150	1410	-	-	-	-	-	-
4SM3-25F	145	150	1450	-	-	-	-	-	-
4SM3-28F	145	150	890	-	-	-	145	150	635
4SM3-32F	145	150	980	-	-	-	145	150	635

Package Dimensions



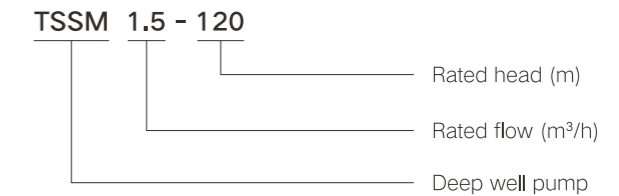
Model	Whole package size			Split package size					
	W	H	L	Square paper tube			Wooden box		
				W	H	L	W	H	L
4SM5-4F	145	150	870	-	-	-	-	-	-
4SM5-6F	145	150	940	-	-	-	-	-	-
4SM5-8F	145	150	1000	-	-	-	-	-	-
4SM5-12F	145	150	1140	-	-	-	-	-	-
4SM5-17F	145	150	1280	-	-	-	-	-	-
4SM5-21F	145	150	1440	-	-	-	-	-	-
4SM5-25F	145	150	1530	-	-	-	-	-	-
4SM5-29F	145	150	1000	-	-	-	145	150	635
4SM5-31F	145	150	1040	-	-	-	145	150	635
4SM5-38F	145	150	1220	-	-	-	145	150	725
4SM5-43F	145	150	1340	-	-	-	145	150	725
4SM8-5F	145	150	980	-	-	-	-	-	-
4SM8-7F	145	150	1075	-	-	-	-	-	-
4SM8-10F	145	150	1180	-	-	-	-	-	-
4SM8-12F	145	150	1300	-	-	-	-	-	-
4SM8-15F	145	150	1380	-	-	-	-	-	-
4SM8-18F	145	150	830	-	-	-	145	150	635
4SM8-21F	145	150	920	-	-	-	145	150	725
4SM8-25F	145	150	1030	-	-	-	145	150	725
4SM8-30F	145	150	1170	-	-	-	145	150	805
4SM14-5F	145	150	1110	-	-	-	-	-	-
4SM14-7F	145	150	1250	-	-	-	-	-	-
4SM14-10F	145	150	750	-	-	-	145	150	635
4SM14-13F	145	150	880	-	-	-	145	150	725
4SM14-15F	145	150	960	-	-	-	145	150	805

TSSM

Deep Well Pump



Model Meaning



Applications

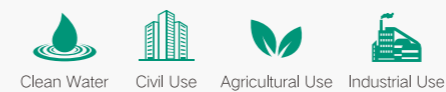
- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

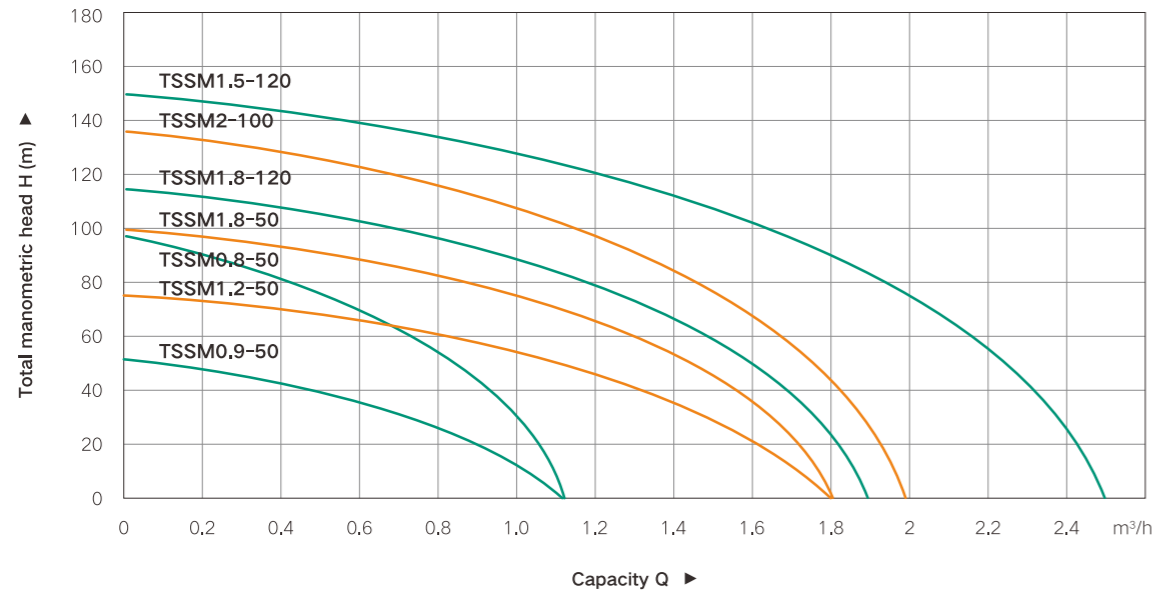
- Max. water temperature: 40 °C
- pH value: 6.5 - 8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

- Standard oil-immersed single-phase motor
- Wear-resistant and sand-resistant pump body
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz



Performance Curve



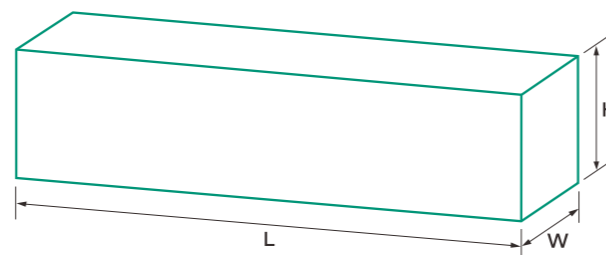
Performance Parameters

Model	Power		Max.flow m³/h	Max.head m	Outlet size In	Pump diameter In
	kW	HP				
TSSM0.9-50	0.2	0.27	1.1	53	0.5"	2
TSSM0.8-50	0.37	0.5	1.1	98	1"	3
TSSM1.2-50	0.37	0.5	1.8	75	1"	4
TSSM1.8-50	0.55	0.75	1.8	100	1"	4
TSSM1.8-120	0.55	0.75	1.9	115	1"	3
TSSM2-100	0.75	1	2	137	1"	4
TSSM1.5-120	1.1	1.5	2.5	150	1"	4

Stainless Steel For: Outlet, Screw, Bolt, hang-rings

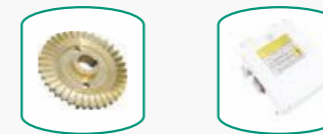
Package Dimensions

Model	W	H	L
	mm	mm	mm
TSSM0.9-50	145	200	650
TSSM0.8-50	145	200	615
TSSM1.2-50	145	185	585
TSSM1.8-50	145	185	605
TSSM1.8-120	145	185	700
TSSM2-100	145	185	665
TSSM1.5-120	145	185	700



4SKM

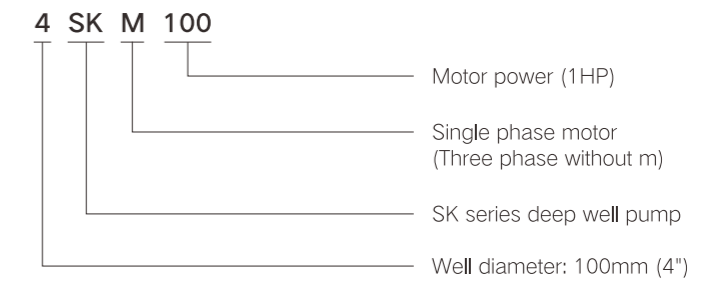
Deep Well Pump



Brass Impeller



Model Meaning



Application

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

Operating Conditions

- Maximum fluid temperature up to +40 °C
- Maximum sand content: 0.15%
- Maximum immersion: 50 m
- Minimum well diameter: 4"

Motor and Pump

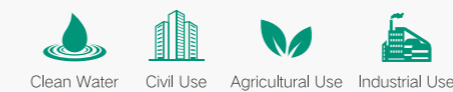
- Rewindable motor
- Single-phase: 170V~240V/50Hz
- Three-phase: 350V~415V/50Hz
- Equip with start control box or digital auto-control box
- Curve tolerance according to ISO 2548

Options on Request

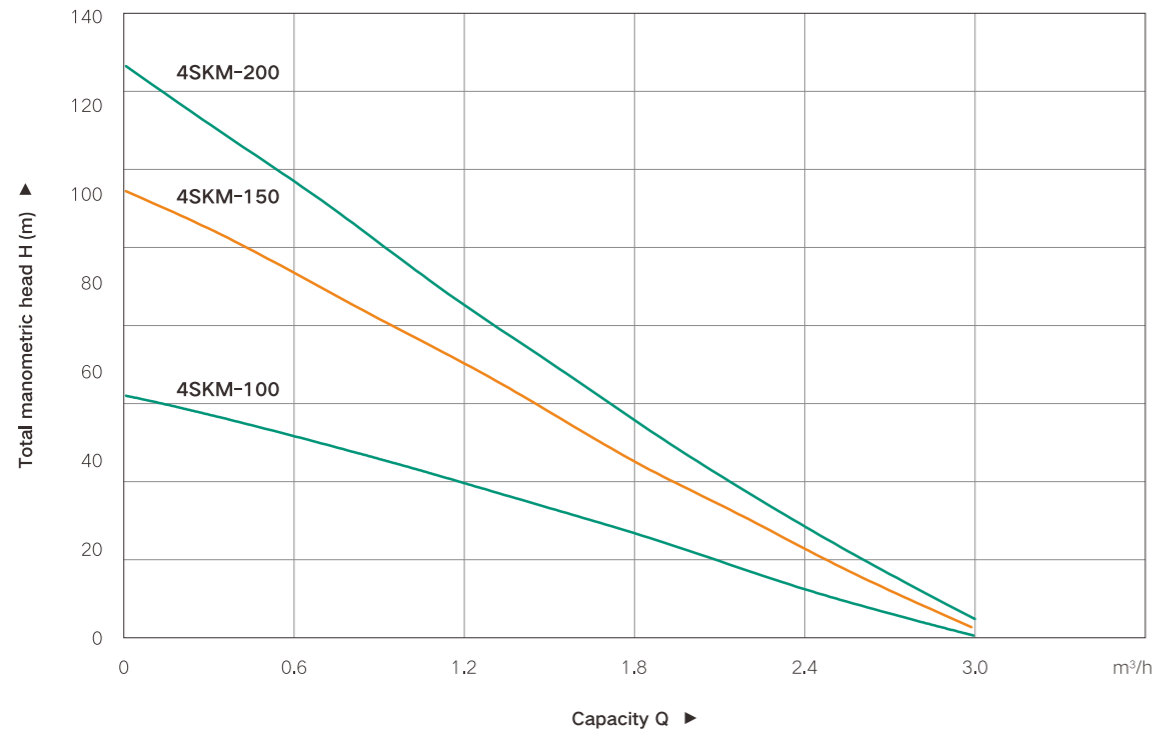
- Special mechanical seal

Warranty: 1 year

- (according to our general sales conditions)



Performance Curve

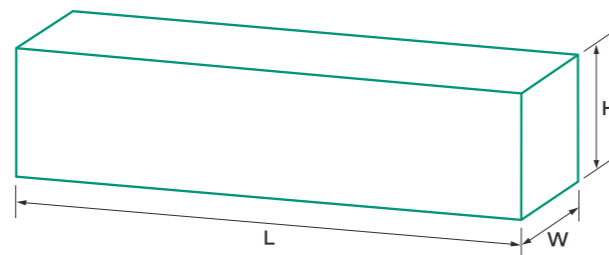


Performance Parameters

Model	Power		Outlet In	Q m³/h	Capacity Q (m³/h)												
	kW	HP			0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0		
4SKM-100	0.75	1	1"	H(m)	55	52	46	40	34	29	22	16	12	7	4		
4SKM-150	1.1	1.5	1"		100	89	79	69	59	48	38	28	18	11	6		
4SKM-200	1.5	2	1"		125	115	99	75	67	58	43	30	19	12	7		

Package Dimensions

Model	W	H	L
	mm	mm	mm
4SKM-100	145	310	535
4SKM-150	145	310	660
4SKM-200	145	310	700

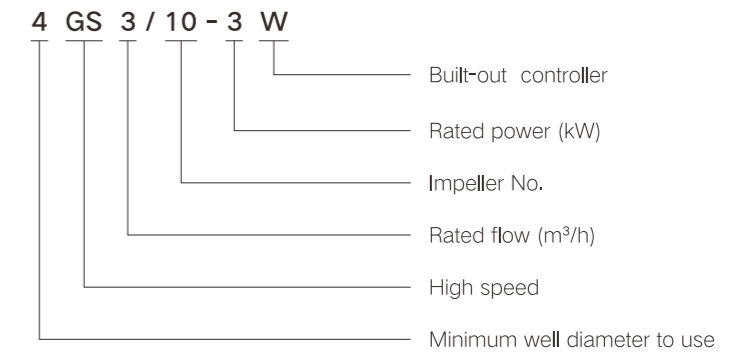


4GS

High Speed Deep Well Pump



Model Meaning

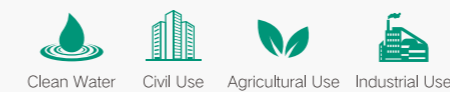


Product Description

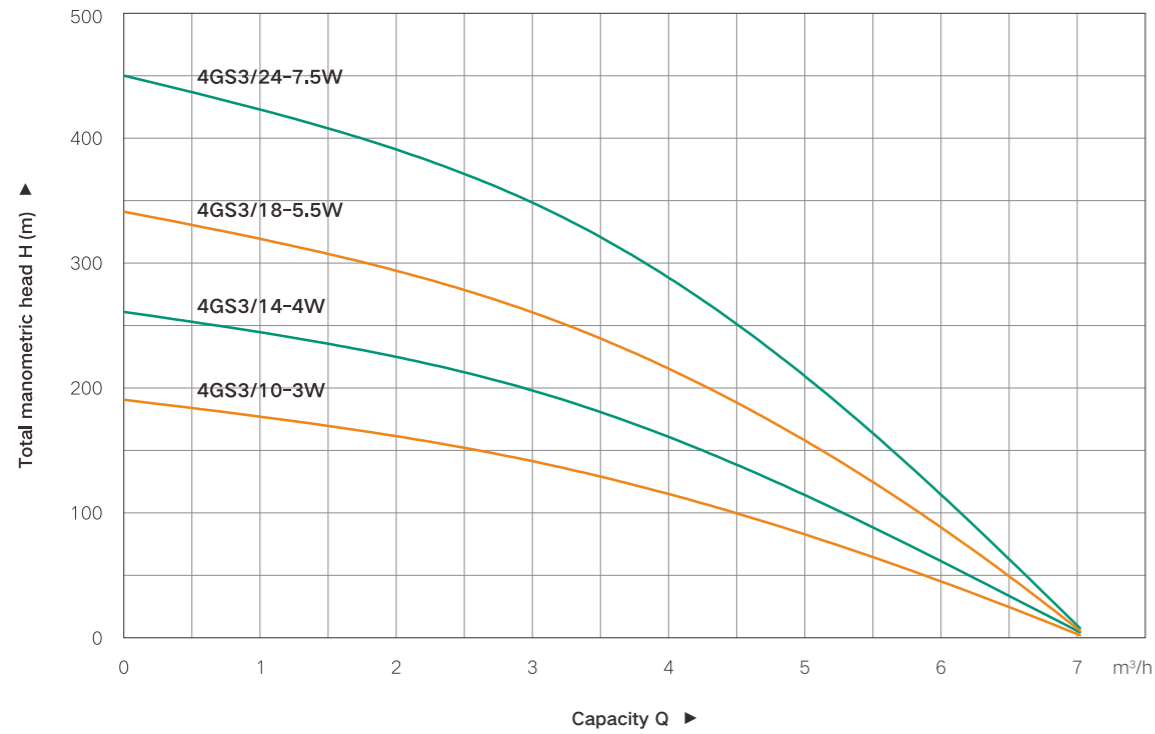
- Due to the high motor speed and the multi-stage impeller structure, the high-speed electric pump has the characteristics of small size, light weight and high lift. It is widely used in farmland irrigation and drainage, water tower supply, urban construction, industrial and mining enterprises, etc.
- Easy to use: small size, light weight, to ensure the convenience of the user to use the pump
- Pump safety: external inverter, intelligent control, to ensure the safety of the user's pump
- Water safety: the overall stainless steel 304, beautiful and elegant, more corrosion-resistant stainless, to ensure customer water safety

Conditions of Use

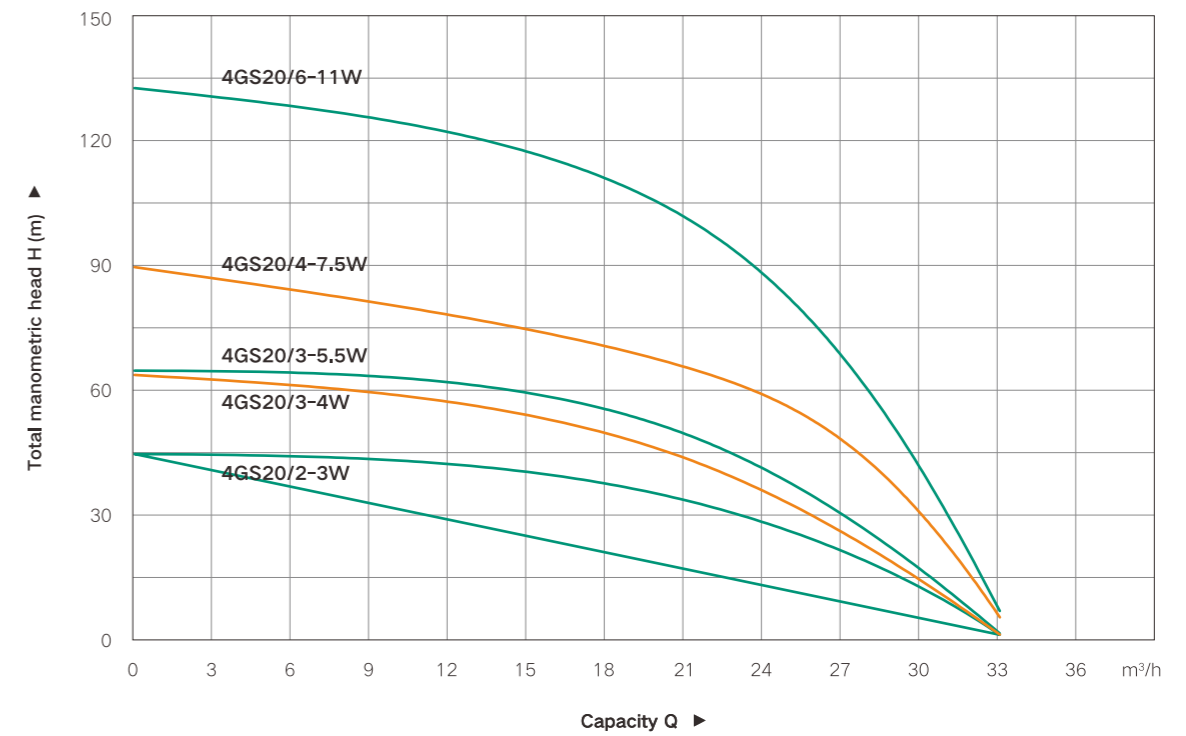
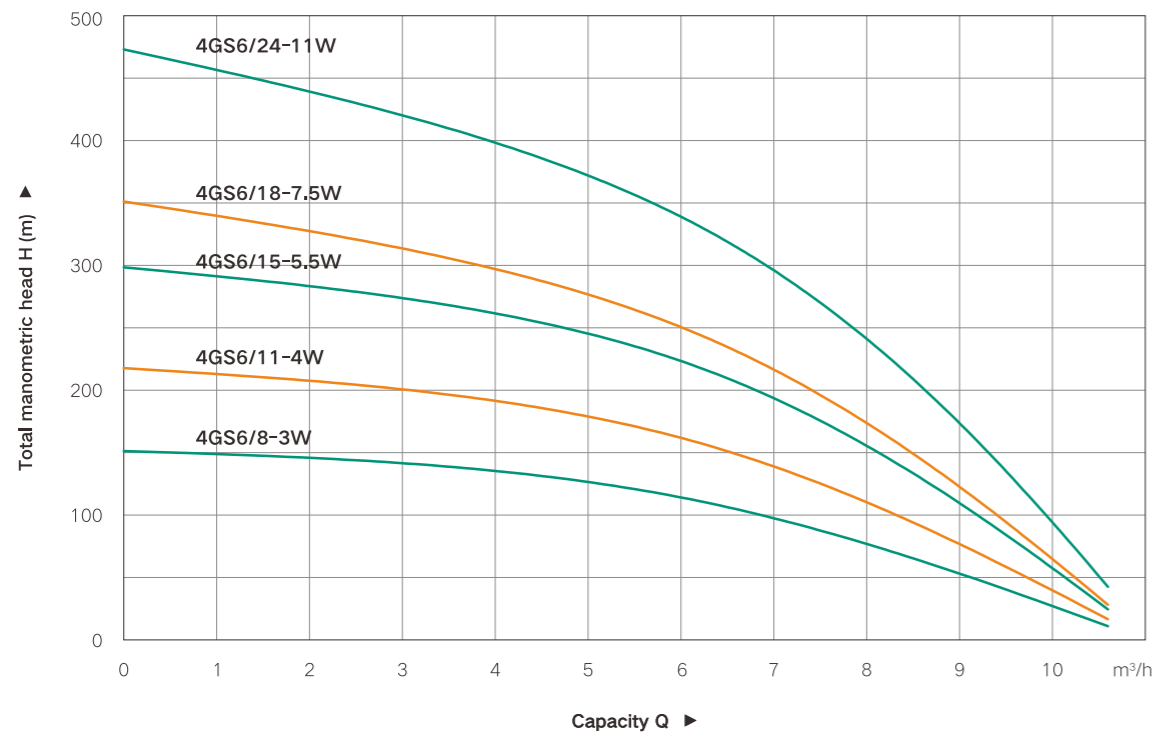
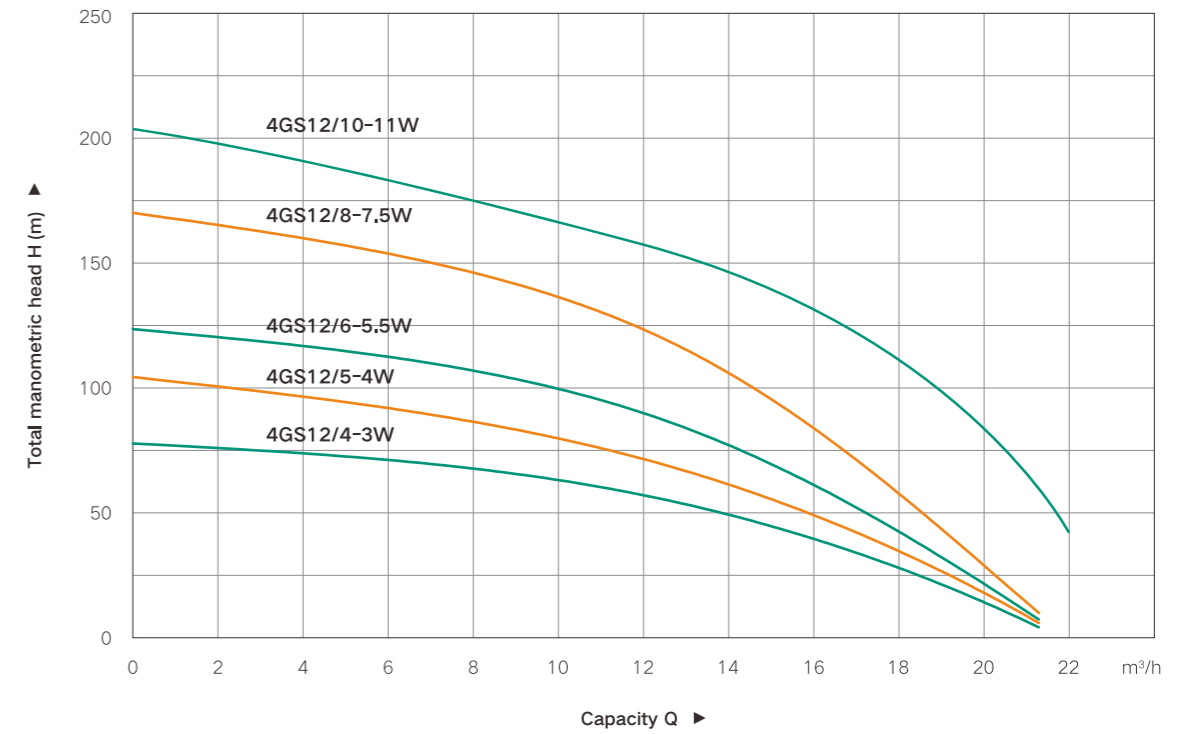
- Ambient temperature does not exceed +10 °C
- The PH value of the medium is between 6.5 - 8.5
- Solid content (by mass fraction) not more than 0.01 %
- The submerged depth of the pump is not more than 70m, not less than 5m
- The power frequency is 50Hz, the voltage three-phase AC is 380V, and the voltage fluctuation range is 300V~420V
- The content of hydrogen sulfide is not more than 1.5mg/L, and the content of chloride ions is not more than 400 mg/L



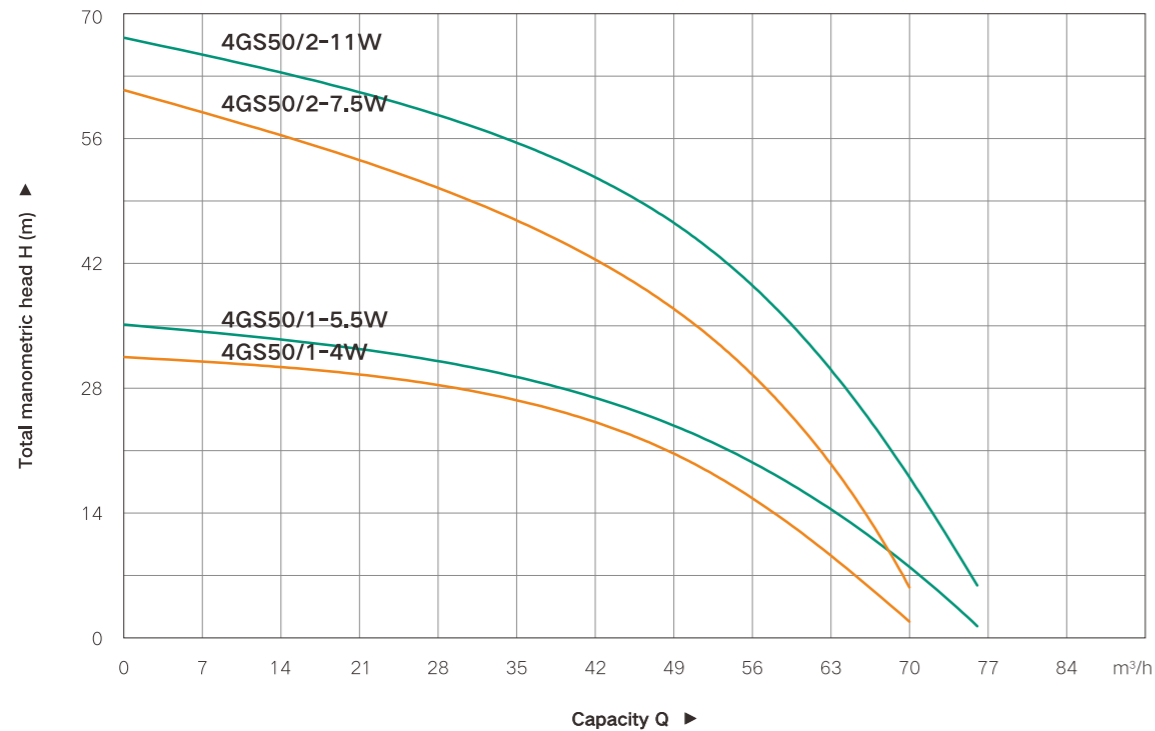
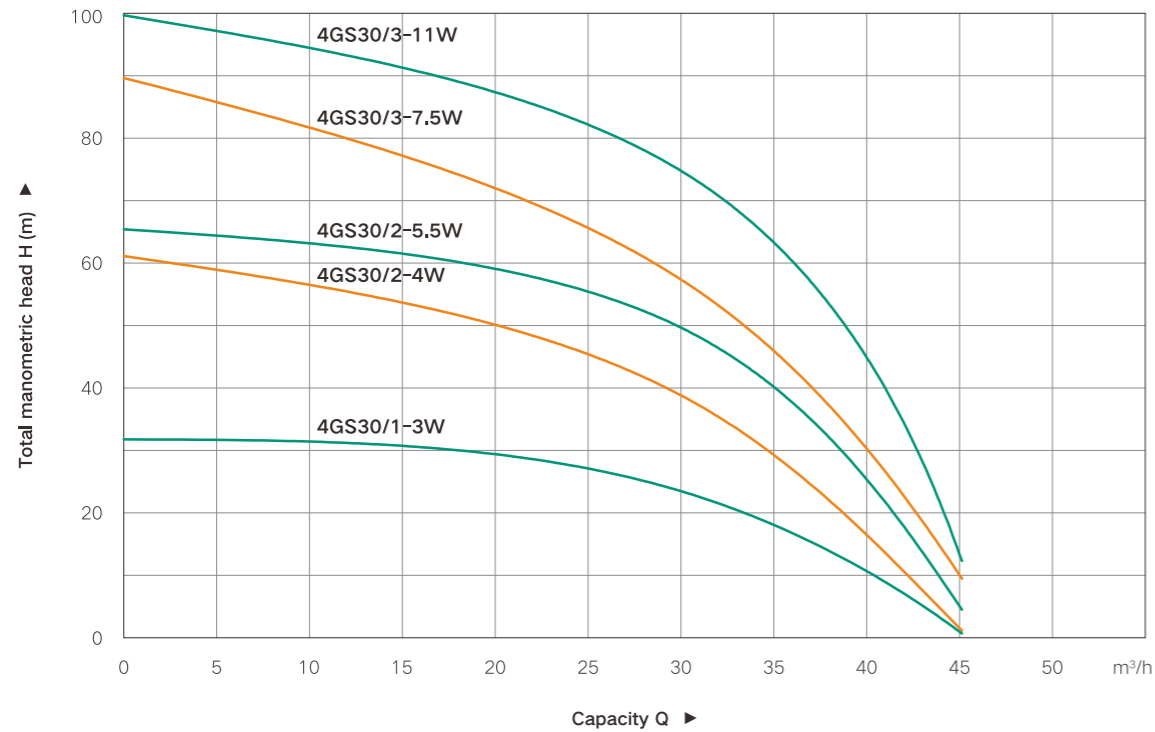
Performance Curve



Performance Curve



Performance Curve



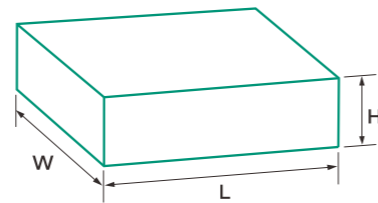
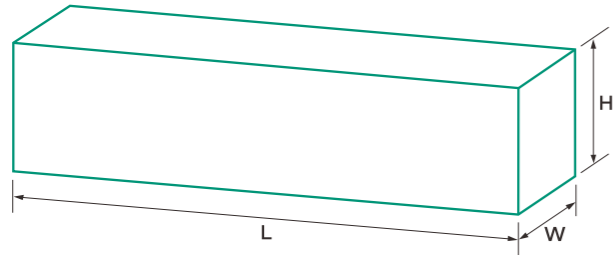
Performance Parameters

Model	Power		Max.flow	Max.head	Outlet size	Pump diameter
	kW	HP	m³/h	m	In	In
4GS3/10-3W	3	4	7	190	1,25	4
4GS3/14-4W	4	5.5	7	266	1,25	4
4GS3/18-5.5W	5.5	7.5	7	342	1,25	4
4GS3/24-7.5W	7.5	10	7	456	1,25	4
4GS6/8-3W	3	4	10.5	159	1,25	4
4GS6/11-4W	4	5.5	10.5	218	1,25	4
4GS6/15-5.5W	5.5	7.5	10.5	297	1,25	4
4GS6/18-7.5W	7.5	10	10.5	355	1,25	4
4GS6/24-11W	11	15	10.5	475	1,25	4
4GS12/4-3W	3	4	21	83	2	4
4GS12/5-4W	4	5.5	21	105	2	4
4GS12/6-5.5W	5.5	7.5	21	125	2	4
4GS12/8-7.5W	7.5	10	21	168	2	4
4GS12/10-11W	11	15	21	215	2	4
4GS20/2-3W	3	4	33	45	2	4
4GS20/3-4W	4	5.5	33	66	2	4
4GS20/3-5.5W	5.5	7.5	33	66	2	4
4GS20/4-7.5W	7.5	10	33	88	2	4
4GS20/6-11W	11	15	33	132	2	4
4GS30/1-3W	3	4	45	32	3	4
4GS30/2-4W	4	5.5	45	62	3	4
4GS30/2-5.5W	5.5	7.5	45	65	3	4
4GS30/3-7.5W	7.5	10	45	90	3	4
4GS30/3-11W	11	15	45	98	3	4
4GS50/1-4W	4	5.5	70	31	3	4
4GS50/1-5.5W	5.5	7.5	76	34	3	4
4GS50/2-7.5W	7.5	10	70	61	3	4
4GS50/2-11W	11	15	76	67	3	4

W: External controller N: Built-in controller



Package Dimensions



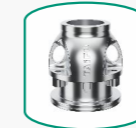
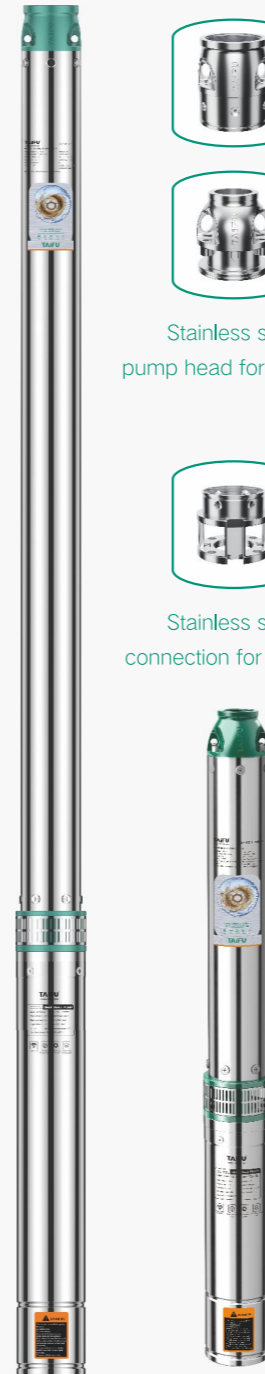
Honeycomb box for external controller

Model	W	H	L
	mm	mm	mm
4GS3/10-3W	130	130	900
4GS3/14-4W	130	130	990
4GS3/18-5.5W	130	130	1100
4GS3/24-7.5W	130	130	1280
4GS6/8-3W	130	130	860
4GS6/11-4W	130	130	960
4GS6/15-5.5W	130	130	1080
4GS6/18-7.5W	130	130	1210
4GS6/24-11W	130	130	1400
4GS12/4-3W	130	130	800
4GS12/5-4W	130	130	860
4GS12/6-5.5W	130	130	910
4GS12/8-7.5W	130	130	1030
4GS12/10-11.0W	130	130	1140
4GS20/2-3W	130	130	800
4GS20/3-4W	130	130	870
4GS20/3-5.5W	130	130	890
4GS20/4-7.5W	130	130	1000
4GS20/6-11W	130	130	1130
4GS30/1-3W	130	130	760
4GS30/2-4W	130	130	835
4GS30/2-5.5W	130	130	860
4GS30/3-7.5W	130	130	965
4GS30/3-11W	130	130	1020
4GS50/1-4W	130	130	835
4GS50/1-5.5W	130	130	855
4GS50/2-7.5W	130	130	1005
4GS50/2-11W	130	130	1060

Model	W	H	L
	mm	mm	mm
4GS3/10-3W	410	210	510
4GS3/14-4W	410	210	510
4GS3/18-5.5W	410	210	510
4GS3/24-7.5W	410	210	510
4GS6/8-3W	410	210	510
4GS6/11-4W	410	210	510
4GS6/15-5.5W	410	210	510
4GS6/18-7.5W	410	210	510
4GS6/24-11W	410	210	510
4GS12/4-3W	410	210	510
4GS12/5-4W	410	210	510
4GS12/6-5.5W	410	210	510
4GS12/8-7.5W	410	210	510
4GS12/10-11.0W	410	210	510
4GS20/2-3W	410	210	510
4GS20/3-4W	410	210	510
4GS20/3-5.5W	410	210	510
4GS20/4-7.5W	410	210	510
4GS20/6-11W	410	210	510
4GS30/1-3W	410	210	510
4GS30/2-4W	410	210	510
4GS30/2-5.5W	410	210	510
4GS30/3-7.5W	410	210	510
4GS30/3-11W	410	210	510
4GS50/1-4W	410	210	510
4GS50/1-5.5W	410	210	510
4GS50/2-7.5W	410	210	510
4GS50/2-11W	410	210	510

5KSE

Oil-immersed Deep Well Pump

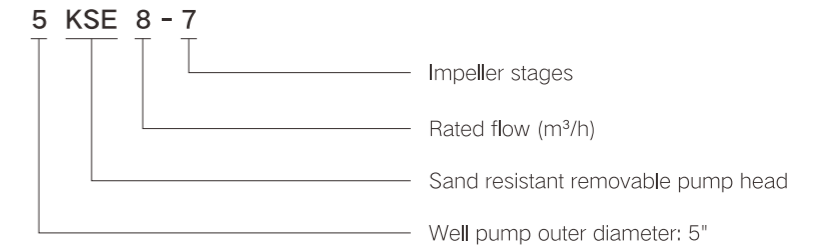


Stainless steel pump head for optional



Stainless steel connection for optional

Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

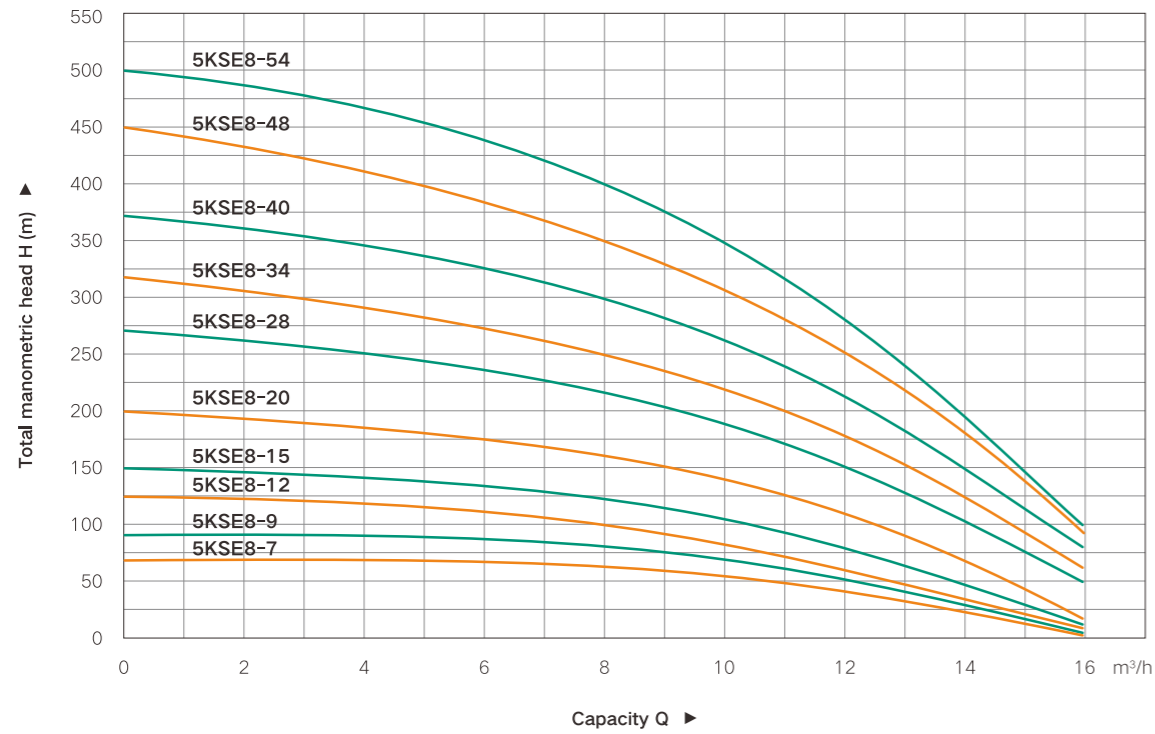
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

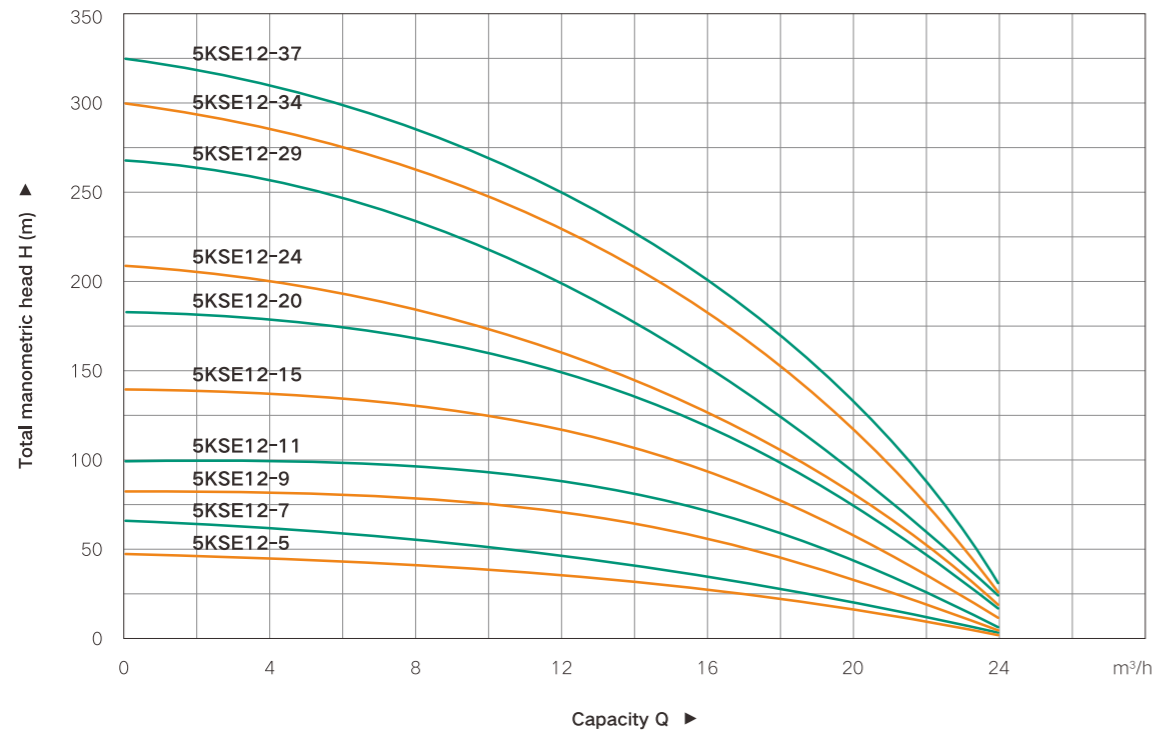
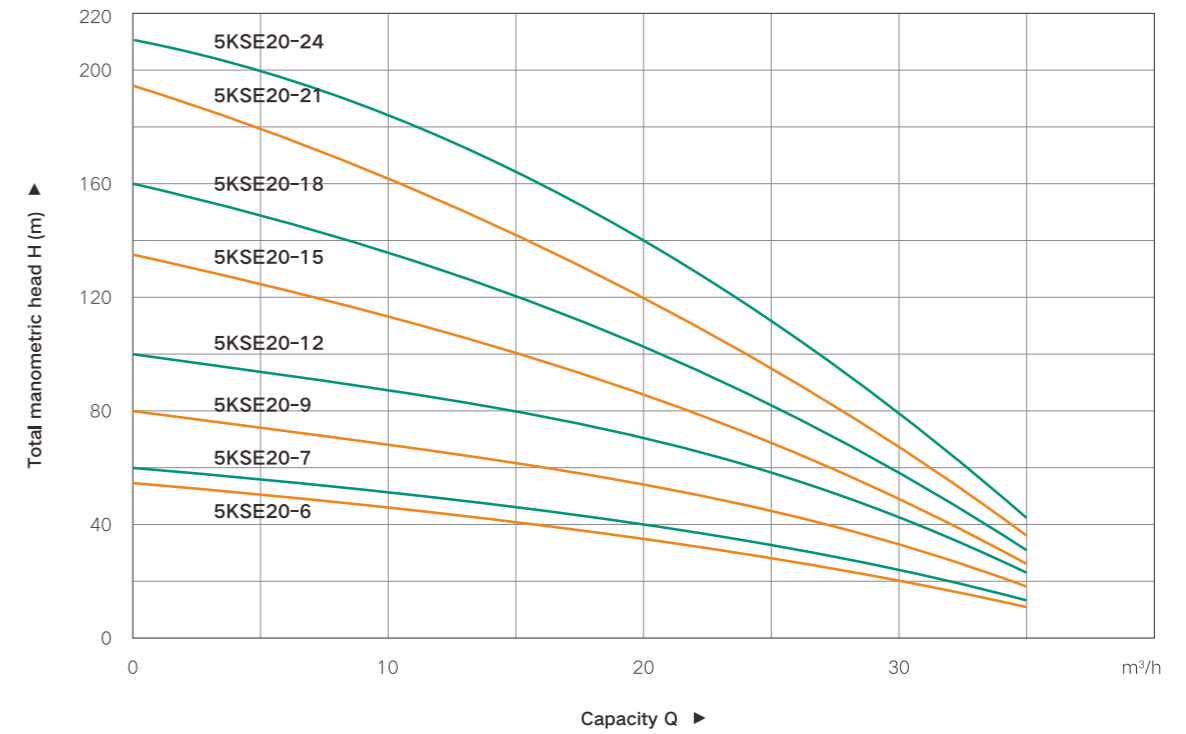
- Standard oil-immersed single-phase motor
- Wear-resistant and sand-resistant pump body
- Three phase: 350V~415V/50Hz



Performance Curve



Performance Curve



Performance Parameters

Model	Power		Outlet diameter (In)	Outlet diameter (mm)	Flow (m ³ /h)	0	2	4	6	8	10	12	14
	kW	HP											
Three-phase(380V)													
5KSE8-7	1.5	2	1.75"	132	H(m)	70	66	64	62	60	50	32	20
5KSE8-9	2.2	3	1.75"	132		90	87	85	83	80	63	40	25
5KSE8-12	3	4	1.75"	132		125	120	110	105	100	85	61	43
5KSE8-15	4	5.5	1.75"	132		150	142	132	127	120	100	68	48
5KSE8-20	5.5	7.5	1.75"	132		200	190	180	170	160	130	90	56
5KSE8-28	7.5	10	1.75"	132		270	260	250	240	220	185	138	95
5KSE8-34	9.2	12.5	1.75"	132		320	297	285	268	250	200	171	120
5KSE8-40	11	15	1.75"	132		370	348	331	312	300	249	200	143
5KSE8-48	13	17.5	1.75"	132		450	414	396	373	350	298	238	170
5KSE8-54	15	20	1.75"	132	500	468	446	420	400	336	270	190	

※ Outer diameter size with wire clamp

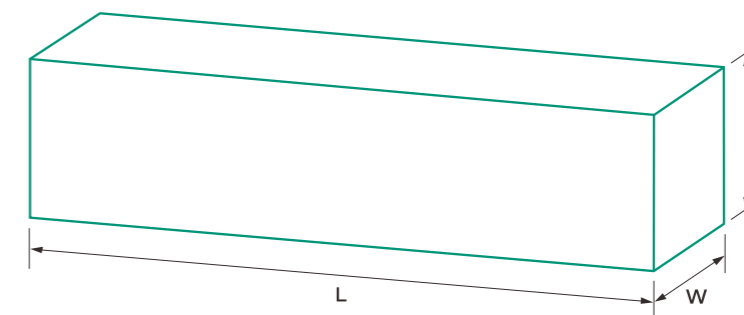
Model	Power		Outlet diameter (In)	Outlet diameter (mm)	Flow (m ³ /h)	0	6	8	10	12	14	16	18	24
	kW	HP												
Three-phase(380V)														
5KSE12-5	1.5	2	2"	132	H(m)	50	46	44	42	35	34	27	23	6
5KSE12-7	2.2	3	2"	132		60	55	52	48	45	41	36	31	8
5KSE12-9	3	4	2"	132		80	72	68	64	60	54	47	41	11
5KSE12-11	4	5.5	2"	132		100	92	88	84	80	71	58	50	13
5KSE12-15	5.5	7.5	2"	132		140	126	119	112	105	91	79	68	18
5KSE12-20	7.5	10	2"	132		180	169	162	157	150	135	115	91	23
5KSE12-24	9.2	12.5	2"	132		210	187	180	170	160	145	126	105	28
5KSE12-29	11	15	2"	132		260	226	216	202	200	172	144	132	31
5KSE12-34	13	17.5	2"	132		300	265	255	242	230	205	179	149	36
5KSE12-37	15	20	2"	132		325	289	278	262	250	224	195	168	42

※ Outer diameter size with wire clamp

Model	Power		Outlet diameter (In)	Outlet diameter (mm)	Flow (m ³ /h)	0	5	10	15	20	25	30	35
	kW	HP											
Three-phase(380V)													
5KSE20-6	3	4	3"	135	H(m)	55	50	48	41	35	30	20	15
5KSE20-7	4	5.5	3"	135		60	55	52	48	40	33	23	16
5KSE20-9	5.5	7.5	3"	135		80	75	70	62	52	45	32	18
5KSE20-12	7.5	10	3"	135		100	95	87	80	70	58	42	22
5KSE20-15	9.2	12.5	3"	135		135	125	115	100	85	70	50	25
5KSE20-18	11	15	3"	135		160	150	135	120	105	82	58	30
5KSE20-21	13	17.5	3"	135		195	179	162	142	120	95	69	38
5KSE20-24	15	20	3"	135		210	200	185	165	140	112	80	42

※ Outer diameter size with wire clamp

Package Dimensions



Model	Whole package size			Split package size						G.W	
	W	H	L	Square paper tube			Wooden box			Pump	Motor
				W	H	L	W	H	L		
5KSE8-7	160	160	1070	-	-	-	-	-	-	31	-
5KSE8-9	160	160	1170	-	-	-	-	-	-	34.25	-
5KSE8-12	160	160	1360	-	-	-	-	-	-	38.1	-
5KSE8-15	160	160	1500	-	-	-	-	-	-	43.1	-
5KSE8-20	-	-	-	140	145	1180	160	160	720	19	34
5KSE8-28	-	-	-	140	145	1530	160	160	780	24	38
5KSE8-34	-	-	-	140	145	1430	160	160	860	28	46
5KSE8-40	-	-	-	140	145	2150	160	160	950	32	53
5KSE8-48	-	-	-	140	145	2500	160	160	1000	37	58
5KSE8-54	-	-	-	140	145	2890	160	160	1050	43	62
5KSE12-5	160	160	1030	-	-	-	-	-	-	33.1	-
5KSE12-7	160	160	1140	-	-	-	-	-	-	35.8	-
5KSE12-9	160	160	1270	-	-	-	-	-	-	38.32	-
5KSE12-11	160	160	1420	-	-	-	-	-	-	42.2	-
5KSE12-15	-	-	-	140	145	1050	160	160	720	17	34
5KSE12-20	-	-	-	140	145	1320	160	160	780	19	38
5KSE12-24	-	-	-	140	145	1540	160	160	860	22	46
5KSE12-29	-	-	-	140	145	1770	160	160	950	25	53
5KSE12-34	-	-	-	140	145	2120	160	160	1000	28	58
5KSE12-37	-	-	-	140	145	2300	160	160	1050	31	62
5KSE20-6	160	160	1360	-	-	-	-	-	-	39	-
5KSE20-7	160	160	1470	-	-	-	-	-	-	43	-
5KSE20-9	-	-	-	140	145	1100	160	160	720	17	34
5KSE20-12	-	-	-	140	145	1360	160	160	780	20	38
5KSE20-15	-	-	-	140	145	1630	160	160	860	25	46
5KSE20-18	-	-	-	140	145	1890	160	160	950	28	53
5KSE20-21	-	-	-	140	145	2150	160	160	1000	32	58
5KSE20-24	-	-	-	140	145	2420	160	160	1050	35	62

6SE

Oil-immersed Deep Well Pump



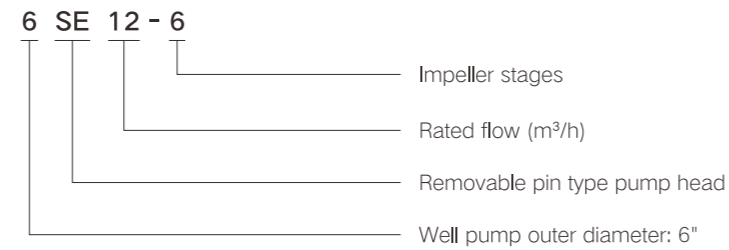
Stainless steel pump head for optional



Stainless steel connection for optional



Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

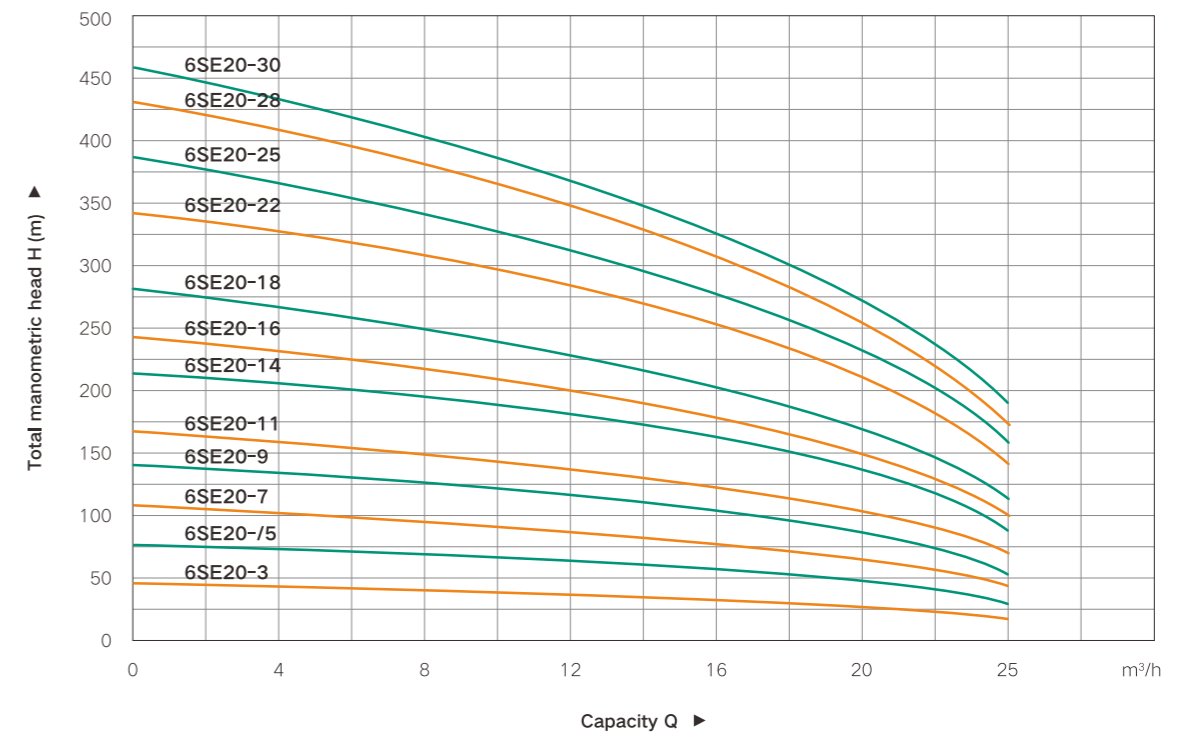
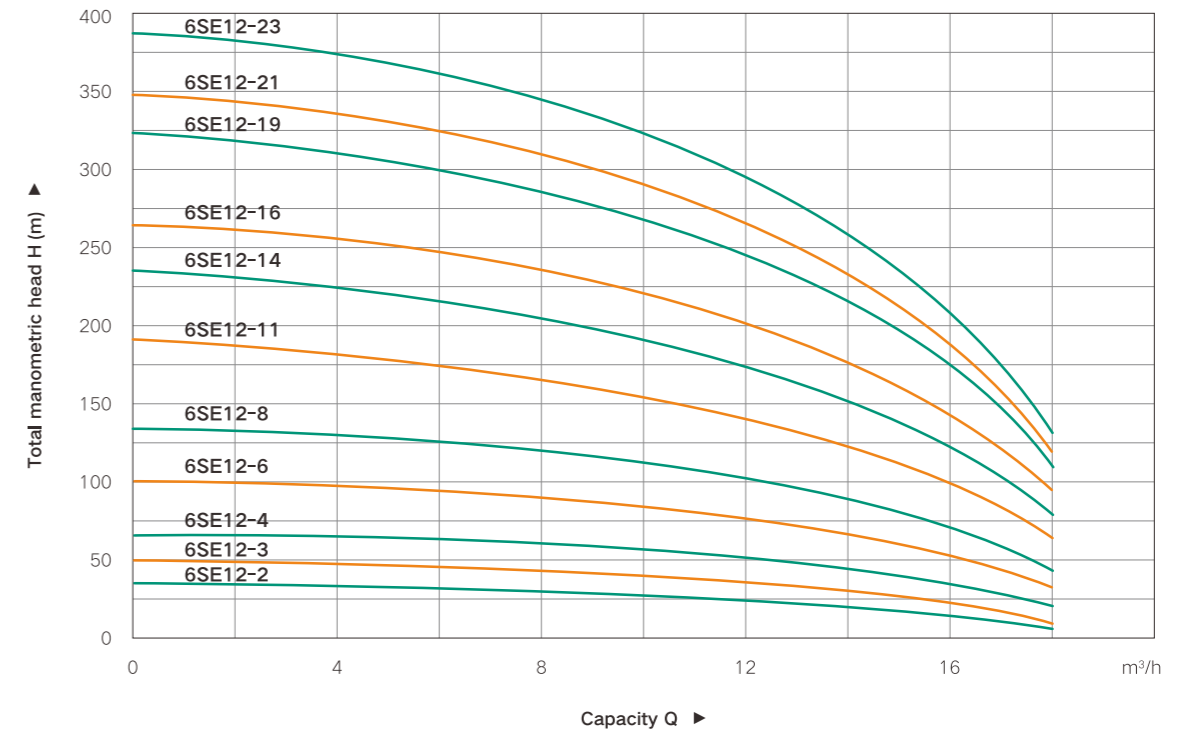
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

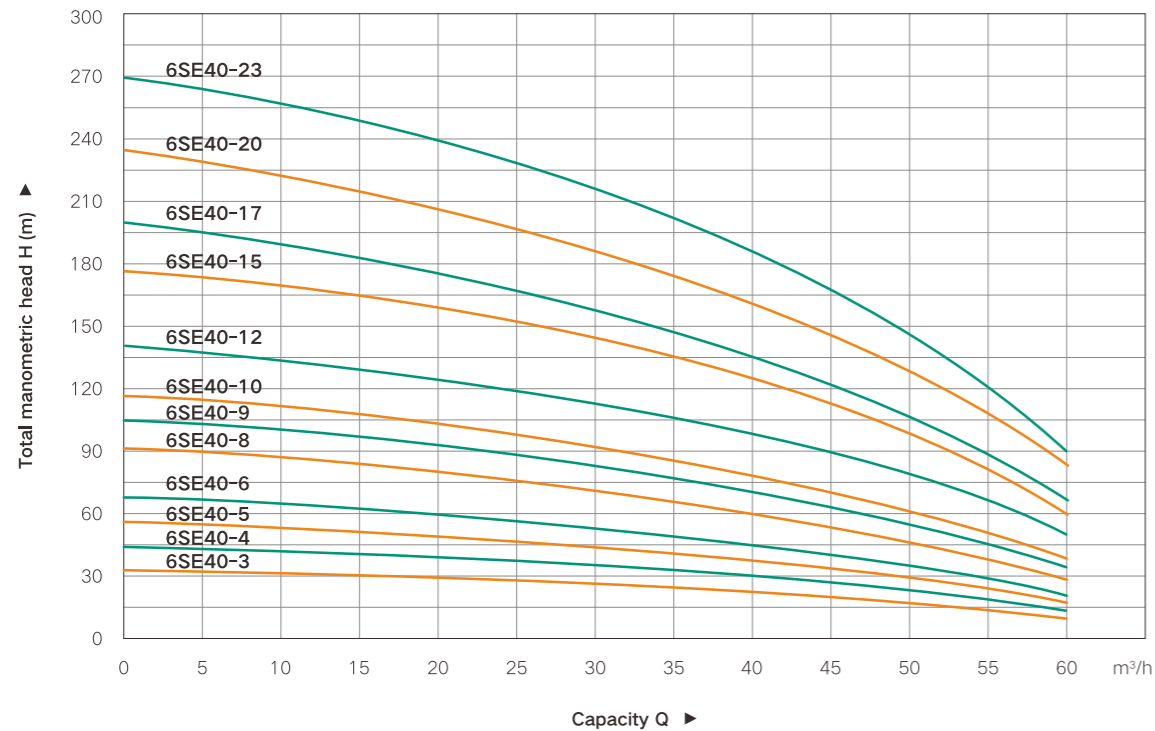
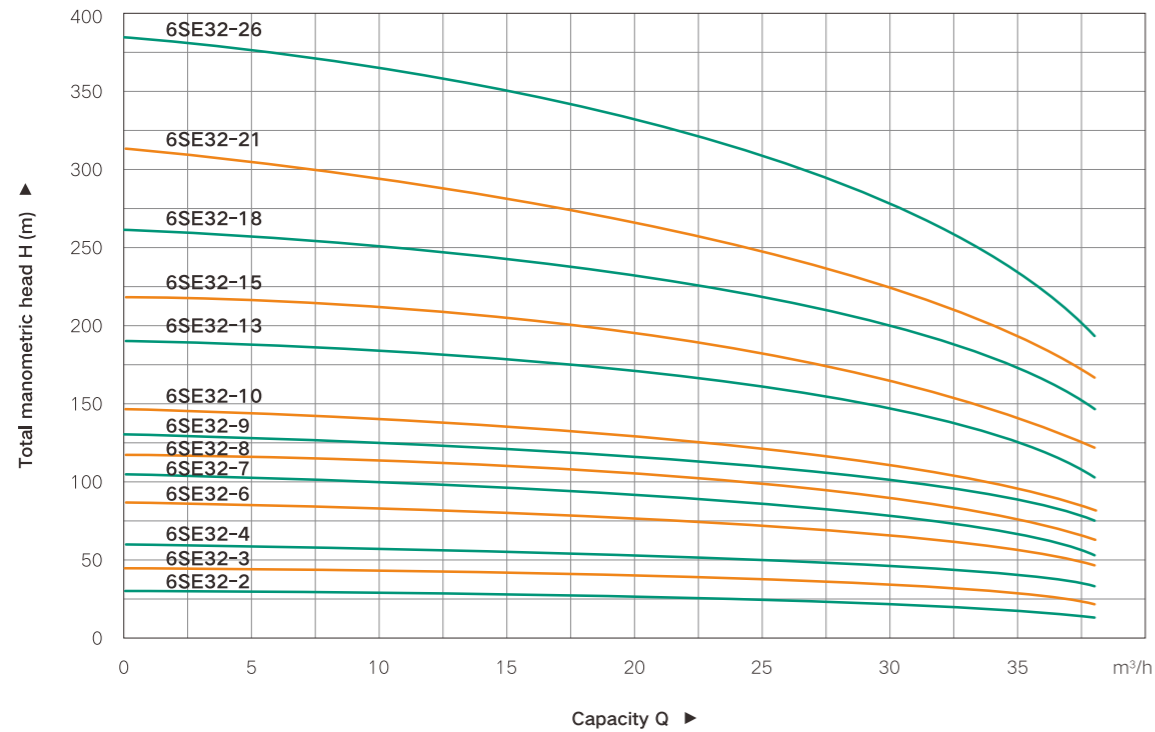
- Standard oil-immersed three-phase motor
- Wear-resistant and sand-resistant pump body
- Three phase: 350V~415V/50Hz



Performance Curve



Performance Curve



Performance Parameters

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	Three-phase(380V)	kW				HP	0	6	8	10	12	14	16
6SE12-2	1.5	2	2.5"	6"	H(m)	33	31	30	27	26	21	16	9
6SE12-3	2.2	3	2.5"	6"		50	45	44	41	39	31	24	10
6SE12-4	3	4	2.5"	6"		66	61	59	56	52	43	36	20
6SE12-6	4	5.5	2.5"	6"		99	92	89	84	77	65	50	32
6SE12-8	5.5	7.5	2.5"	6"		132	122	116	110	104	88	68	42
6SE12-11	7.5	10	2.5"	6"		183	171	164	155	143	122	100	68
6SE12-14	9.2	12.5	2.5"	6"		232	217	200	194	172	151	120	80
6SE12-16	11	15	2.5"	6"		264	247	230	224	200	177	140	98
6SE12-19	13	17.5	2.5"	6"		324	296	283	265	243	210	169	116
6SE12-21	15	20	2.5"	6"		348	328	313	290	268	236	190	120
6SE12-23	18.5	25	2.5"	6"		384	359	343	321	293	250	200	130

※ Outer diameter size with wire clamp

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	Three-phase(380V)	kW				HP	0	12	14	16	18	20	22
6SE20-3	3	4	2.5"	6"	H(m)	46	39	37	34	31	28	25	19
6SE20-5	4	5.5	2.5"	6"		77	64	61	57	51	47	41	31
6SE20-7	5.5	7.5	2.5"	6"		108	90	86	79	73	66	58	44
6SE20-9	7.5	10	2.5"	6"		138	116	111	101	96	86	76	56
6SE20-11	9.2	12.5	2.5"	6"		168	142	136	124	113	104	90	69
6SE20-14	11	15	2.5"	6"		215	180	171	150	145	131	113	88
6SE20-16	13	17.5	2.5"	6"		246	206	195	180	165	149	130	100
6SE20-18	15	20	2.5"	6"		277	232	225	202	193	170	152	113
6SE20-22	18.5	25	2.5"	6"		345	295	282	262	241	216	189	143
6SE20-25	22	30	2.5"	6"		386	320	303	281	265	232	208	158
6SE20-28	26	35	2.5"	6"		428	358	336	301	291	255	221	174
6SE20-30	30	40	2.5"	6"		459	384	360	322	312	273	237	186

※ Outer diameter size with wire clamp



Performance Parameters

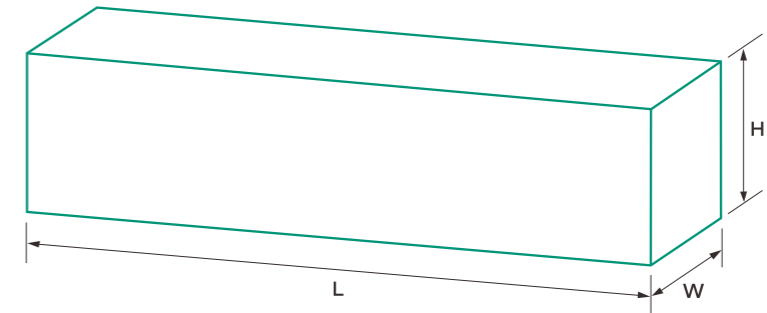
Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	kW	HP				0	10	15	20	26	32	35	38
6SE32-2	3	4	3"	6"		30	28	27	26	24	20	18	16
6SE32-3	4	5.5	3"	6"		44	42	41	40	36	32	27	21
6SE32-4	5.5	7.5	3"	6"		59	56	55	53	48	43	39	33
6SE32-6	7.5	10	3"	6"		88	86	84	78	71	61	54	48
6SE32-7	9.2	12.5	3"	6"		102	99	97	92	84	73	64	53
6SE32-8	11	15	3"	6"		116	115	112	105	95	84	71	63
6SE32-9	13	17.5	3"	6"		130	129	126	120	109	98	85	75
6SE32-10	15	20	3"	6"		147	144	141	131	120	108	95	82
6SE32-13	18.5	25	3"	6"		190	185	181	175	158	140	123	109
6SE32-15	22	30	3"	6"		218	215	210	200	183	153	138	123
6SE32-18	26	35	3"	6"		260	257	251	240	220	185	170	148
6SE32-21	30	40	3"	6"		310	302	291	280	258	215	193	168
6SE32-26	37	50	3"	6"		380	368	355	340	316	265	235	195

※ Outer diameter size with wire clamp

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)									
	kW	HP				0	10	15	20	25	30	35	40	46	60
6SE40-3	4	5.5	3"	6"		34	32	31	30	29	27	26	23	21	10
6SE40-4	5.5	7.5	3"	6"		45	43	42	40	38	36	34	31	28	14
6SE40-5	7.5	10	3"	6"		58	55	53	50	48	45	42	39	35	18
6SE40-6	9.2	12.5	3"	6"		69	67	64	61	59	55	50	47	41	21
6SE40-8	11	15	3"	6"		92	87	85	81	76	72	67	61	53	28
6SE40-9	13	17.5	3"	6"		106	102	98	95	90	85	78	71	64	35
6SE40-10	15	20	3"	6"		118	113	109	105	100	94	86	79	71	39
6SE40-12	18.5	25	3"	6"		142	136	131	126	120	113	103	95	85	47
6SE40-15	22	30	3"	6"		177	170	164	158	150	141	129	119	107	59
6SE40-17	26	35	3"	6"		201	192	185	179	170	160	146	135	121	66
6SE40-20	30	40	3"	6"		236	226	218	210	200	188	172	158	142	82
6SE40-23	37	50	3"	6"		271	260	251	242	230	216	198	182	163	90

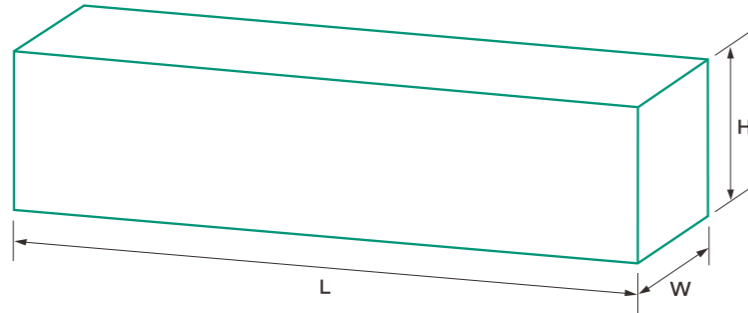
※ Outer diameter size with wire clamp

Package Dimensions



Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box			Pump	Motor
	W	H	L	W	H	L	W	H	L		
6SE12-2	175	175	1000	-	-	-	-	-	-	36.3	-
6SE12-3	175	175	1060	-	-	-	-	-	-	42.4	-
6SE12-4	175	175	1140	-	-	-	-	-	-	42.0	-
6SE12-6	175	175	1240	-	-	-	-	-	-	45.4	-
6SE12-8	-	-	-	160	160	790	175	175	740	19.4	34
6SE12-11	-	-	-	160	160	910	175	175	780	21.2	38
6SE12-14	-	-	-	160	160	1030	175	175	860	23.4	46
6SE12-16	-	-	-	160	160	1150	175	175	950	24.7	53
6SE12-19	-	-	-	160	160	1300	175	175	1020	26.6	58
6SE12-21	-	-	-	160	160	1380	175	175	1070	27.8	62
6SE12-23	-	-	-	160	160	1460	175	175	948	29.0	84.5
6SE20-3	175	175	1125	-	-	-	-	-	-	42.4	-
6SE20-5	175	175	1240	-	-	-	-	-	-	46	-
6SE20-7	-	-	-	160	160	800	175	175	740	19.2	34
6SE20-9	-	-	-	160	160	900	175	175	780	20.6	38
6SE20-11	-	-	-	160	160	990	175	175	860	22.0	46
6SE20-14	-	-	-	160	160	1170	175	175	950	24.1	53
6SE20-16	-	-	-	160	160	1260	175	175	1020	26.3	58
6SE20-18	-	-	-	160	160	1360	175	175	1070	27.9	62
6SE20-22	-	-	-	160	160	1580	175	175	948	31.0	84.5
6SE20-25	-	-	-	160	160	1720	175	175	1020	33.0	96
6SE20-28	-	-	-	160	160	2000	175	175	1060	36.8	108
6SE20-30	-	-	-	160	160	2090	175	175	1150	38.2	123

Package Dimensions



Model	Whole package size			Split package size						G.W	
	W	H	L	Square paper tube			Wooden box			Pump	Motor
				W	H	L	W	H	L		
6SE32-2	175	175	1140	-	-	-	-	-	-	42.9	-
6SE32-3	175	175	1230	-	-	-	-	-	-	45.9	-
6SE32-4	-	-	-	160	160	770	175	175	740	18.0	34
6SE32-6	-	-	-	160	160	900	175	175	780	19.6	38
6SE32-7	-	-	-	160	160	960	175	175	860	20.6	46
6SE32-8	-	-	-	160	160	1030	175	175	950	21.5	53
6SE32-9	-	-	-	160	160	1130	175	175	1020	22.7	58
6SE32-10	-	-	-	160	160	1200	175	175	1070	23.6	62
6SE32-13	-	-	-	160	160	1390	175	175	948	23.2	84.5
6SE32-15	-	-	-	160	160	1560	175	175	1020	28.3	96
6SE32-18	-	-	-	160	160	1760	175	175	1060	31.6	108
6SE32-21	-	-	-	160	160	2080	175	175	1150	36.3	123
6SE32-26	-	-	-	160	160	2410	175	175	1210	41.1	136
6SE40-3	175	175	1290	-	-	-	-	-	-	47.8	26.7
6SE40-4	-	-	-	160	160	870	175	175	740	20.6	34
6SE40-5	-	-	-	160	160	980	175	175	780	21.5	38
6SE40-6	-	-	-	160	160	1090	175	175	860	22.5	46
6SE40-8	-	-	-	160	160	1315	175	175	950	24.5	53
6SE40-9	-	-	-	160	160	1425	175	175	1020	25.5	58
6SE40-10	-	-	-	160	160	1540	175	175	1070	26.5	62
6SE40-12	-	-	-	160	160	1760	175	175	948	28.5	84.5
6SE40-15	-	-	-	160	160	2190	175	175	1020	30.0	96
6SE40-17	-	-	-	160	160	2410	175	175	1060	31.9	108
6SE40-20	-	-	-	160	160	2750	175	175	1150	34.0	123
6SE40-23	-	-	-	160	160	3090	175	175	1210	36.1	136

6DEM

Oil-immersed Deep Well Pump

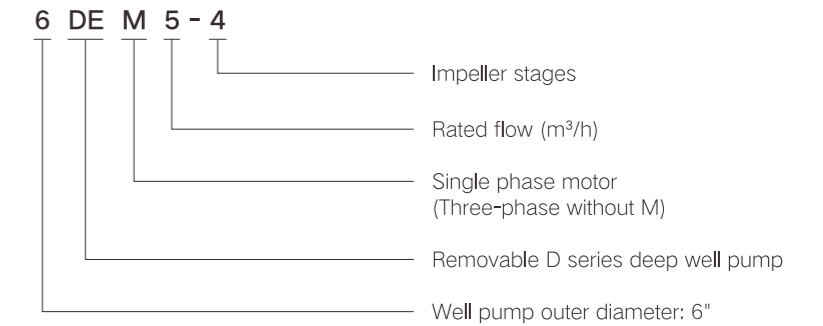


Stainless steel pump head for optional



Stainless steel connection for optional

Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

- Standard oil-immersed three-phase motor
- Wear-resistant and sand-resistant pump body
- Three phase: 350V~415V/50Hz



Clean Water



Civil Use

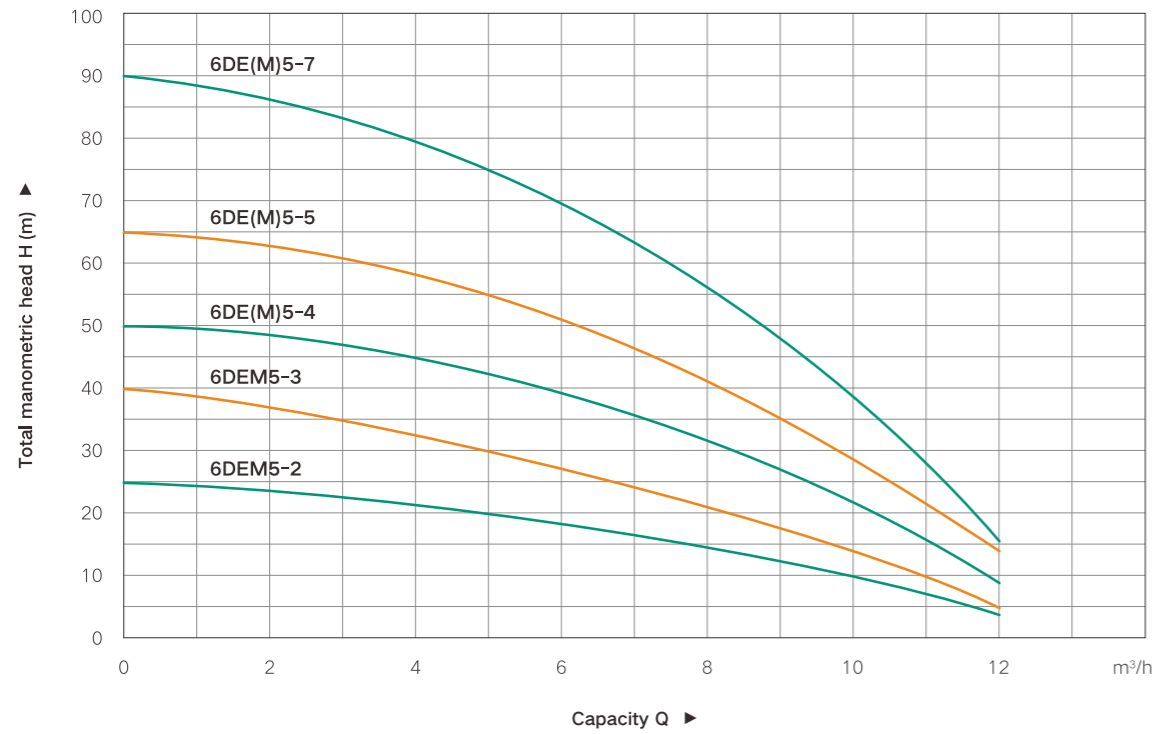


Agricultural Use

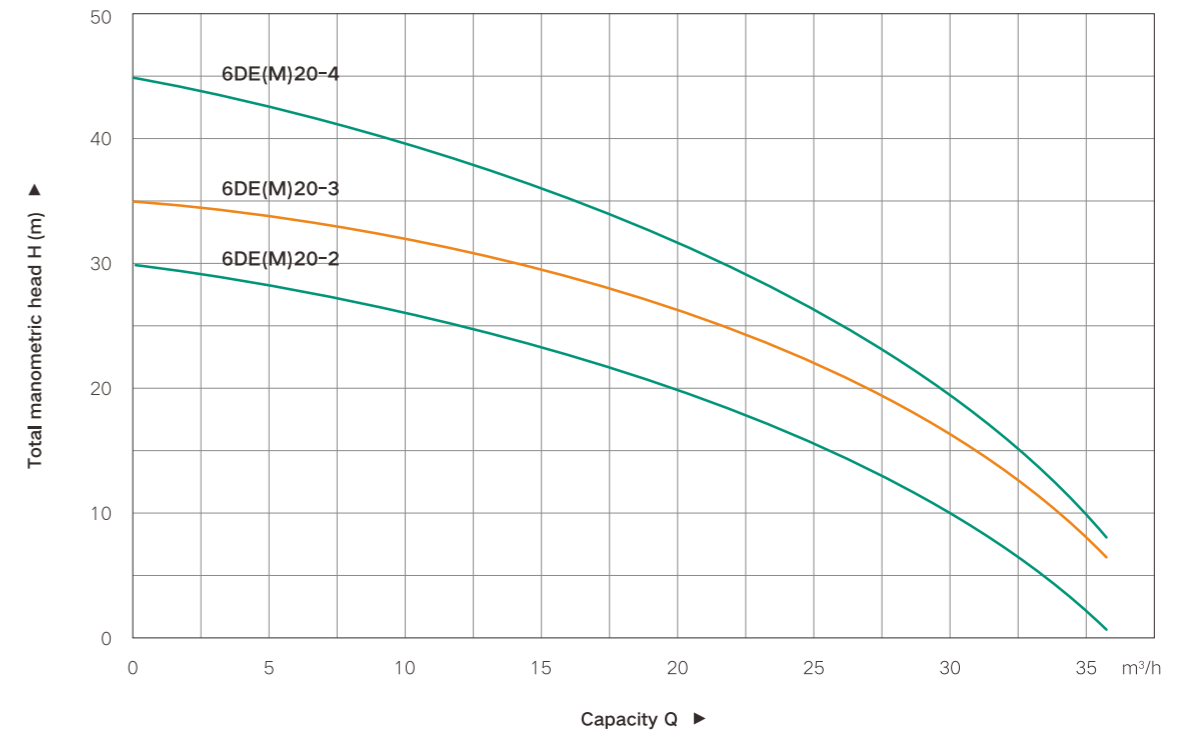
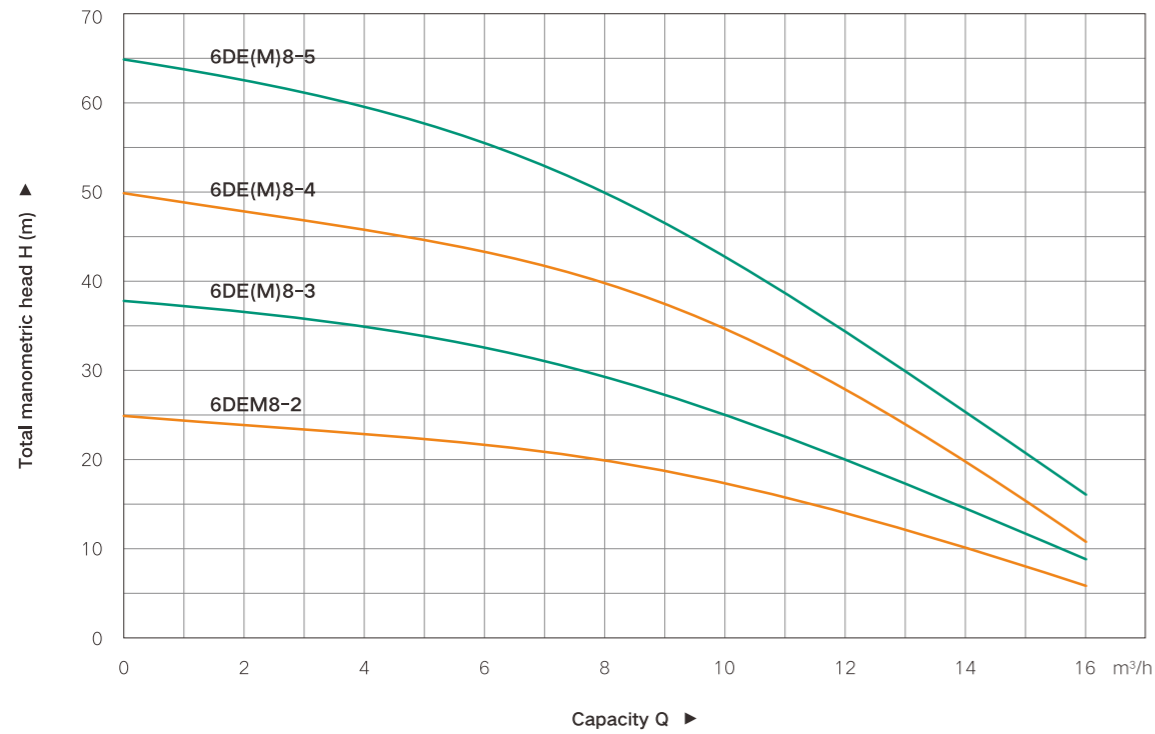
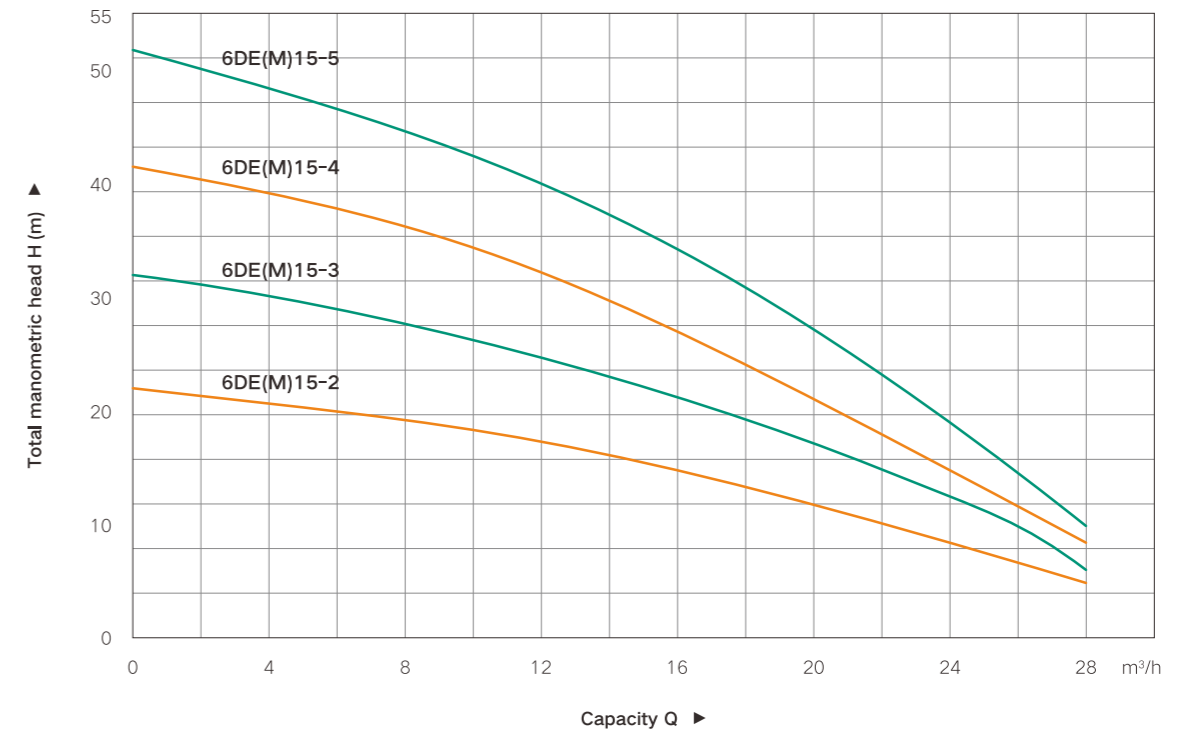


Industrial Use

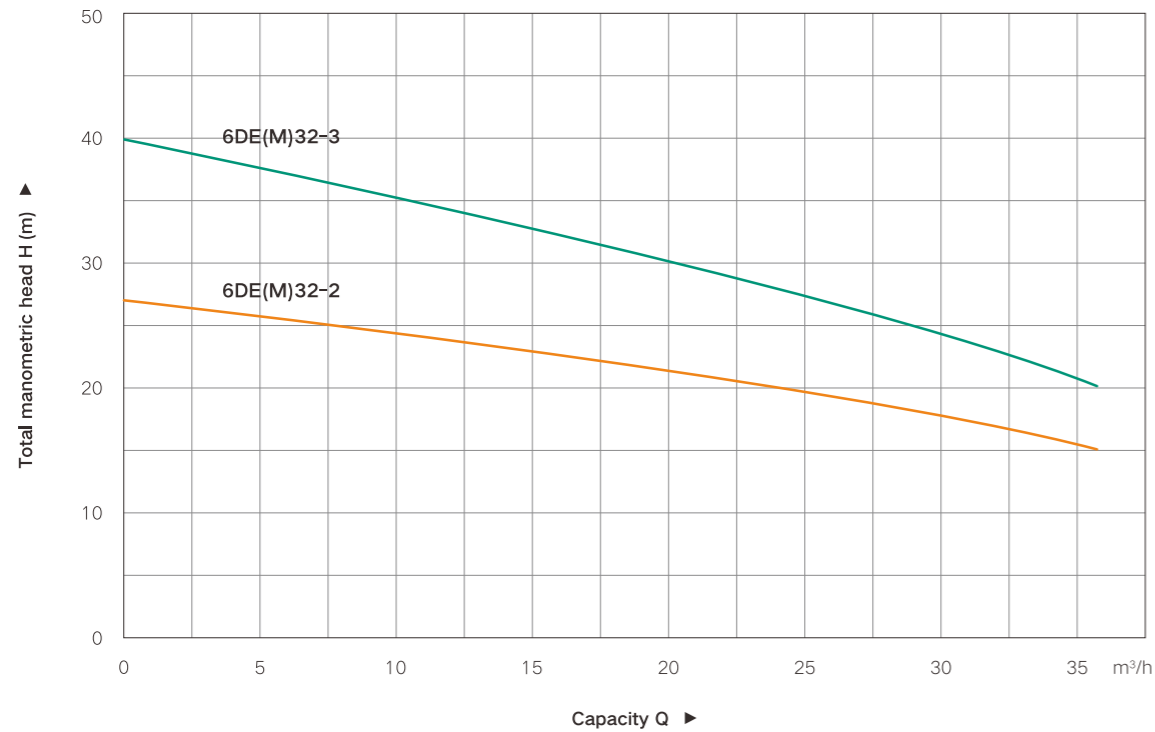
Performance Curve



Performance Curve



Performance Curve



Performance Parameters

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
Single-phase(220V)	Three-phase(380V)	kW	HP				0	2	4	5	6	8	10	11
6DEM5-2	-	0.55	0.75	1.5"	6"	H(m)	25	24	21	20	18	14	10	7
6DEM5-3	-	0.75	1	1.5"	6"		40	36	33	30	29	22	14	10
6DEM5-4	6DE5-4	1.1	1.5	1.5"	6"		50	49	45	42	39	31	21	16
6DEM5-5	6DE5-5	1.5	2	1.5"	6"		65	63	58	55	51	41	28	22
6DEM5-7	6DE5-7	2.2	3	1.5"	6"		90	86	79	75	68	55	37	27

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
Single-phase(220V)	Three-phase(380V)	kW	HP				0	2	4	6	8	10	12	14
6DEM8-2	-	0.75	1	2"	6"	H(m)	25	24	23	22	20	17	14	10
6DEM8-3	6DE8-3	1.1	1.5	2"	6"		37	36	35	33	30	25	20	15
6DEM8-4	6DE8-4	1.5	2	2"	6"		50	49	44	41	40	32	26	19
6DEM8-5	6DE8-5	2.2	3	2"	6"		65	63	59	56	50	42	34	26

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)									
Single-phase(220V)	Three-phase(380V)	kW	HP				0	6	8	10	12	15	18	20	26	28
6DEM15-2	6DE15-2	1.1	1.5	3"	6"	H(m)	22	20	19	18	17	16	13	12	7	5
6DEM15-3	6DE15-3	1.5	2	3"	6"		32	28	27	26	25	24	19	17	10	6
6DEM15-4	6DE15-4	2.2	3	3"	6"		42	37	36	34	33	30	24	21	11	8
6DEM15-5	6DE15-5	3	4	3"	6"		52	46	44	42	40	38	32	28	15	10

※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)								
Single-phase(220V)	Three-phase(380V)	kW	HP				0	6	10	14	18	20	22	24	36
6DEM20-2	6DE20-2	1.5	2	3"	6"	H(m)	30	27	26	24	22	20	17	15	2
6DEM20-3	6DE20-3	2.2	3	3"	6"		35	33	32	30	28	27	25	22	7
6DEM20-4	6DE20-4	3	4	3"	6"		45	40	38	35	33	32	29	24	8

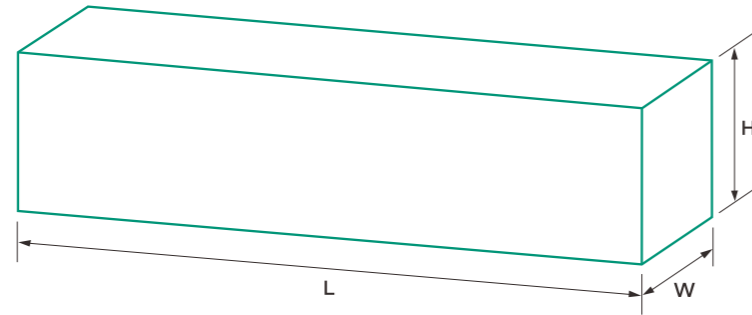
※ Outer diameter size with wire clamp

Model		Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)								
Single-phase(220V)	Three-phase(380V)	kW	HP				0	6	10	14	18	20	22	24	36
6DEM32-2	6DE32-2	2.2	3	3"	6"	H(m)	27	25	24	23	21.5	21	20	19	15
6DEM32-3	6DE32-3	3	4	3"	6"		40	39	35	33	31	30	29	28	20

※ Outer diameter size with wire clamp



Package Dimensions



Model	W	H	L	G.W
	mm	mm	mm	kg
6DEM5-2	160	160	717	15.6
6DEM5-3	160	160	827	16.6
6DE(M)5-4	160	160	838	18.6
6DE(M)5-5	160	160	910	21.05
6DE(M)5-7	160	160	1059	25.35
6DEM8-2	160	160	744	16.8
6DE(M)8-3	160	160	821	18.8
6DE(M)8-4	160	160	898	21.1
6DE(M)8-5	160	160	1020	25.6
6DE(M)15-2	160	160	798	18.7
6DE(M)15-3	160	160	882	21.2
6DE(M)15-4	160	160	1012	25.6
6DE(M)15-5	160	160	1080	27.2
6DE(M)20-2	160	160	862	21.2
6DE(M)20-3	160	160	1003	25.1
6DE(M)20-4	160	160	1083	27.2
6DE(M)32-2	160	160	947	25.6
6DE(M)32-3	160	160	1028	27.3

Product Structure

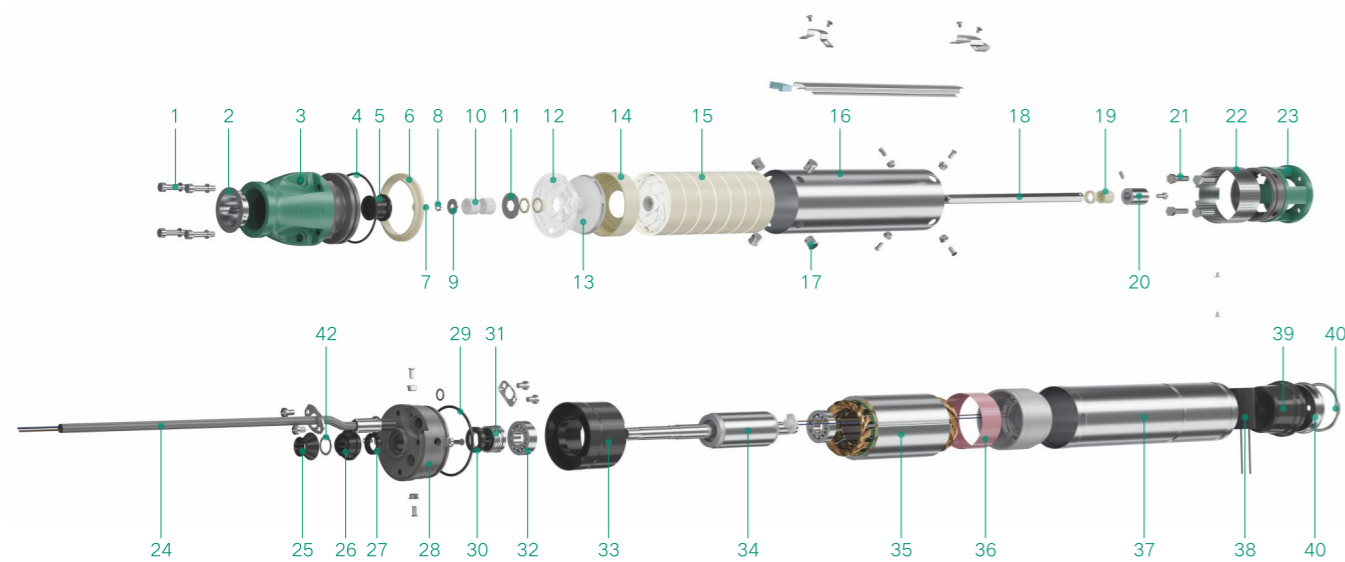
2.5STM



NO.	Part	NO.	Part	NO.	Part
1	Upper insulating ring	18	O-ring	35	Bracket
2	Stator	19	Brass screw	36	Guide vane ring
3	Lower insulating ring	20	Skeleton oil seal	37	Impeller
4	Bearing baffle	21	Plastic sand cap	38	Guide vane
5	Lower bearing seat	22	Flat gasket	39	Rubber bearing
6	Capacitance	23	Sand cap	40	O-ring
7	Screw	24	Stud	41	Spool
8	Hollow pin	25	Spring washer	42	Outlet
9	Motor barrel	26	Nut	43	Pump barrel
10	Pressure regulating film	27	Screw	44	Screw
11	Lower lid	28	Cable	45	Upper bushing
12	Circlip	29	O-ring	46	Hexagonal shaft
13	Rotor	30	Flat gasket	47	Water festival
14	Bearing	31	Screw	48	Filter
15	Mechanical seal dynamic ring	32	Coupling	49	Screw
16	Mechanical seal static ring	33	Plastic bushing	50	Clamping plate
17	Upper bearing seat	34	Lower bushing	51	Grommet

Product Structure

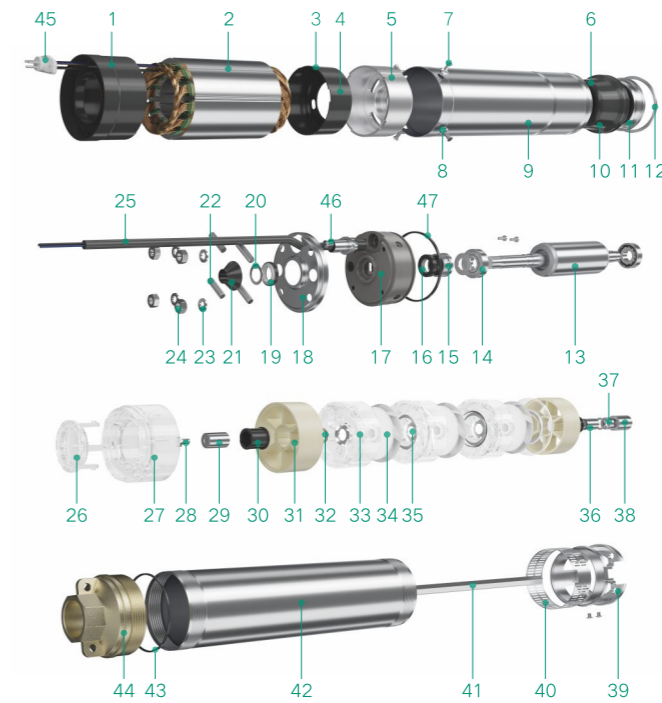
3.5SEM



NO.	Part	NO.	Part	NO.	Part
1	Hexagon socket head screw	15	Impeller string	29	O-ring
2	Dust cover	16	Pump barrel	30	Mechanical seal static ring
3	Outlet	17	Cylindrical pin	31	Mechanical seal ring
4	O-ring	18	Hexagonal shaft	32	Bearing
5	Rubber bushing with lug	19	Ceramic bushing	33	Upper insulating ring
6	Pressure ring	20	Coupling	34	Rotor
7	Screw	21	Screw	35	Stator
8	Gasket	22	Screen	36	Insulation cylinder
9	Flat gasket	23	Water intake	37	Lower insulating ring
10	Ceramic bushing	24	Cable	38	Capacitance
11	Thrust washer	25	Sand cap	39	Pressure regulating film
12	Guide vane	26	Plastic sand cap	40	Lower lid
13	Impeller	27	Skeleton oil seal	41	Circlip
14	Lower bearing seat	28	Upper bearing seat	42	Gasket

Product Structure

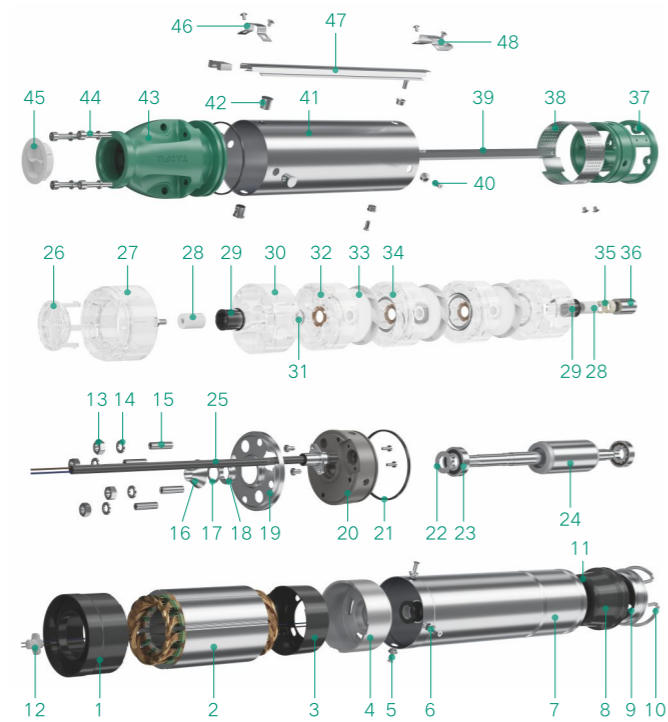
4STM



NO.	Part	NO.	Part	NO.	Part
1	Upper insulating ring	17	Upper bearing seat	33	Guide vane
2	Stator	18	Upper bearing housing cover	34	Impeller
3	Lower insulating ring	19	Skeleton oil seal	35	Cover
4	Bearing baffle	20	Flat gasket	36	Stainless steel bushing
5	Lower bearing seat	21	Sand cap	37	Plastic bushing
6	Capacitance	22	Stud	38	Coupling
7	Screw	23	Spring washer	39	Water festival
8	Hollow pin	24	Nut	40	Filter
9	Motor barrel	25	Cable	41	Hexagonal shaft
10	Pressure regulating film	26	Spool	42	Pump barrel
11	Lower lid	27	Valve seat	43	O-ring
12	Circlip	28	Screw	44	Outlet
13	Rotor	29	Stainless steel bushing	45	Plug
14	Bearing	30	Rubber bushing	46	Screw
15	Mechanical seal ring	31	Bracket	47	O-ring
16	Mechanical seal static ring	32	Gasket	-	-

Product Structure

4SEM



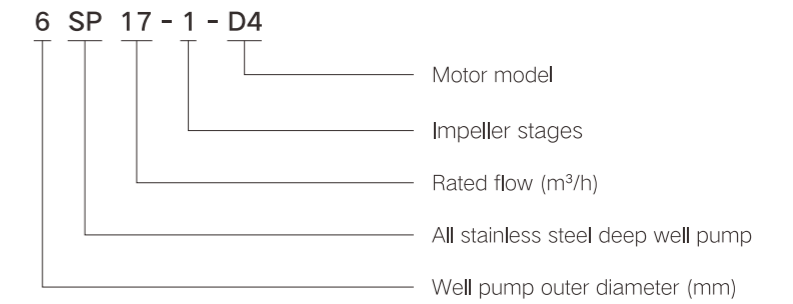
NO.	Part	NO.	Part	NO.	Part
1	Upper insulating ring	17	Flat gasket	33	Impeller
2	Stator	18	Plastic sand cap	34	Cover
3	Lower insulating ring	19	Upper bearing housing cover	35	Plastic bushing
4	Lower bearing seat	20	Upper bearing seat	36	Coupling
5	Screw	21	O-ring	37	Water festival
6	Hollow pin	22	Gasket	38	Filter
7	Motor barrel	23	Bearing	39	Hexagonal shaft
8	Pressure regulating film	24	Rotor	40	Screw
9	Lower lid	25	Cable	41	Pump barrel
10	Circlip	26	Spool	42	Cylindrical pin
11	Capacitance	27	Valve seat	43	Outlet
12	Plug	28	Ceramic bushing	44	Hexagon socket head cap screw
13	Nut	29	Rubber bushing	45	Dust cover
14	Gasket	30	Bracket	46	Upper guard plate buckle
15	Stud	31	Iron rubber gasket	47	Guard plate
16	Sand cap	32	Guide vane	48	Lower guard plate buckle

6SP-D4

All Stainless Steel Deep Well Pump



Model Meaning



Applications

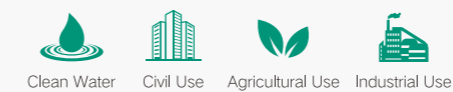
- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

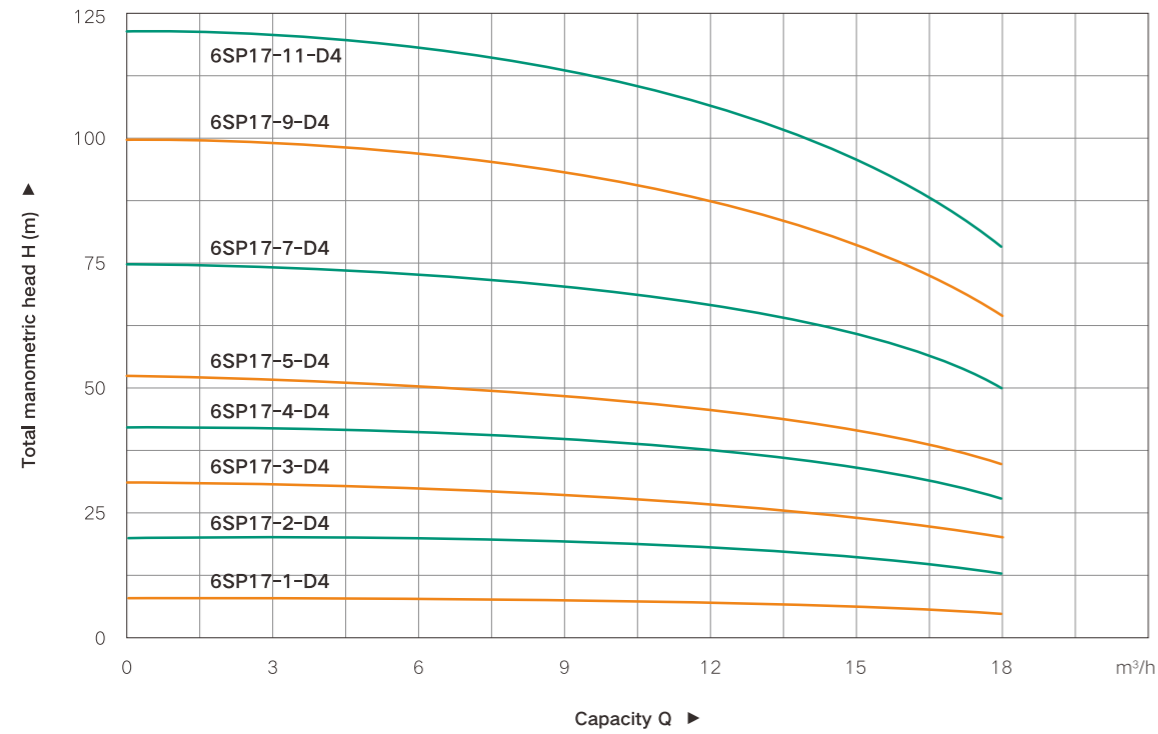
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

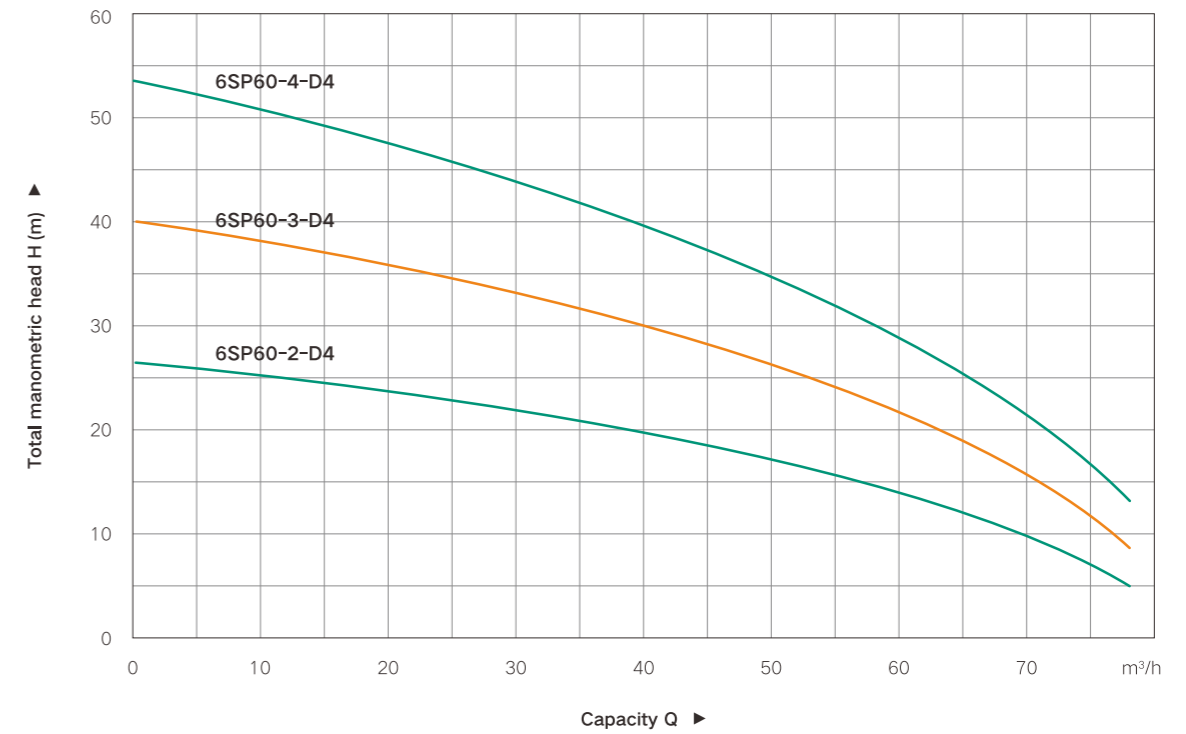
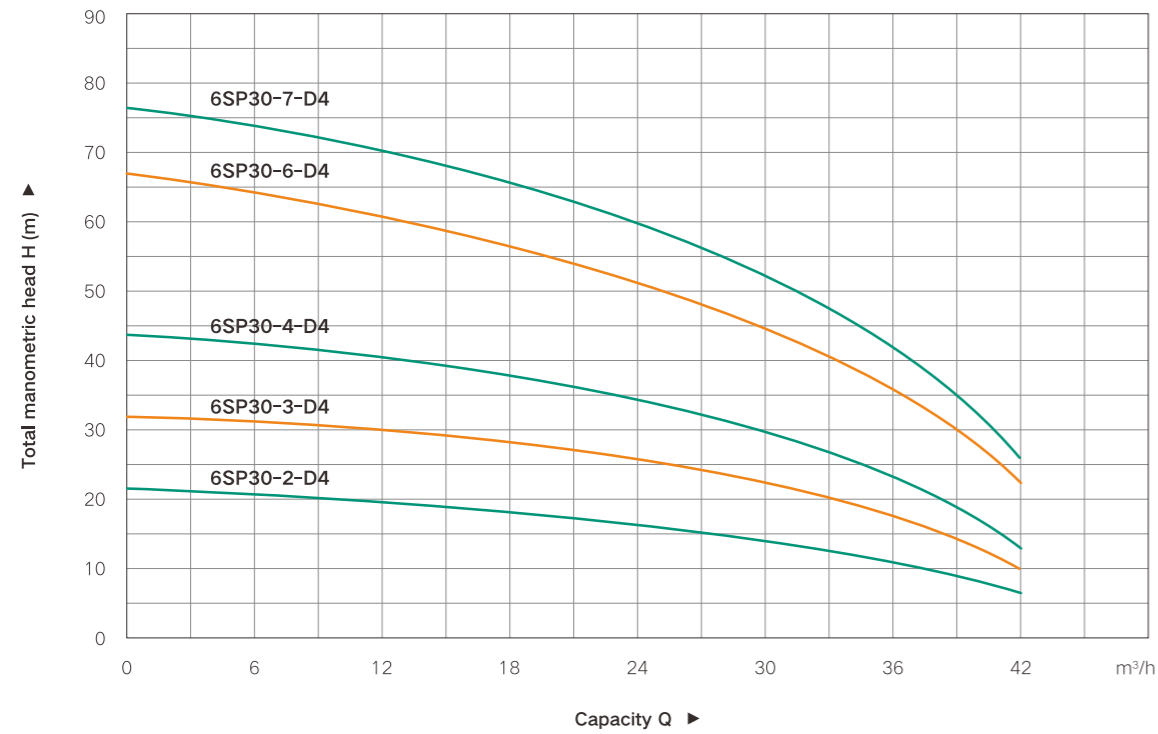
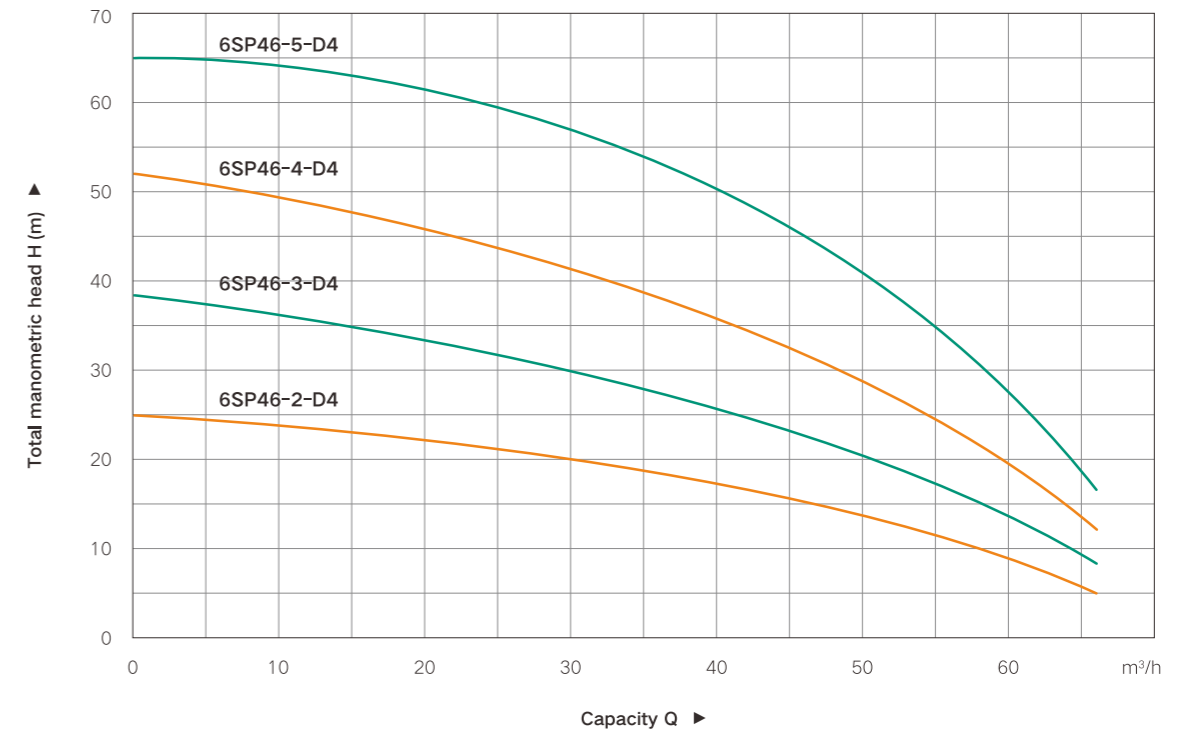
- Standard oil-immersed three-phase motor
- Wear-resistant and sand-resistant pump body
- Three-phase: 350V~415V/50Hz



Performance Curve



Performance Curve



Performance Parameters

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	kW	HP				0	3	6	9	12	15	17	18
6SP17-1-D4	0.75	1	3"	6"	H(m)	9	9	9	8	8	7	6	5
6SP17-2-D4	1.1	1.5	3"	6"		20	20	20	19	17	15	14	13
6SP17-3-D4	1.5	2	3"	6"		31	31	30	29	27	24	22	20
6SP17-4-D4	2.2	3	3"	6"		42	42	41	40	37	33	30	28
6SP17-5-D4	3	4	3"	6"		53	53	52	50	47	42	37	35
6SP17-7-D4	4	5.5	3"	6"		75	75	73	71	66	59	53	50
6SP17-9-D4	5.5	7.5	3"	6"		97	97	95	92	86	77	69	65
6SP17-11-D4	7.5	10	3"	6"		119	119	117	113	105	94	85	80

※ Outer diameter size with wire clamp

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	kW	HP				0	6	12	18	24	30	36	42
6SP30-2-D4	2.2	3	3"	6"	H(m)	21	20	19	18	16	14	10	6
6SP30-3-D4	3	4	3"	6"		32	31	30	28	26	22	17	10
6SP30-4-D4	4	5.5	3"	6"		44	42	40	38	35	30	23	14
6SP30-6-D4	5.5	7.5	3"	6"		67	64	61	58	53	45	35	22
6SP30-7-D4	7.5	10	3"	6"		78	75	72	68	62	53	41	26

※ Outer diameter size with wire clamp

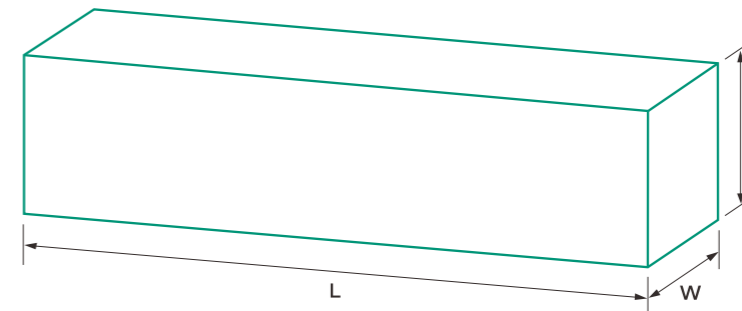
Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)										
	kW	HP				0	6	12	18	24	30	36	42	54	60	66
6SP46-2-D4	3	4	3"	6"	H(m)	25	24	24	23	21	20	18	16	12	9	5
6SP46-3-D4	4	5.5	3"	6"		38	37	36	35	33	30	28	25	19	14	9
6SP46-4-D4	5.5	7.5	3"	6"		52	50	49	47	44	41	38	34	26	20	12
6SP46-5-D4	7.5	10	3"	6"		65	64	62	60	56	52	48	44	33	25	16

※ Outer diameter size with wire clamp

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)							
	kW	HP				0	12	24	36	48	60	72	78
6SP60-2-D4	4	5.5	4"	6"	H(m)	26	26	24	20	17	14	8	5
6SP60-3-D4	5.5	7.5	4"	6"		40	40	37	31	27	21	14	9
6SP60-4-D4	7.5	10	4"	6"		54	54	50	42	37	29	19	13

※ Outer diameter size with wire clamp

Package Dimensions



Model	Whole package size			Split package size						G.W		
				Square paper tube			Wooden box			Pump	Motor	
	W	H	L	W	H	L	W	H	L			
6SP17-1-D4	175	175	872	-	-	-	-	-	-	-	15.65	-
6SP17-2-D4	175	175	947	-	-	-	-	-	-	-	18.95	-
6SP17-3-D4	175	175	1032	-	-	-	-	-	-	-	22.3	-
6SP17-4-D4	175	175	1162	-	-	-	-	-	-	-	27.3	-
6SP17-5-D4	-	-	-	160	160	626	145	190	710	9.5	20	
6SP17-7-D4	-	-	-	160	160	716	145	190	800	11.7	22.9	
6SP17-9-D4	-	-	-	160	160	806	145	190	875	13.9	28.5	
6SP17-11-D4	-	-	-	160	160	896	145	190	950	16.1	32.05	
6SP30-2-D4	175	175	1311	-	-	-	-	-	-	-	29.4	-
6SP30-3-D4	-	-	-	160	160	689	145	190	710	11	20	
6SP30-4-D4	-	-	-	160	160	745.5	145	190	800	12	22.9	
6SP30-6-D4	-	-	-	160	160	858.5	145	190	875	13.8	28.5	
6SP30-7-D4	-	-	-	160	160	915	145	190	950	14.5	32.05	
6SP46-2-D4	-	-	-	160	160	627	145	190	710	11.1	20	
6SP46-3-D4	-	-	-	160	160	740	145	190	800	12.1	22.9	
6SP46-4-D4	-	-	-	160	160	853	145	190	875	13.1	28.5	
6SP46-5-D4	-	-	-	160	160	966	145	190	950	14.8	32.05	
6SP60-2-D4	-	-	-	160	160	627	145	190	800	12.2	22.9	
6SP60-3-D4	-	-	-	160	160	740	145	190	875	14.2	28.5	
6SP60-4-D4	-	-	-	160	160	853	145	190	950	15.7	32.05	

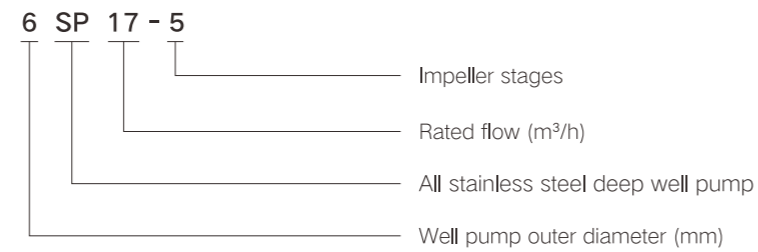


6SP

All Stainless Steel Deep Well Pump



Model Meaning



Applications

- Mainly used for deep well water intake, agricultural irrigation, urban factory water supply and other clean water delivery places.

Working Conditions

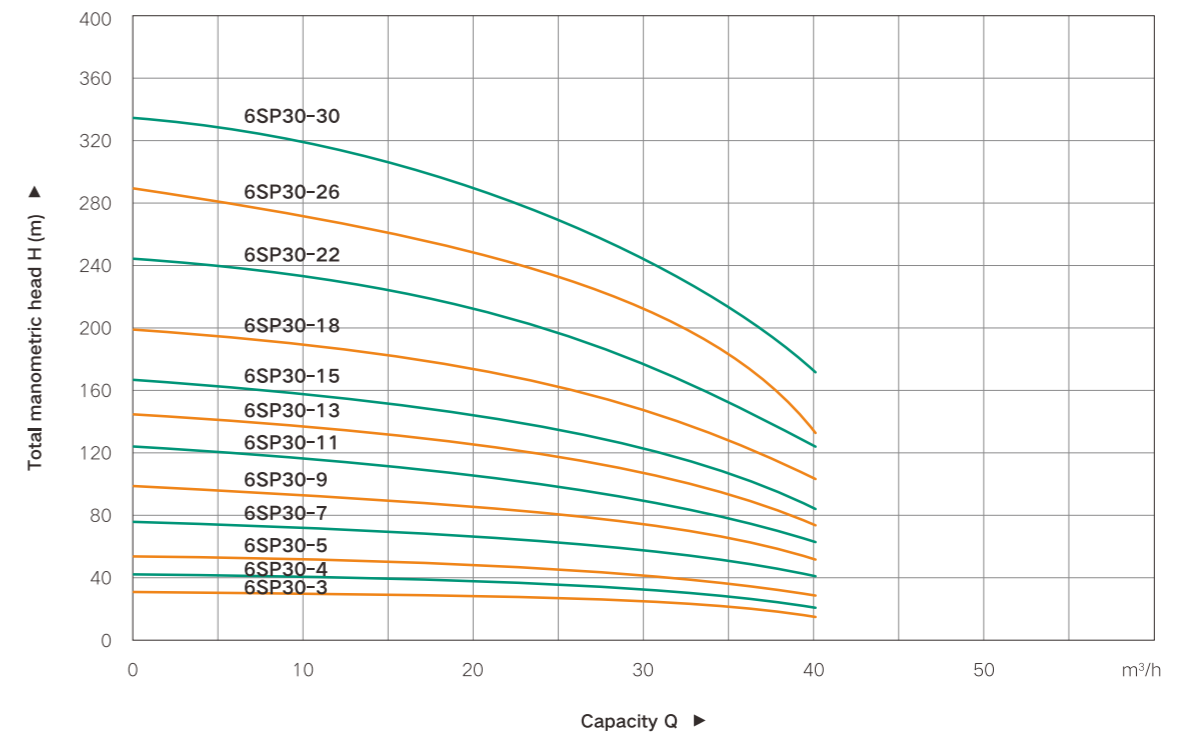
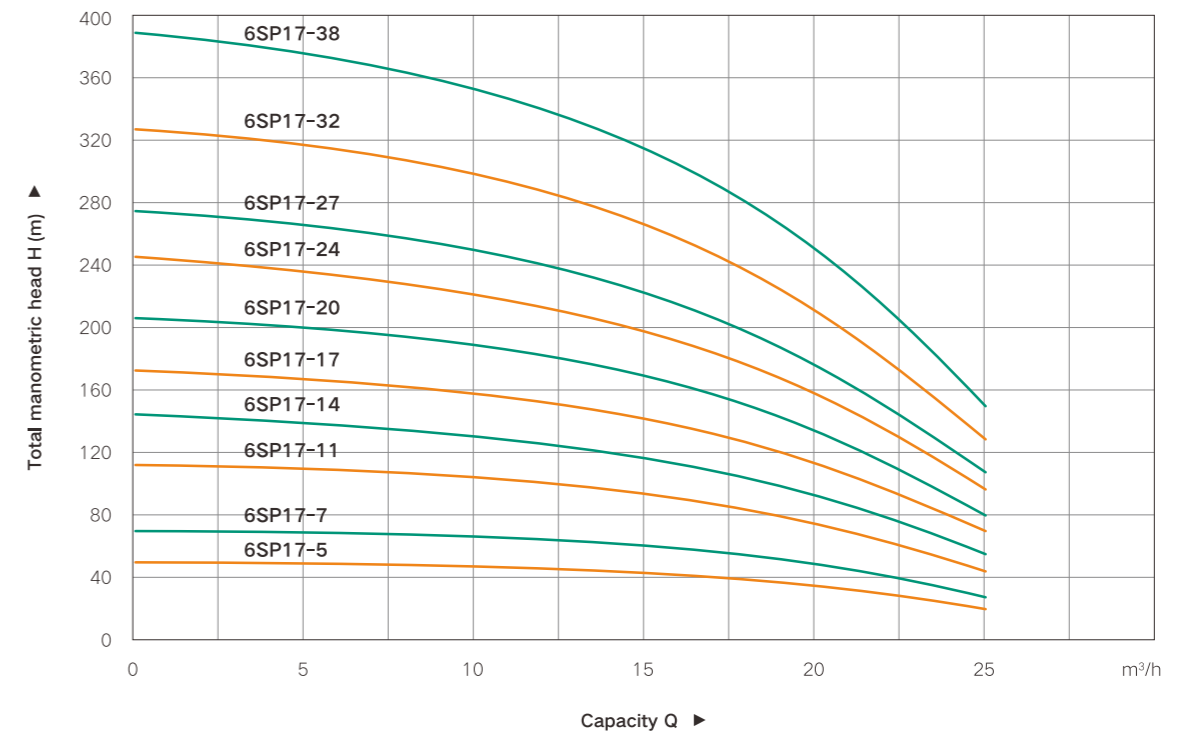
- Max. water temperature: 40 °C
- pH value: 6.5-8.5
- Max. hydrogen sulfide content: 1.5 mg/L

Motor and Pump Body

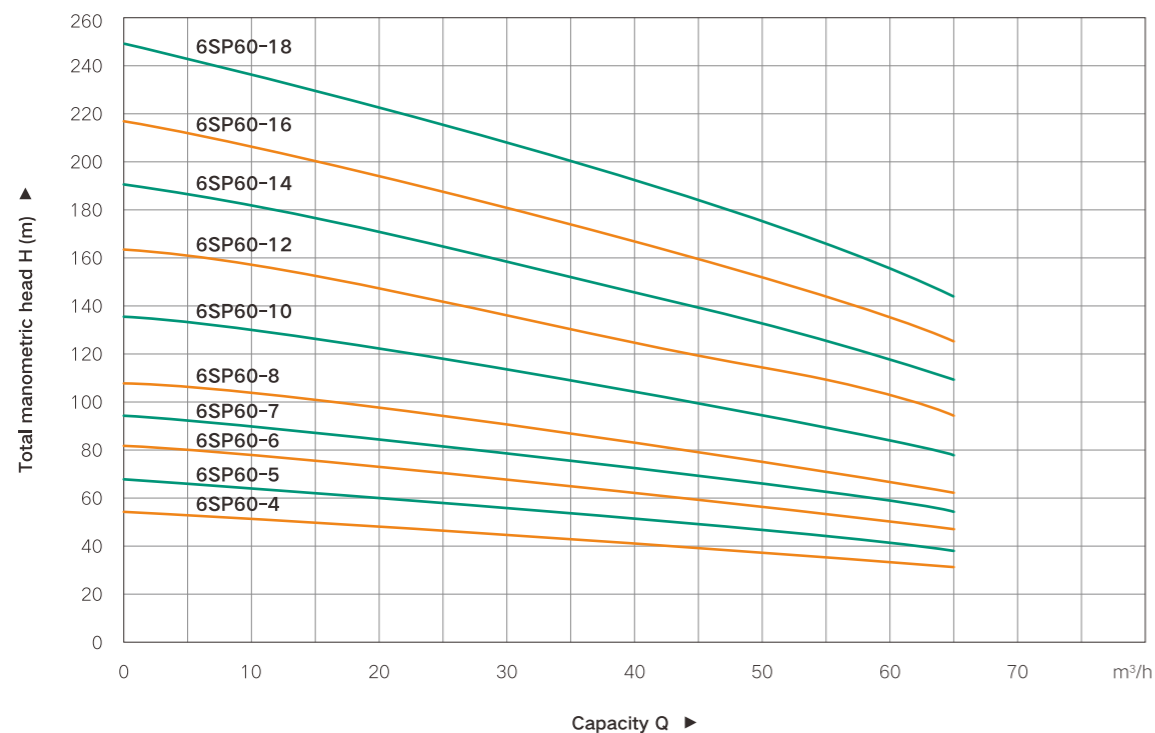
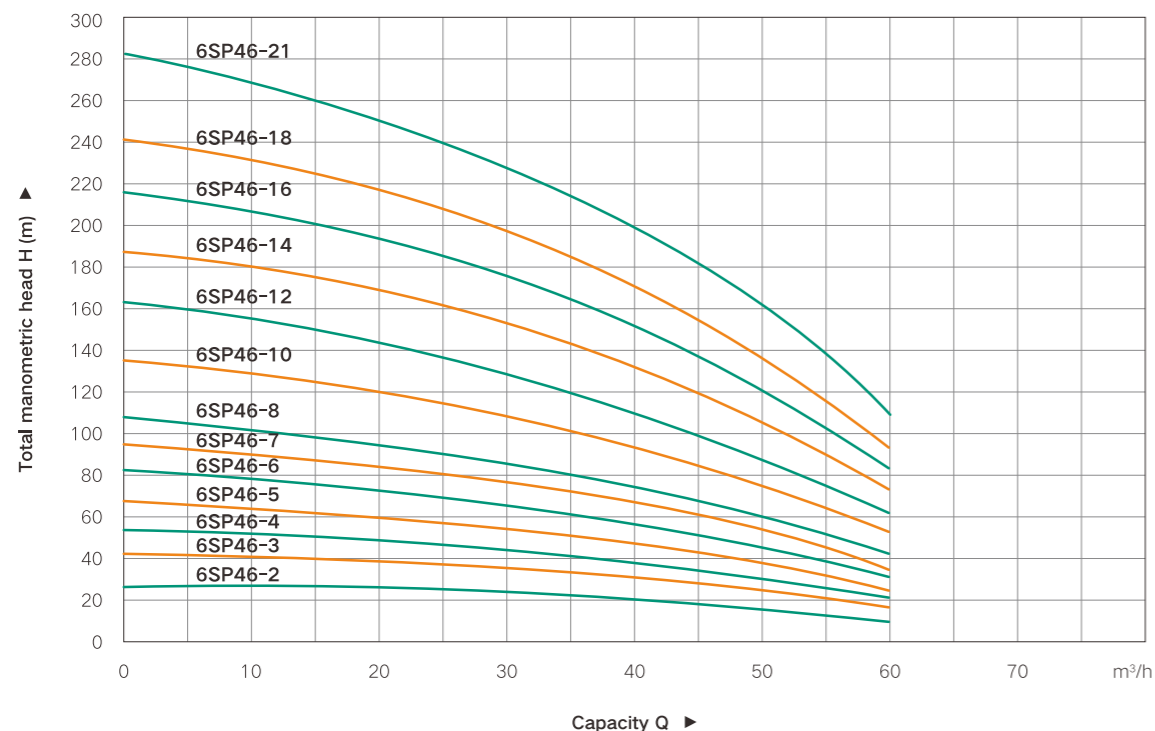
- Standard oil-immersed three-phase motor
- Wear-resistant and sand-resistant pump body
- Three-phase: 350V~415V/50Hz



Performance Curve



Performance Curve



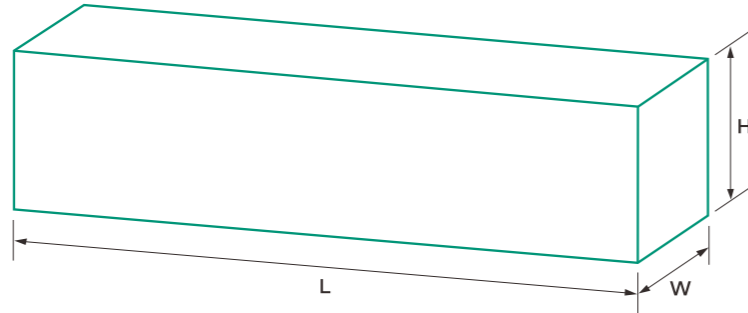
Performance Parameters

Model	Power		Outlet diameter (In)	Pump diameter (In)	Flow (m³/h)	H(m)														
	kW	HP				0	10	15	17	20	25	30	35	40	45	46	50	55	60	65
6SP17-5	3	4	3"	6"	49	45	40	37	31	18	-	-	-	-	-	-	-	-	-	
6SP17-7	4	5.5	3"	6"	69	63	56	52	44	26	-	-	-	-	-	-	-	-	-	
6SP17-11	5.5	7.5	3"	6"	110	100	89	83	70	42	-	-	-	-	-	-	-	-	-	
6SP17-14	7.5	10	3"	6"	141	128	114	106	89	54	-	-	-	-	-	-	-	-	-	
6SP17-17	9.2	12.5	3"	6"	173	158	141	131	110	68	-	-	-	-	-	-	-	-	-	
6SP17-20	11	15	3"	6"	202	184	164	152	128	78	-	-	-	-	-	-	-	-	-	
6SP17-24	13	17.5	3"	6"	243	221	197	183	154	94	-	-	-	-	-	-	-	-	-	
6SP17-27	15	20	3"	6"	273	249	222	206	174	106	-	-	-	-	-	-	-	-	-	
6SP17-32	18.5	25	3"	6"	324	295	263	246	206	126	-	-	-	-	-	-	-	-	-	
6SP17-38	22	30	3"	6"	384	350	312	293	245	149	-	-	-	-	-	-	-	-	-	
6SP30-3	3	4	3"	6"	33	31	-	-	29	27	24	21	17	-	-	-	-	-	-	
6SP30-4	4	5.5	3"	6"	44	42	-	-	38	36	32	28	23	-	-	-	-	-	-	
6SP30-5	5.5	7.5	3"	6"	56	52	-	-	48	45	41	36	29	-	-	-	-	-	-	
6SP30-7	7.5	10	3"	6"	78	73	-	-	67	63	57	50	41	-	-	-	-	-	-	
6SP30-9	9.2	12.5	3"	6"	100	94	-	-	86	81	73	64	52	-	-	-	-	-	-	
6SP30-11	11	15	3"	6"	122	114	-	-	106	99	89	78	64	-	-	-	-	-	-	
6SP30-13	13	17.5	3"	6"	144	135	-	-	125	117	105	92	75	-	-	-	-	-	-	
6SP30-15	15	20	3"	6"	167	156	-	-	144	135	122	107	87	-	-	-	-	-	-	
6SP30-18	18.5	25	3"	6"	200	187	-	-	173	162	146	128	104	-	-	-	-	-	-	
6SP30-22	22	30	3"	6"	244	229	-	-	211	198	178	156	128	-	-	-	-	-	-	
6SP30-26	26	35	3"	6"	288	271	-	-	249	234	211	184	151	-	-	-	-	-	-	
6SP30-30	30	40	3"	6"	333	312	-	-	288	270	243	213	175	-	-	-	-	-	-	
6SP46-2	3	4	3"	6"	27	-	-	-	24	-	21	-	19	-	17	15	-	10	-	
6SP46-3	4	5.5	3"	6"	41	-	-	-	36	-	32	-	29	-	26	23	-	16	-	
6SP46-4	5.5	7.5	3"	6"	54	-	-	-	48	-	42	-	38	-	34	30	-	21	-	
6SP46-5	7.5	10	3"	6"	68	-	-	-	60	-	53	-	48	-	43	38	-	26	-	
6SP46-6	9.2	12.5	3"	6"	81	-	-	-	72	-	63	-	57	-	51	45	-	31	-	
6SP46-7	11	15	3"	6"	95	-	-	-	84	-	74	-	67	-	60	53	-	36	-	
6SP46-8	13	17.5	3"	6"	108	-	-	-	96	-	84	-	76	-	68	60	-	42	-	
6SP46-10	15	20	3"	6"	135	-	-	-	120	-	105	-	95	-	85	75	-	52	-	
6SP46-12	18.5	25	3"	6"	162	-	-	-	144	-	126	-	114	-	102	90	-	62	-	
6SP46-14	22	30	3"	6"	189	-	-	-	168	-	147	-	133	-	119	105	-	73	-	
6SP46-16	26	35	3"	6"	216	-	-	-	192	-	168	-	152	-	136	120	-	83	-	
6SP46-18	30	40	3"	6"	243	-	-	-	216	-	189	-	171	-	153	135	-	94	-	
6SP46-21	37	50	3"	6"	284	-	-	-	252	-	221	-	200	-	179	158	-	110	-	
6SP60-4	7.5	10	3"	6"	57	-	-	-	-	-	-	42	40	-	39	37	34	32	-	
6SP60-5	9.2	12.5	3"	6"	70	-	-	-	-	-	-	53	50	-	48	46	43	39	-	
6SP60-6	11	15	3"	6"	84	-	-	-	-	-	-	63	60	-	58	55	51	47	-	
6SP60-7	13	17.5	3"	6"	97	-	-	-	-	-	-	74	70	-	67	64	60	55	-	
6SP60-8	15	20	3"	6"	111	-	-	-	-	-	-	84	80	-	77	73	68	63	-	
6SP60-10	18.5	25	3"	6"	138	-	-	-	-	-	-	105	100	-	96	91	85	79	-	
6SP60-12	22	30	3"	6"	166	-	-	-	-	-	-	126	120	-	116	110	102	95	-	
6SP60-14	26	35	3"	6"	194	-	-	-	-	-	-	147	140	-	135	128	120	111	-	
6SP60-16	30	40	3"	6"	221	-	-	-	-	-	-	168	160	-	155	147	136	127	-	
6SP60-18	37	50	3"	6"	249	-	-	-	-	-	-	189	180	-	174	165	153	143	-	

* Outer diameter size with wire clamp

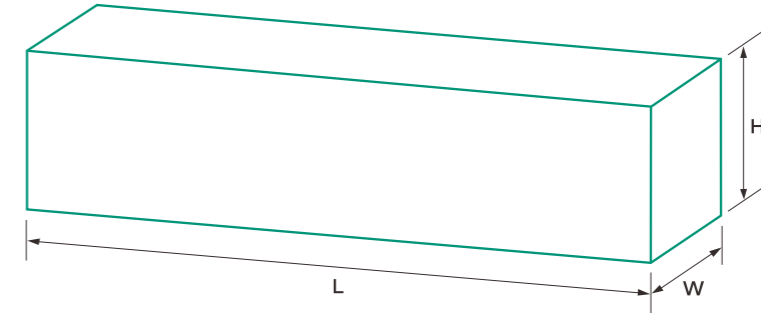


Package Dimensions



Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box			Pump	Motor
	W	H	L	W	H	L	W	H	L		
6SP17-5	175	175	1070	-	-	-	-	-	-	33.9	-
6SP17-7	175	175	1178	-	-	-	-	-	-	38.6	-
6SP17-11	-	-	-	160	160	806	175	175	740	15.6	34
6SP17-14	-	-	-	160	160	941	175	175	780	18.9	38
6SP17-17	-	-	-	160	160	1076	175	175	860	22.2	46
6SP17-20	-	-	-	160	160	1211	175	175	950	25.5	53
6SP17-24	-	-	-	160	160	1391	175	175	1020	30.3	58
6SP17-27	-	-	-	160	160	1526	175	175	1070	35.4	62
6SP17-32	-	-	-	160	160	1711	175	175	948	37.7	84.5
6SP17-38	-	-	-	160	160	2021	175	175	1020	44.0	96
6SP30-3	175	175	1009	-	-	-	-	-	-	35.9	-
6SP30-4	175	175	1085	-	-	-	-	-	-	39.9	-
6SP30-5	-	-	-	160	160	594	175	175	740	15	34
6SP30-7	-	-	-	160	160	707	175	175	780	18.6	38
6SP30-9	-	-	-	160	160	820	175	175	860	22.2	46
6SP30-11	-	-	-	160	160	935	175	175	950	25.8	53
6SP30-13	-	-	-	160	160	1050	175	175	1020	29.4	58
6SP30-15	-	-	-	160	160	1160	175	175	1070	33	62
6SP30-18	-	-	-	160	160	1330	175	175	948	38.4	84.5
6SP30-22	-	-	-	160	160	1555	175	175	1020	45.6	96
6SP30-26	-	-	-	160	160	1780	175	175	1060	52.8	108
6SP30-30	-	-	-	160	160	2010	175	175	1150	60	123

Package Dimensions



Model	Whole package size			Split package size						G.W	
				Square paper tube			Wooden box			Pump	Motor
	W	H	L	W	H	L	W	H	L		
6SP46-2	175	175	1065	-	-	-	-	-	-	37.7	-
6SP46-3	175	175	1200	-	-	-	-	-	-	41.7	-
6SP46-4	-	-	-	160	160	765	175	175	740	17.6	34
6SP46-5	-	-	-	160	160	880	175	175	780	20.8	38
6SP46-6	-	-	-	160	160	990	175	175	860	23.8	46
6SP46-7	-	-	-	160	160	1110	175	175	950	26.6	53
6SP46-8	-	-	-	160	160	1220	175	175	1020	29.4	58
6SP46-10	-	-	-	160	160	1440	175	175	1070	36.2	62
6SP46-12	-	-	-	160	160	1670	175	175	948	40.7	84.5
6SP46-14	-	-	-	160	160	1900	175	175	1020	45.8	96
6SP46-16	-	-	-	160	160	2120	175	175	1060	52.1	108
6SP46-18	-	-	-	160	160	2345	175	175	1150	57.0	123
6SP46-21	-	-	-	160	160	2685	175	175	1210	65	136
6SP60-4	-	-	-	160	160	763	175	175	780	12.5	38
6SP60-5	-	-	-	160	160	876	175	175	860	15.0	46
6SP60-6	-	-	-	160	160	989	175	175	950	17.5	53
6SP60-7	-	-	-	160	160	1102	175	175	1020	19.5	58
6SP60-8	-	-	-	160	160	1215	175	175	1070	22.6	62
6SP60-10	-	-	-	160	160	1441	175	175	948	27.6	84.5
6SP60-12	-	-	-	160	160	1667	175	175	1020	32.7	96
6SP60-14	-	-	-	160	160	1893	175	175	1060	37.7	108
6SP60-16	-	-	-	160	160	2119	175	175	1150	42.7	123
6SP60-18	-	-	-	160	160	2345	175	175	1210	47.7	136

TGL/TGW

Single-stage Vertical Industrial Pump

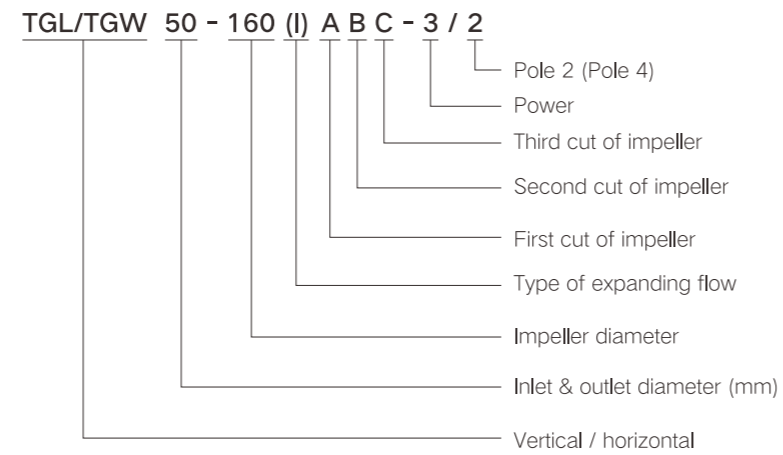


TGL



TGW

Identification Code



Overview of Product

- TGL/TGW series product adopt coaxial design which means motor and pump use the same shaft together, and have advantages of high degree of concentricity, high efficiency, low noise, etc. Compared with similar products, our products are better quality structure stability, simpler to install and easier to use.

Features

- TGL series product adopts YE3 type high-efficiency motor; high efficiency, energy-saving, low temperature rising; pump shaft & fasteners uses 304 stainless material with corrosion-resistant.
- Corrosion resistance & fluid efficiency: fittings use electrophoretic process to enhance corrosion resistance, smoothness of the flow passage and fluid efficiency.
- Mechanical seal adopts special materials purpose-built rubber / graphite / silicon carbide/stainless steel for both hot and cold water, which is suitable for -10°C-40°C
- Durable appearance: appearance of pump uses three-layer spraying and drying process which is specially used in automotive metal; good gloss, fast colour, resistant to corrosion and shedding etc.

TGW

In-line Pump



Application Fields

- TGL/TGW series product is a multifunctional products, widely used in pipeline boosting, river water fetching, corollary equipment, garden irrigation, vegetable greenhouse water supply, etc.

Application Limits

- Maximum working pressure:16bar, which means pump suction inlet pressure plus head shall not over 16bar.
- Applicable medium: non-corrosive liquids, solid insoluble volume should not over 0.1% of the unit volume, and the particle size should less than 0.2 mm.
- Maximum ambient temperature: +40°C, maximum relative humidity: 95%



High-rise building pressurization and supply



Air conditioner system



Circulating water in HVAC



Circulating water in cooling tower

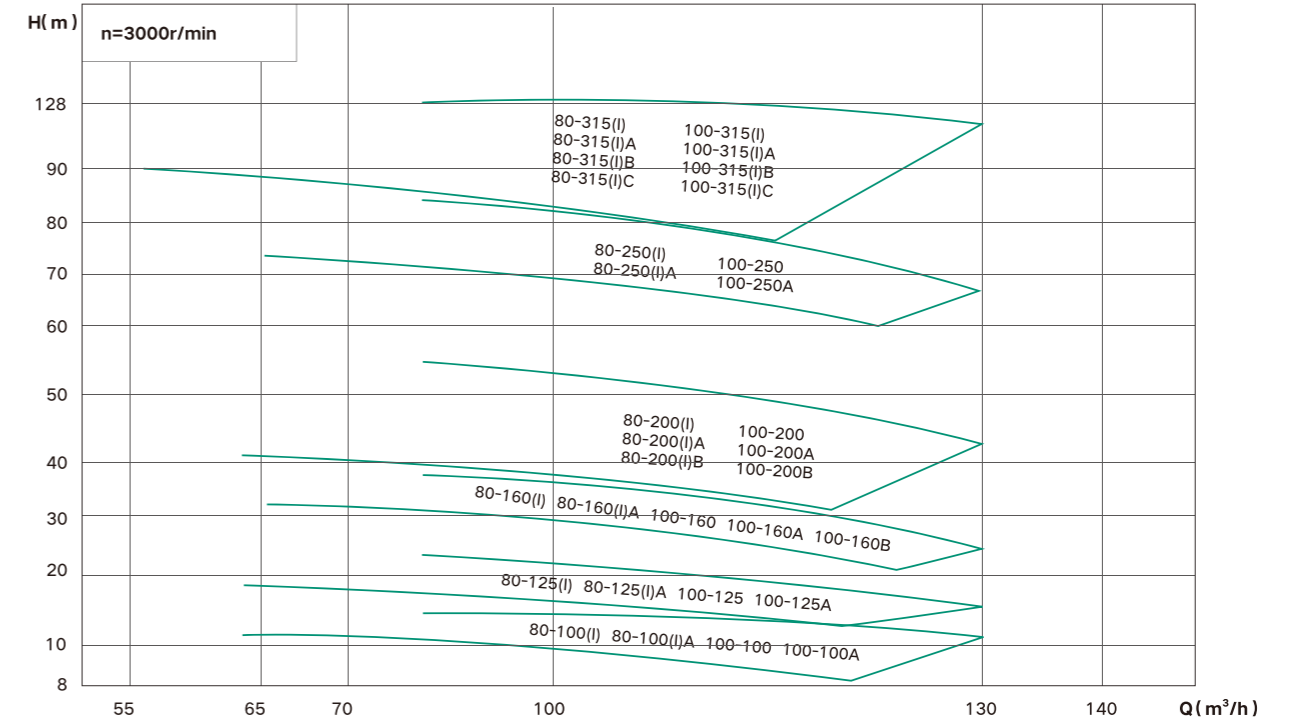
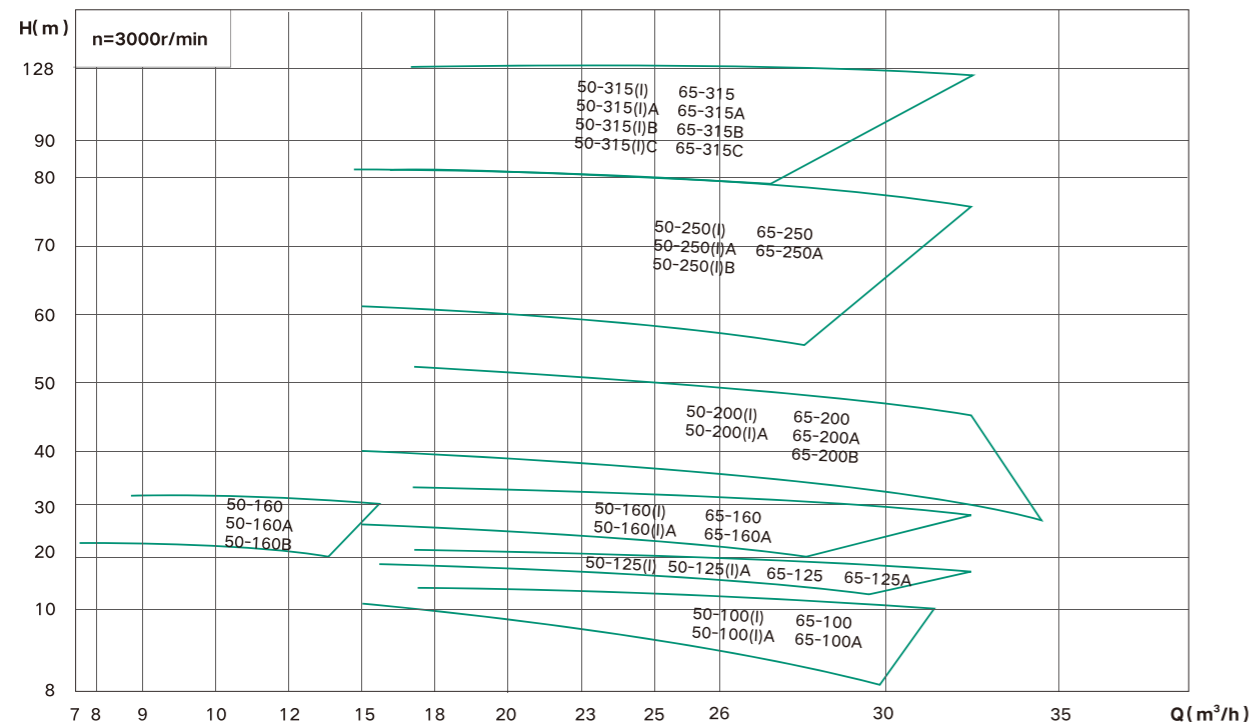
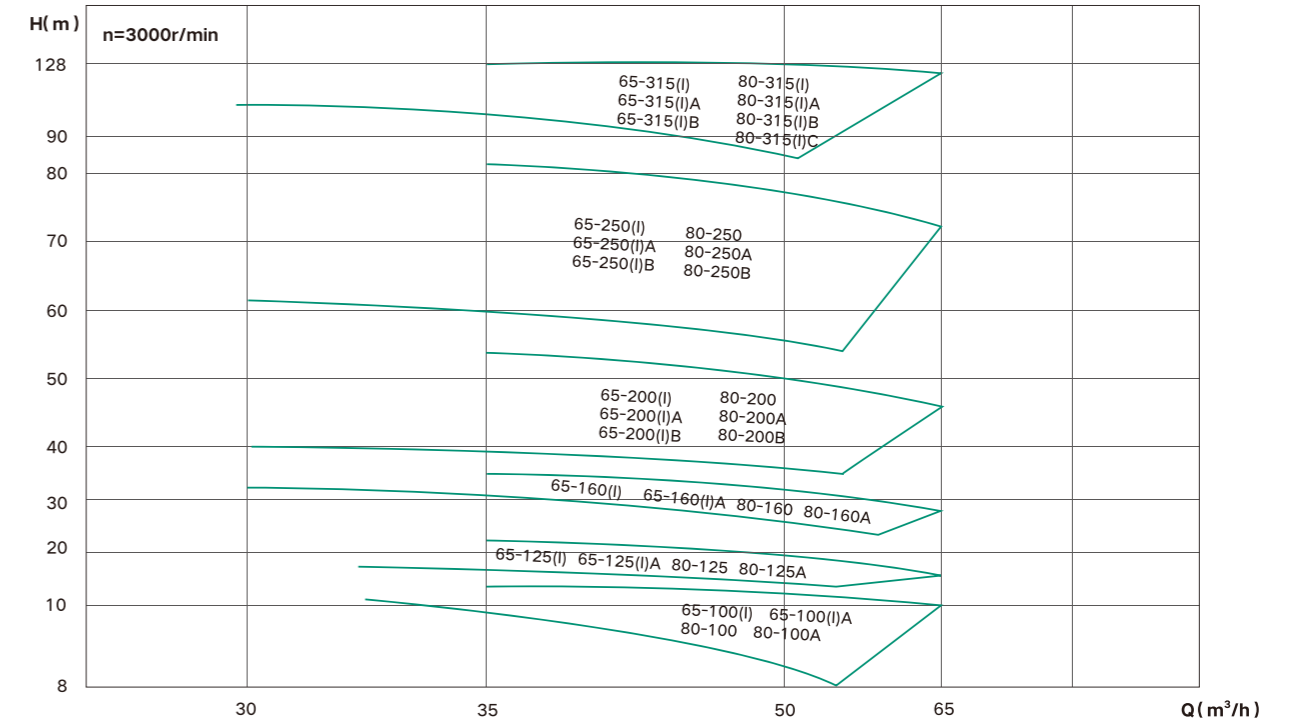
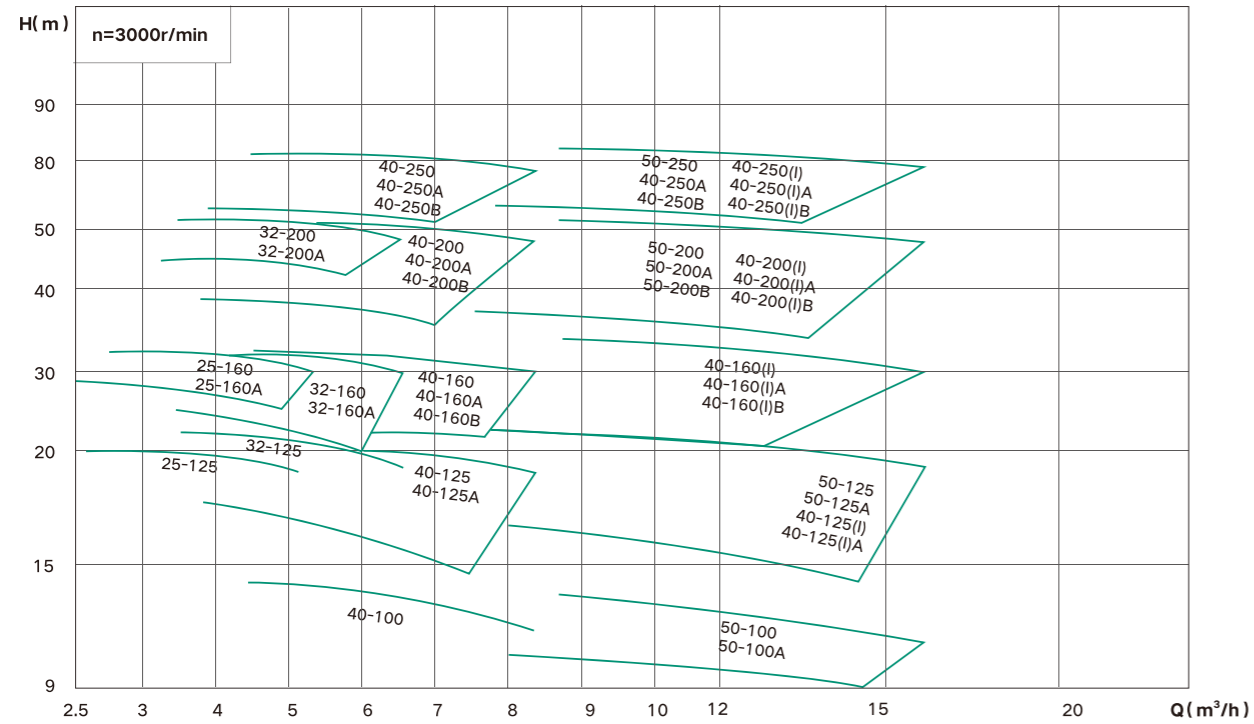


Factories supporting equipment water supply

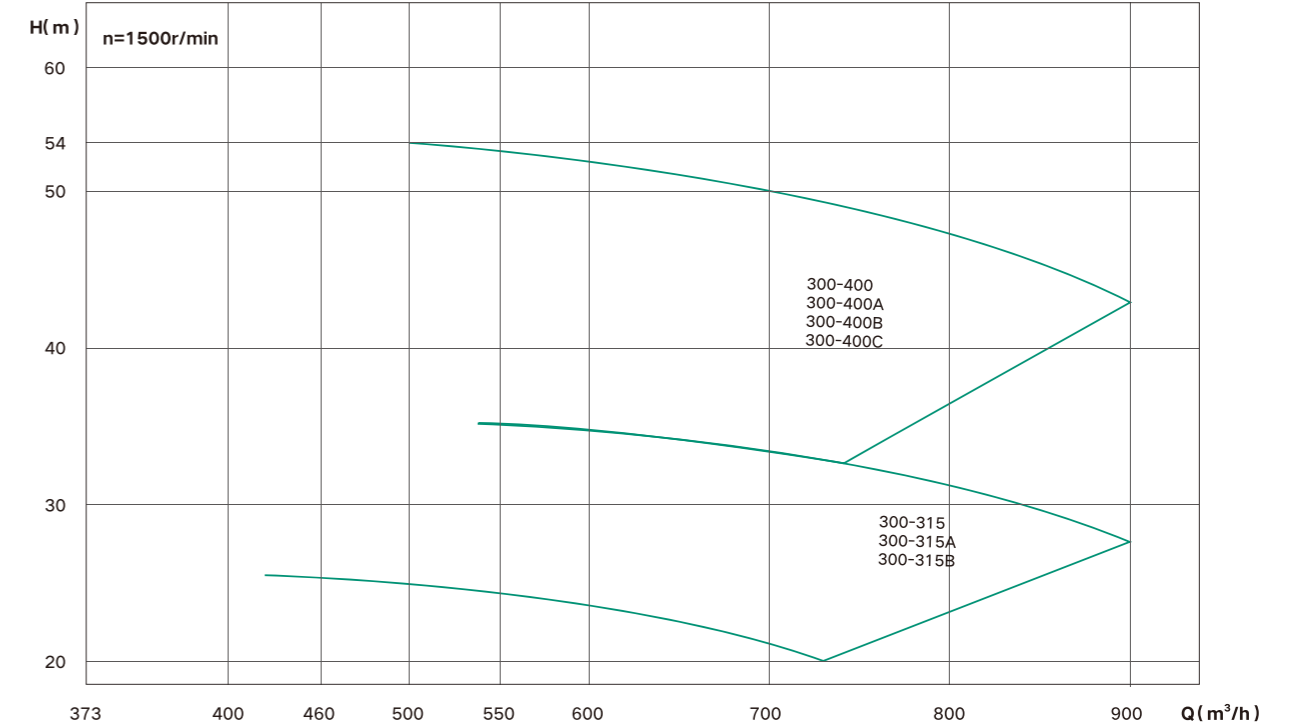
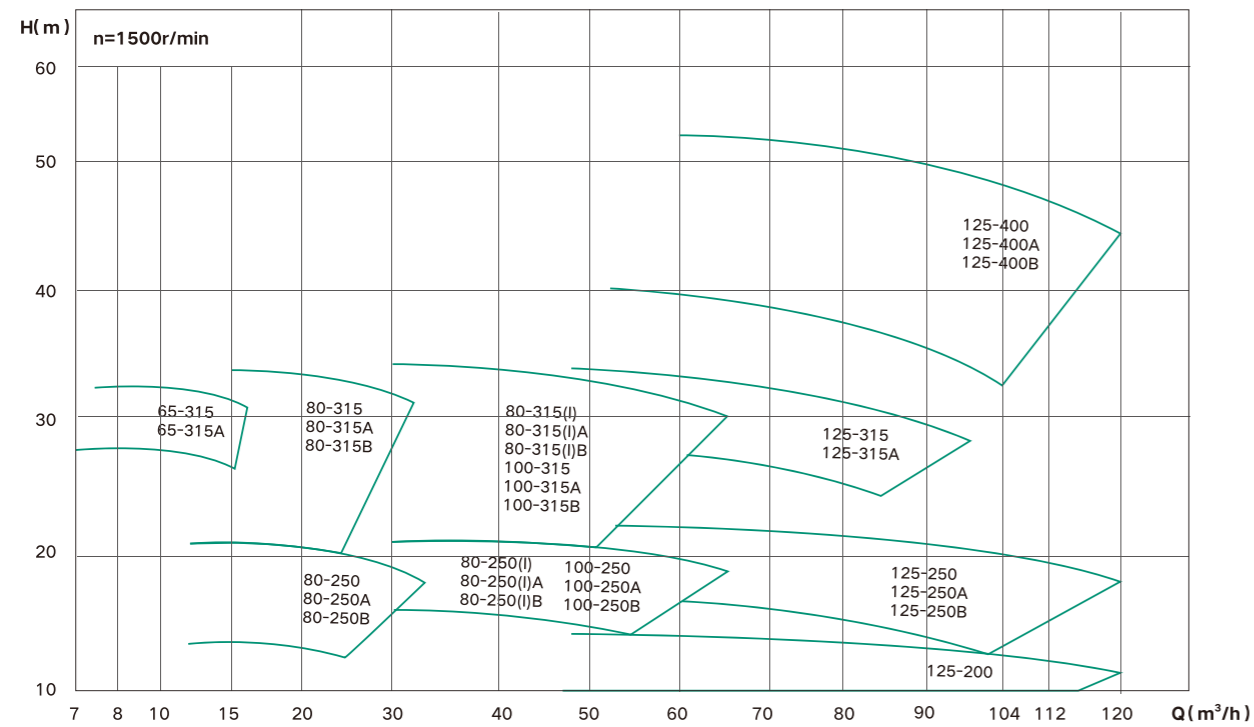
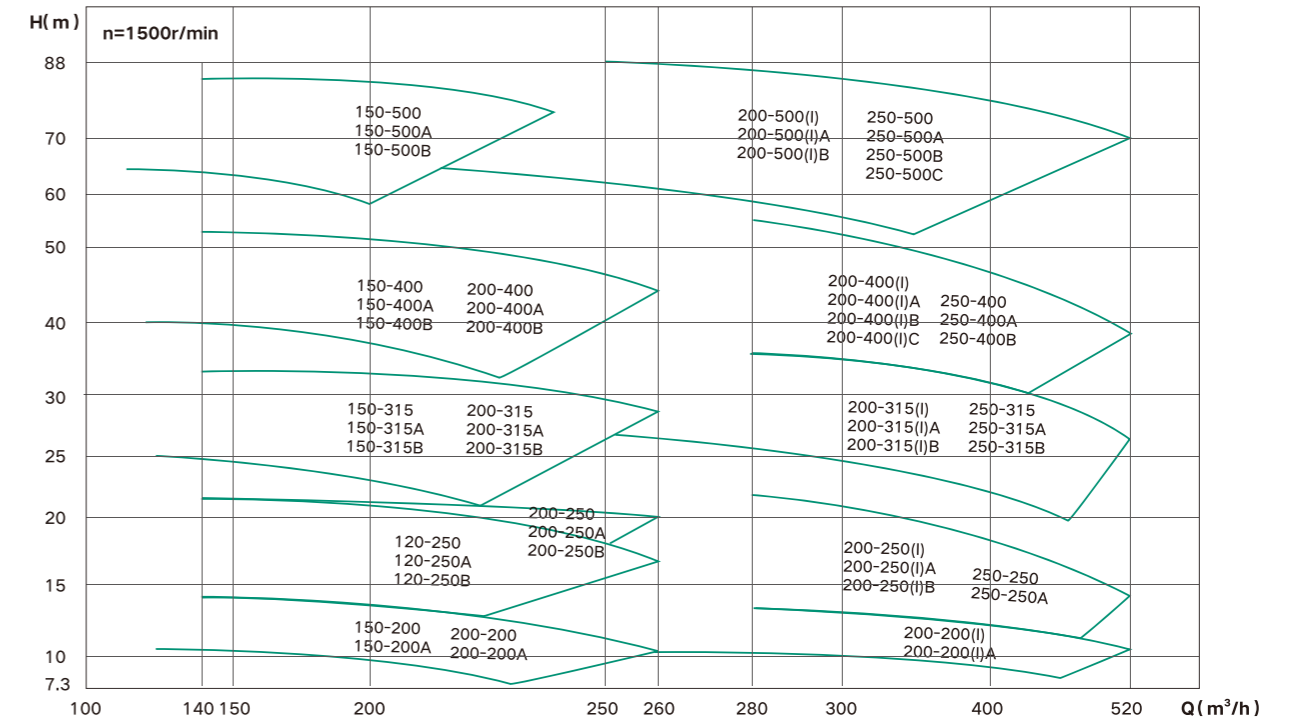
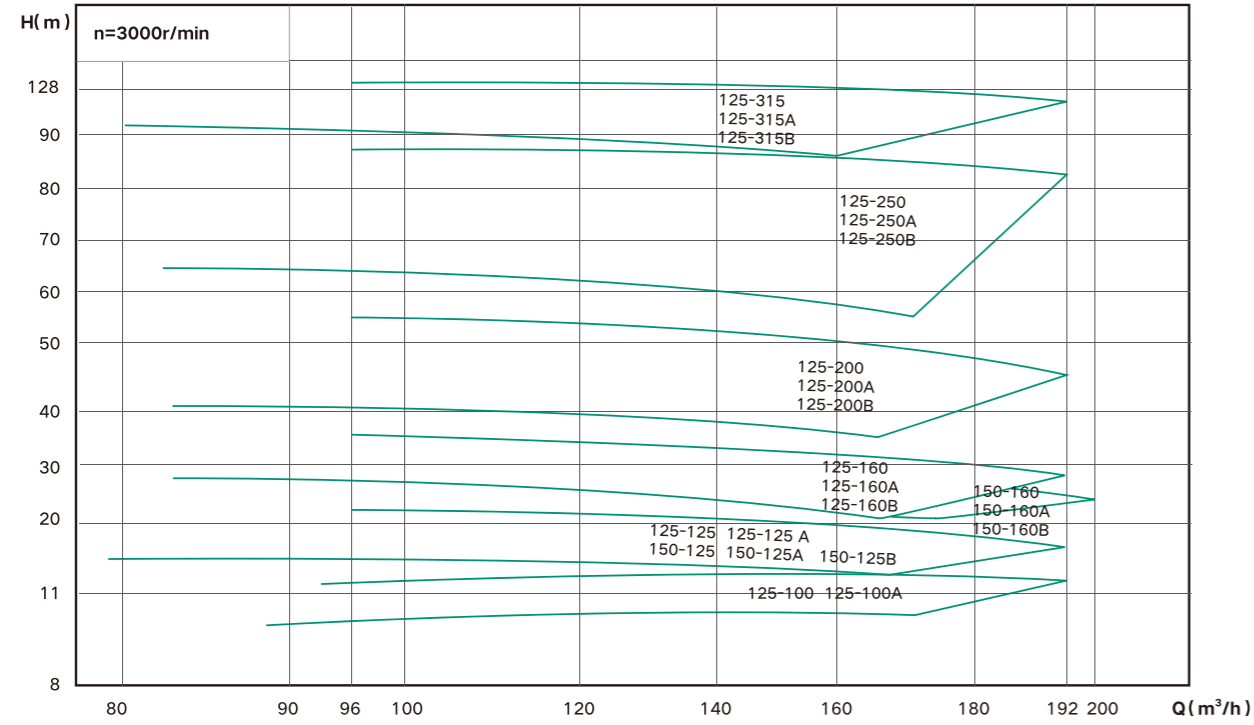


Agricultural sprinkler& drip irrigation

Performance Range Spectral Chart

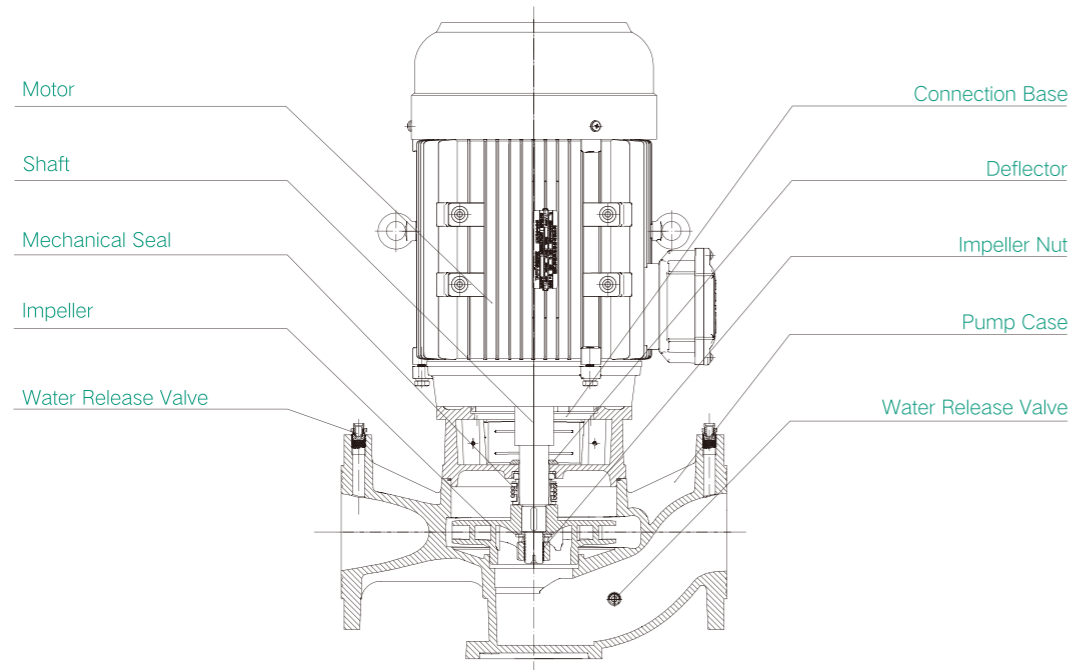


Performance Range Spectral Chart

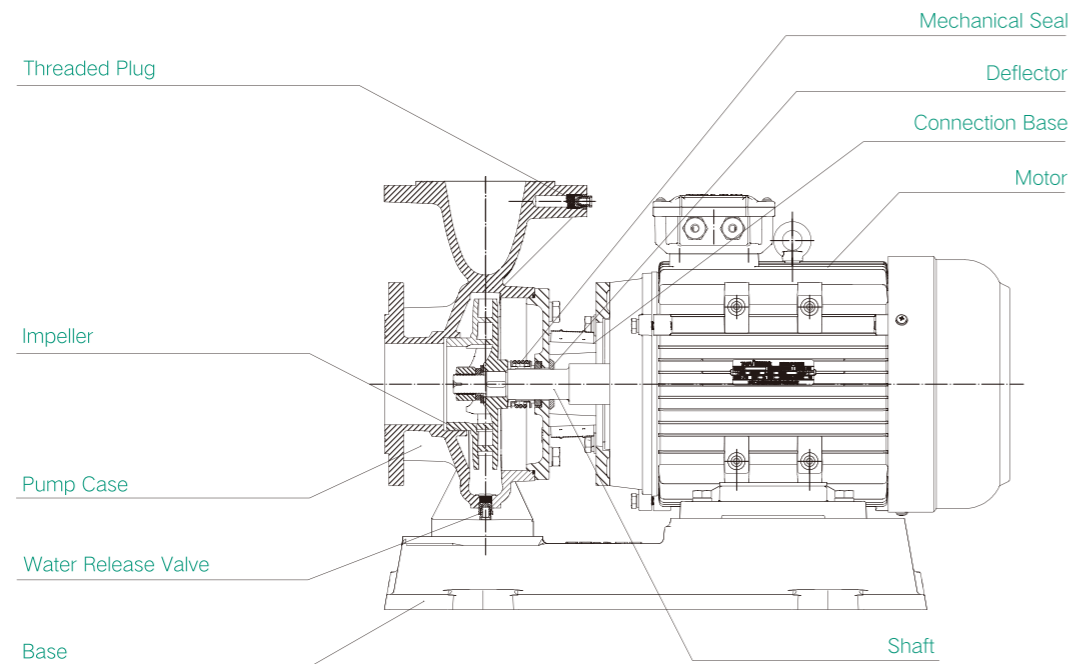


Pump Structure Diagram

TGL Product Structure

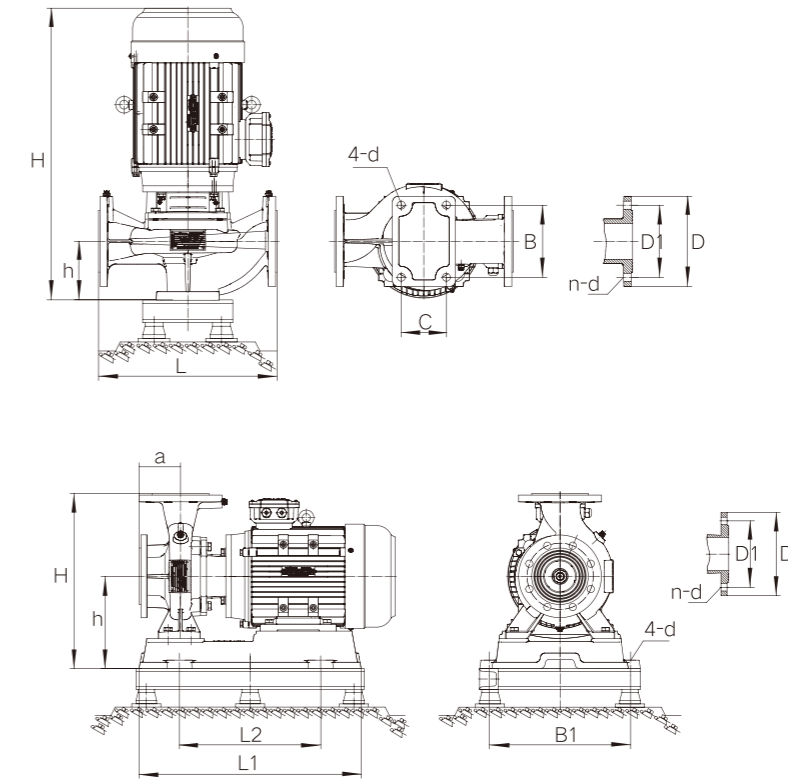


TGW Product Structure



Installation Size Diagram

TGL Product Structure



Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator Type		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
1	25-125/2	2.8	0.78	20.6	28	3000	0.75	2.3	445	265	70	80	50	320	180	90	405	445	210	260	φ115	φ85	4-φ16	SD-1
		4	1.11	20	36																			
2	25-160/2	2.8	0.78	33	24	3000	1.5	2.3	470	315	75	100	60	320	180	90	440	470	250	300	φ115	φ85	4-φ16	SD-1
		4	1.11	32	31.5																			
3	25-160A/2	2.6	0.72	29	22	3000	1.1	2.3	460	315	75	100	60	320	180	90	440	455	250	300	φ115	φ85	4-φ16	SD-1
		3.7	1.03	28	31																			
4	32-125/2	3.5	0.97	22	40	3000	0.75	2.5	445	270	75	100	60	320	180	90	440	455	250	310	φ140	φ100	4-φ16	SD-1
		5	1.39	20	43																			
5	32-160/2	3.5	0.97	33	24	3000	1.5	2.5	470	320	80	120	70	375	210	85	455	465	250	310	φ140	φ100	4-φ16	SD-1
		5	1.39	32	35																			
		6.5	1.81	30	36.5																			

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension							Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D	D1	n-d		Type	
		6	32-160A/2						3.5	0.97	26.5	24	3000	1.1	2.5	460	320	80	120	70	370	205	85		455	450
4.5	1.25	25	38.6	5	1.39	50	27.5	565	338	90	130	80				405	230	85	490	530	300	350	φ 140	φ 100	4-φ 16	SD-1
6	1.67	19	39.5	3.1	0.86	44.6	22	530	338	90	130	80				395	220	85	455	505	280	310	φ 140	φ 100	4-φ 16	SD-1
7	32-200/2	3.5	0.97	51	26	3000	3	2.5	565	338	90	130	80	405	230	85	490	530	300	350	φ 140	φ 100	4-φ 16	SD-1		
5	1.39	50	27.5	6.5	1.81				48	29	565	338	90	130	80	405	230	85	490	530	300	350	φ 140	φ 100	4-φ 16	SD-1
6.5	1.81	48	29	3.1	0.86				44.6	22	530	338	90	130	80	395	220	85	455	505	280	310	φ 140	φ 100	4-φ 16	SD-1
8	32-200A/2	4.5	1.25	44	27	3000	2.2	2.5	530	338	90	130	80	395	220	85	455	505	280	310	φ 140	φ 100	4-φ 16	SD-1		
5.8	1.61	42.7	28.5	4.4	1.22				13.2	43	445	270	85	120	70	260	145	95	405	460	260	125	φ 150	φ 110	4-φ 18	SD-1
4.4	1.22	13.2	43	6.3	1.75				12.5	50.5	445	270	85	120	70	260	145	95	405	460	260	125	φ 150	φ 110	4-φ 18	SD-1
9	40-100/2	4.4	1.22	13.2	43	3000	0.75	2.8	445	270	85	120	70	260	145	95	405	460	260	125	φ 150	φ 110	4-φ 18	SD-1		
6.3	1.75	12.5	50.5	8.3	2.31				11.3	48	445	270	85	120	70	260	145	95	405	460	260	125	φ 150	φ 110	4-φ 18	SD-1
8.3	2.31	11.3	48	4.4	1.22				21	41	445	270	85	120	70	260	145	95	405	460	260	125	φ 150	φ 110	4-φ 18	SD-1
10	40-125/2	4.4	1.22	21	41	3000	1.1	2.8	460	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1		
6.3	1.75	20	47.5	8.3	2.31				18	43	460	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1
8.3	2.31	18	43	3.9	1.08				17.6	40	460	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1
11	40-125A/2	5.6	1.56	16	46	3000	0.75	2.8	445	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1		
7.4	2.06	14.4	41	4.4	1.22				33	35	445	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1
7.4	2.06	14.4	41	6.3	1.75				32	40.9	445	280	85	120	70	305	165	80	405	445	210	260	φ 150	φ 110	4-φ 18	SD-1
12	40-160/2	4.4	1.22	33	35	3000	2.2	2.8	490	320	80	120	70	375	210	85	455	489	250	310	φ 150	φ 110	4-φ 18	SD-1		
6.3	1.75	32	40.9	8.3	2.31				30	40	490	320	80	120	70	375	210	85	455	489	250	310	φ 150	φ 110	4-φ 18	SD-1
8.3	2.31	30	40	4.1	1.44				29	34	490	320	80	120	70	375	210	85	455	489	250	310	φ 150	φ 110	4-φ 18	SD-1
13	40-160A/2	5.9	1.64	28	39	3000	1.5	2.8	470	320	80	120	70	375	210	85	455	465	250	310	φ 150	φ 110	4-φ 18	SD-1		
7.8	2.17	26.3	39	4.1	1.44				29	34	470	320	80	120	70	375	210	85	455	465	250	310	φ 150	φ 110	4-φ 18	SD-1
7.8	2.17	26.3	39	3.8	1.06				25.5	34	470	320	80	120	70	375	210	85	455	465	250	310	φ 150	φ 110	4-φ 18	SD-1
14	40-160B/2	5.5	1.53	24	38	3000	1.1	2.8	460	320	80	120	70	370	205	85	455	450	210	260	φ 150	φ 110	4-φ 18	SD-1		
7.2	2.0	22.5	37	4.4	1.22				51	26	460	320	80	120	70	370	205	85	455	450	210	260	φ 150	φ 110	4-φ 18	SD-1
4.4	1.22	51	26	6.3	1.75				50	33	460	320	80	120	70	370	205	85	455	450	210	260	φ 150	φ 110	4-φ 18	SD-1
15	40-200/2	4.4	1.22	51	26	3000	4	2.8	525	338	90	130	80	405	230	85	490	560	300	350	φ 150	φ 110	4-φ 18	SD-1		
6.3	1.75	50	33	8.3	2.31				48	32	525	338	90	130	80	405	230	85	490	560	300	350	φ 150	φ 110	4-φ 18	SD-1
8.3	2.31	48	32	4.1	1.14				45	26	525	338	90	130	80	405	230	85	490	560	300	350	φ 150	φ 110	4-φ 18	SD-1
16	40-200A/2	5.9	1.64	44	31	3000	3	2.8	495	338	90	130	80	405	230	85	490	530	300	350	φ 150	φ 110	4-φ 18	SD-1		
7.8	2.17	42	30	4.1	1.14				45	26	495	338	90	130	80	405	230	85	490	530	300	350	φ 150	φ 110	4-φ 18	SD-1
7.8	2.17	42	30	3.7	1.08				38	23	495	338	90	130	80	405	230	85	490	530	300	350	φ 150	φ 110	4-φ 18	SD-1
17	40-200B/2	5.3	1.47	36	29	3000	2.2	2.8	470	338	90	130	80	395	220	85	455	505	280	310	φ 150	φ 110	4-φ 18	SD-1		
7	1.94	34.5	24	5.3	1.47				36	29	470	338	90	130	80	395	220	85	455	505	280	310	φ 150	φ 110	4-φ 18	SD-1
7	1.94	34.5	24	4.4	1.22				82	24	470	338	90	130	80	395	220	85	455	505	280	310	φ 150	φ 110	4-φ 18	SD-1
18	40-250/2	6.3	1.75	80	26.5	3000	7.5	2.8	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1		
8.3	2.31	75	28	6.3	1.75				80	26.5	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1
8.3	2.31	75	28	4.1	1.14				72	24	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1
19	40-250A/2	5.9	1.64	70	24.5	3000	5.5	2.8	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1		
7.8	2.17	65	26	5.9	1.64				70	24.5	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1
7.8	2.17	65	26	3.8	1.06				61.5	23	580	405	100	130	80	455	255	80	540	625	340	380	φ 150	φ 110	4-φ 18	SD-1
20	40-250B/2	5.5	1.53	60	23.5	3000	4	2.8	535	405	100	130	80	455	255	80	540	570	340	380	φ 150	φ 110	4-φ 18	SD-1		
7	1.94	56	24.5	5.5	1.53				60	23.5	535	405	100	130	80	455	255	80	540	570	340	380	φ 150	φ 110	4-φ 18	SD-1
7	1.94	56	24.5																							

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension							Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D	D1	n-d		Type	
		21	40-125(I)/2						8.8	2.44	21.2	49	3000	1.5	2.8	430	300	90	120	70	320	170	90		440	480
12.5	3.47	20	58.5	16.3	4.53	17.8	57	430	300	90	120	70				320	170	90	440	480	250	300	φ 150	φ 110	4-φ 18	SD-1
16.3	4.53	17.8	57	8	2.22	17	47	430	300	90	120	70				320	170	90	440	480	250	300	φ 150	φ 110	4-φ 18	SD-1
22	40-125(I)A/2	8	2.22	17	47	3000	1.1	2.8	415	300	90	120	70	315	165	90	440	465	210	260	φ 150	φ 110	4-φ 18	SD-1		
11	3.05	16	57	14.5	4.03				14	54	415	300														

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator			
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d	Type
		36	50-160/2						8.8	2.44	33	45	3000	3	3.0	505	320	100	130	80	385		220	85	485
37	50-160A/2	12.5	3.47	32	52.5	3000	2.2	3.0	465	320	100	130	80	385	220	85	455	495	280	310	φ 165	φ 125	4-φ 18	SD-1	
		16.3	4.53	30	53																				
38	50-160B/2	8.2	2.28	29	44	3000	1.5	3.0	440	320	100	130	80	385	220	85	455	470	280	310	φ 165	φ 125	4-φ 18	SD-1	
		11.7	3.25	28	51																				
39	50-200/2	7.3	2.38	23	42	3000	5.5	3.0	580	352	95	130	80	400	220	85	535	635	340	340	φ 165	φ 125	4-φ 18	SD-1	
		10.4	2.89	22	50																				
40	50-200A/2	8.8	2.44	52	38	3000	4	3.0	530	352	95	130	80	400	220	85	490	580	300	340	φ 165	φ 125	4-φ 18	SD-1	
		12.5	3.47	50	46.5																				
41	50-200B/2	16.3	4.53	48	46	3000	3	3.0	500	352	95	130	80	400	220	85	490	555	300	340	φ 165	φ 125	4-φ 18	SD-1	
		8.3	2.31	45.8	37																				
42	50-250/2	11.7	3.25	44	45	3000	11	3.0	685	435	110	160	100	495	270	100	640	735	430	430	φ 165	φ 125	4-φ 18	SD-1	
		15.3	4.25	42	45																				
43	50-250A/2	7.5	2.08	37	35	3000	7.5	3.0	595	435	110	160	100	480	255	100	540	645	340	380	φ 165	φ 125	4-φ 18	SD-1	
		10.6	2.94	36	44																				
44	50-250B/2	13.8	3.83	34	42	3000	5.5	3.0	595	435	110	160	100	480	255	100	540	645	340	380	φ 165	φ 125	4-φ 18	SD-1	
		8.8	2.44	82	29																				
45	50-100(I)/2	12.5	3.47	80	40	3000	1.5	3.0	440	310	100	160	100	370	210	95	440	510	300	350	φ 165	φ 125	4-φ 18	SD-1	
		16.3	4.53	77.5	40																				
46	50-100(I)A/2	8.2	2.28	71.5	28	3000	1.1	3.0	425	310	100	160	100	370	210	95	440	470	250	300	φ 165	φ 125	4-φ 18	SD-1	
		11.6	3.22	70	38																				
47	50-125(I)/2	15.2	4.22	68	39	3000	3	3.0	480	340	105	160	100	365	220	105	455	555	280	310	φ 165	φ 125	4-φ 18	SD-1	
		7.6	2.11	61.4	28																				
48	50-125(I)A/2	10.8	3	60	37	3000	2.2	3.0	480	340	105	160	100	365	220	105	455	515	280	310	φ 165	φ 125	4-φ 18	SD-1	
		14	3.89	58	37																				
49	50-160(I)/2	17.5	4.86	13.7	67	3000	4	3.0	540	360	105	160	100	405	230	80	505	665	300	350	φ 165	φ 125	4-φ 18	SD-1	
		25	6.94	32	63.5																				
50	50-160(I)A/2	32.5	9.03	27.5	60	3000	3	3.0	510	360	105	160	100	405	230	80	505	640	300	350	φ 165	φ 125	4-φ 18	SD-1	
		15	4.17	26	49																				

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator			
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d	Type
		51	50-200(I)/2						17.5	4.86	52.7	49	3000	7.5	3.0	595	390	105	160	100	405		220	100	535
52	50-200(I)A/2	25	6.94	50	58.5	3000	5.5	3.0	595	390	105	160	100	405	220	100	535	640	340	340	φ 165	φ 125	4-φ 18	SD-1	
		32.5	9.03	45.5	59																				
53	50-250(I)/2	15.2	4.22	40	45	3000	11	3.0	695	475	120	180	120	515	270	105	695	740	430	440	φ 165	φ 125	4-φ 18	SD-1	
		21.8	6.06	38	57																				
54	50-250(I)A/2	28.3	7.86	34.5	58.5	3000	18.5	3.0	785	550	130	180	120	565	290	130	740	850	405	460	φ 165	φ 125	4-φ 18	SD-1	
		17.5	4.86	82	39																				
55	50-250(I)B/2	25	6.94	80	52.5	3000	11	3.0	695	475	120	180	120	515	270	105	695	740	430	440	φ 165	φ 125	4-φ 18	SD-1	
		32.5	9.03	76.5	53																				
56	50-315(I)/2	16.4	4.56	71.5	39	3000	30	3.0	865	550	130	180	120	565	290	130	740	930	405	460	φ 165	φ 125	4-φ 18	SD-1	
		23.4	6.5	70	51																				
57	50-315(I)A/2	30.5	8.47	67	52	3000	22	3.0	785	550	130	180	120	565	290	130	740	850	405	460	φ 165	φ 125	4-φ 18	SD-1	
		15	4.17	61	38																				
58	50-315(I)B/2	21.6	6	60	49	3000	18.5	3.0	785	550	130	180	120	565	290	130	740	850	405	460	φ 165	φ 125	4-φ 18	SD-1	
		28	7.78	57.4	54																				
59	50-315(I)C/2	17.5	4.86	128	30	3000	15	3.0	705	550	130	180	120	565	290	130	740	770	405	460	φ 165	φ 125	4-φ 18	SD-1	
		25	6.94	125	43.5																				
60	65-100/2	32.5	9.03	122	44	3000	1.5	3.2	495	310	95	160	100	380	220	95	455	510	280	310	φ 185	φ 145	4-φ 18	SD-1	
		16.6	4.61	115	30																				
61	65-100A/2	23.7	6.58	113	41.5	3000	1.1	3.2	455	325	95	160	100	380	220	95	440	470	250	300	φ 185	φ 145	4-φ 18	SD-1	
		31	8.6	110	44																				
62	65-125/2	15.7	4.36	103	30	3000	3	3.2	480	335	105	160	100	385	220	85	485	530	280	320	φ 185	φ 145	4-φ 18	SD-1	
		22.5	6.25	101	40																				
63	65-125A/2	29.2	8	98	42	3000	2.2	3.2	480	335	105	160	100	385	220	85	485	505	280	320	φ 185	φ 145	4-φ 18	SD-1	
		14.4	4	86	30																				
64	65-160/2	20.6	5.72	85	38	3000	4	3.2	540	355	105	160	100	405	230	80	505	575	300	350	φ 185	φ 145	4-φ 18	SD-1	
		26.8	7.44	83	40																				
65	65-160A/2	17.5	4.86	13.7	67	3000	3	3.2	510	355	105	160	100	405	230	80	505	550	300	350	φ 185	φ 145	4-φ 18	SD-1	
		25	6.94	32	63.5																				
65	65-160A/2	32.5	9.03	27.5	60	3000	3	3.2	510	355	105	160	100	405	230	80	505	550	300	350	φ 185	φ 145	4-φ 18	SD-1	
		15	4.17	26	49																				

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
66	65-200/2	17.5	4.86	52.7	49	3000	7.5	3.2	595	395	105	160	100	405	220	100	535	640	340	340	φ 185	φ 145	4-φ 18	SD-1
		25	6.94	50	58.5																			
		32.5	9.03	45.5	59																			
67	65-200A/2	16.4	4.56	46.4	48	3000	7.5	3.2	595	395	105	160	100	405	220	100	535	640	340	340	φ 185	φ 145	4-φ 18	SD-1
		23.5	6.53	44	57																			
		30.5	8.47	40	58																			
68	65-200B/2	15.2	4.22	40	45	3000	5.5	3.2	595	395	105	160	100	405	220	100	535	640	340	340	φ 185	φ 145	4-φ 18	SD-1
		21.8	6.06	38	55																			
		28.3	7.86	34.5	55																			
69	65-250/2	17.5	4.86	82	39	3000	15	3.2	695	470	120	180	120	500	270	105	695	740	430	440	φ 185	φ 145	4-φ 18	SD-1
		25	6.94	80	52.5																			
		32.5	9.03	76.5	52																			
70	65-250A/2	16.4	4.56	71.5	39	3000	11	3.2	695	470	120	180	120	500	270	105	695	740	430	440	φ 185	φ 145	4-φ 18	SD-1
		23.4	6.5	70	51																			
		30.5	8.47	67	52																			
71	65-315/2	17.5	4.86	127	32	3000	30	3.2	865	550	130	180	120	565	290	130	740	930	405	460	φ 185	φ 145	4-φ 18	SD-1
		25	6.94	125	43.5																			
		32.5	9.03	122	44																			
72	65-315A/2	16.6	4.61	115	32	3000	22	3.2	785	550	130	180	120	565	290	130	740	850	405	460	φ 185	φ 145	4-φ 18	SD-1
		23.7	6.58	113	41.5																			
		31	8.6	110	44																			
73	65-315B/2	15.7	4.36	103	30	3000	18.5	3.2	785	550	130	180	120	565	290	130	695	850	430	440	φ 185	φ 145	4-φ 18	SD-1
		22.5	6.25	101	40																			
		29.2	8	98	42																			
74	65-315C/2	14.4	4	86	28	3000	15	3.2	705	550	130	180	120	565	290	130	740	770	405	460	φ 185	φ 145	4-φ 18	SD-1
		20.6	5.72	85	38																			
		26.8	7.44	83	40																			
75	65-100(I)/2	35	9.72	13.8	67	3000	3	3.2	535	400	130	160	100	380	220	95	505	560	300	350	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	12.5	75																			
		65	18.1	10	70																			
76	65-100(II)/2	32.3	8.7	11	66	3000	2.2	3.2	495	400	130	160	100	370	210	95	485	535	280	320	φ 185	φ 145	4-φ 18	SD-1
		44.7	12.4	10	73																			
		58	16.1	8	69																			
77	65-125(II)/2	35	9.72	22	67	3000	5.5	3.2	600	400	125	160	100	385	220	105	535	630	340	340	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	20	73.5																			
		65	18.1	17	70																			
78	65-125(I)/2	31.3	8.7	17.5	66	3000	4	3.2	600	400	125	160	100	385	220	105	490	590	300	340	φ 185	φ 145	4-φ 18	SD-1
		45	12.5	16	72																			
		58	16.1	13.6	69																			
79	65-160(II)/2	35	9.75	35	63	3000	7.5	3.2	595	400	120	160	100	420	220	100	535	635	340	340	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	32	73																			
		65	18.1	28	70																			
80	65-160(I)/2	32.7	9.7	30.6	62	3000	5.5	3.2	595	400	120	160	100	420	220	100	535	625	340	340	φ 185	φ 145	4-φ 18	SD-1
		46.7	13	28	71																			
		61	16.9	24	69																			

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
81	65-200(II)/2	35	9.72	53.5	55	3000	15	3.2	715	425	135	160	100	455	270	100	640	640	430	430	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	50	67.5																			
		65	18.1	46	68																			
82	65-200(I)A/2	32.8	9.1	47	54	3000	11	3.2	715	425	135	160	100	455	270	100	640	640	430	430	φ 185	φ 145	4-φ 18	SD-1
		47	13.1	44	66																			
		61	16.9	40	67																			
83	65-200(II)B/2	30.5	8.5	40.6	52	3000	7.5	3.2	715	425	135	160	100	440	255	100	540	630	340	380	φ 185	φ 145	4-φ 18	SD-1
		43.5	12.1	38	64																			
		56.6	15.7	33.4	65																			
84	65-250(II)/2	35	9.72	83	52	3000	22	3.2	785	480	130	180	120	510	270	125	740	845	405	460	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	80	63																			
		65	18.1	72	60																			
85	65-250(I)A/2	32.5	9	73	52	3000	18.5	3.2	785	480	130	180	120	510	270	125	740	810	405	460	φ 185	φ 145	4-φ 18	SD-1
		46.7	13	70	61																			
		61	16.6	63	60																			
86	65-250(II)B/2	30	8.3	62	50	3000	15	3.2	705	480	130	180	120	510	270	125	740	765	430	440	φ 185	φ 145	4-φ 18	SD-1
		43.3	12	60	60																			
		56	15.6	54	58																			
87	65-315(II)/2	35	9.72	128	44	3000	37	3.2	870	585	135	220	160	620	315	140	795	935	460	450	φ 185	φ 145	4-φ 18	SD-1
		50	13.9	125	55																			
		65	18.1	121	57																			
88	65-315(I)A/2	32.5	9	113	43	3000	30	3.2	870	585	135	220	160	620	315	140	795	935	460	450	φ 185	φ 145	4-φ 18	SD-1
		46.5	12.9	110	53																			
		60.5	16.8	106	57																			
89	65-315(II)B/2	29	8	98	38	3000	22	3.2	710	585	135	220	160	620	315	140	740	770	405	460	φ 185	φ 145	4-φ 18	SD-1
		41	11.4	85	51																			
		53.6	14.9	83	52																			
90	80-100/2	35	9.72	13.8	67	3000	3	3.5	535	400	130	160	100	380	220	95	505	560	300	350	φ 200	φ 160	8-φ 18	SD-1
		50	13.9	12.5	75																			
		65	18	10	70																			
91	80-100A/2	31.3	8.7	11	66	3000	2.2	3.5	495	400	130	160	100	370	210	95	485	535	280	320	φ 200	φ 160	8-φ 18	SD-1
		44.7	12.4	10	73																			
		58	16.1	8	69																			
92	80-125/2	35	9.72	22	67	3000	5.5	3.5	600	400	125	160	100	385	220	105	535	630	340	340	φ 200	φ 160	8-φ 18	SD-1
		50	13.9	20	73.5																			
		65	18.1	17	70																			
93	80-125A/2	31.3	8.7	17.5	66	3000	4	3.5	600	400	125	160	100	385	220	105	490	590	300	340	φ 200	φ 160	8-φ 18	SD-1
		45	12.5	16	72																			
		58	16.1	13.6	69																			
94	80-160/2	35	9.72	35	63	3000	7.5	3.5	595	395	130	160	100	420	220	100	535	635	340	340	φ 200	φ 160	8-φ 18	SD-1
		50	13.9	32	73																			
		65	18	28	70																			
95	80-160A/2	32.7	9.1	30.6	62	3000	5.5	3.5	595	395														

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
96	80-200/2	35	9.72	53.5	55	3000	15	3.5	715	430	130	160	100	460	270	105	535	650	430	430	φ200	φ160	8-φ18	SD-1
		50	13.9	50	67.5																			
		65	18	46	68																			
97	80-200A/2	32.8	9.1	47	55	3000	11	3.5	715	430	130	160	100	460	270	105	535	650	430	430	φ200	φ160	8-φ18	SD-1
		47	13.1	44	66																			
		61	16.9	40	67																			
98	80-200B/2	30.5	8.5	40.6	52	3000	7.5	3.5	615	430	130	160	100	445	255	105	540	640	340	380	φ200	φ160	8-φ18	SD-1
		43.5	12.1	38	64																			
		56.6	15.7	33.4	65																			
99	80-250/2	35	9.72	83	52	3000	22	3.5	785	480	130	180	120	510	270	125	740	845	405	460	φ200	φ160	8-φ18	SD-1
		50	13.9	80	63																			
		65	18.1	72	60																			
100	80-250A/2	32.5	9.03	73	52	3000	18.5	3.5	785	480	130	180	120	510	270	125	740	810	405	460	φ200	φ160	8-φ18	SD-1
		46.7	13	70	61																			
		61	16.9	63	60																			
101	80-250B/2	30	8.3	62	50	3000	15	3.5	705	480	130	180	120	510	270	125	695	765	430	440	φ200	φ160	8-φ18	SD-1
		43.3	12	60	60																			
		56	15.3	54	58																			
102	80-315/2	35	9.72	128	43	3000	37	3.5	870	585	135	220	160	620	315	140	795	935	460	450	φ200	φ160	8-φ18	SD-1
		50	13.9	125	55																			
		65	18	122	57																			
103	80-315A/2	32.5	9.03	113	41	3000	30	3.5	870	585	135	220	160	620	315	140	795	935	460	450	φ200	φ160	8-φ18	SD-1
		46.5	12.9	110	53																			
		60.5	16.8	107	55																			
104	80-315B/2	31	8.6	103	39	3000	30	3.5	870	535	135	220	160	620	315	140	795	935	460	450	φ200	φ160	8-φ18	SD-1
		44.5	12.4	100	51																			
		58	16.1	98	53																			
105	80-315C/2	29	8.1	87	39	3000	22	3.5	710	585	135	220	120	620	315	140	740	770	405	460	φ200	φ160	8-φ18	SD-1
		41	11.4	85	49																			
		53.6	14.9	83	53																			
106	80-100(I)/2	70	19.4	13.6	66	3000	5.5	3.5	615	460	140	180	120	425	220	115	535	665	340	340	φ200	φ160	8-φ18	SD-1
		100	27.8	12.5	76																			
		130	36.1	11	75																			
107	80-100(I)A/2	62.6	17.4	11	70	3000	4	3.5	575	460	140	180	120	425	220	115	490	620	300	340	φ200	φ160	8-φ18	SD-1
		89	24.7	10	75																			
		116	32.2	8.8	65																			
108	80-125(I)/2	70	19.4	23.5	68	3000	11	3.5	715	440	140	180	120	475	270	120	640	765	430	430	φ200	φ160	8-φ18	SD-1
		100	27.8	20	77																			
		130	36.1	14	75																			
109	80-125(I)A/2	62.6	17.4	19	65	3000	7.5	3.5	615	440	140	180	120	460	255	120	540	670	340	380	φ200	φ160	8-φ18	SD-1
		89	24.7	16	75																			
		116	32.2	11	64																			
110	80-160(I)/2	70	19.4	36.5	65	3000	15	3.5	730	500	155	160	100	525	270	100	640	740	430	430	φ200	φ160	8-φ18	SD-1
		100	27.8	32	77																			
		130	36.1	24	73																			

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
111	80-160(I)A/2	65.4	18.2	32	68	3000	11	3.5	730	500	155	160	100	525	270	100	640	740	430	430	φ200	φ160	8-φ18	SD-1
		93.5	26	28	75																			
		121.6	33.8	21	67																			
112	80-200(I)/2	70	19.4	54	65	3000	22	3.5	790	475	135	180	120	510	270	100	740	740	405	460	φ200	φ160	8-φ18	SD-1
		100	27.8	50	76.5																			
		130	36.1	42	73																			
113	80-200(I)A/2	65.4	18.2	47.5	64	3000	18.5	3.5	790	475	135	180	120	510	270	100	695	790	430	440	φ200	φ160	8-φ18	SD-1
		93.5	26	44	74.5																			
		121.6	33.8	37	72																			
114	80-200(I)B/2	61	16.9	41	61	3000	15	3.5	710	475	135	180	120	510	270	100	695	745	430	440	φ200	φ160	8-φ18	SD-1
		87	24.2	38	73																			
		113	31.4	32	69																			
115	80-250(I)/2	70	19.4	87	62	3000	37	3.5	875	550	140	180	120	565	290	130	795	930	460	450	φ200	φ160	8-φ18	SD-1
		100	27.8	80	71																			
		130	36.1	68	68																			
116	80-250(I)A/2	65.4	18.2	73	61	3000	30	3.5	875	550	140	180	120	565	290	130	795	930	460	450	φ200	φ160	8-φ18	SD-1
		93.5	26	70	69																			
		121.6	33.8	59.5	67																			
117	80-315(I)/2	70	19.4	128	55	3000	75	3.5	1100	585	160	270	185	670	340	135	920	1150	720	460	φ200	φ160	8-φ18	SD-1
		100	27.8	125	66.5																			
		130	36.1	114	67																			
118	80-315(I)A/2	66.5	18.5	119	55	3000	55	3.5	1020	585	160	270	185	670	340	135	850	1070	640	400	φ200	φ160	8-φ18	SD-1
		95	26.4	113	66																			
		123.6	34.3	103	67																			
119	80-315(I)B/2	63	17.5	107	52	3000	45	3.5	940	585	160	270	185	670	340	135	810	990	670	370	φ200	φ160	8-φ18	SD-1
		90	25	101	65																			
		117	32.5	92	64																			
120	80-315(I)C/2	58	16.1	90	50	3000	37	3.5	895	585	160	270	185	645	315	135	795	945	460	450	φ200	φ160	8-φ18	SD-1
		82	22.8	85	63																			
		107	29.7	76	61																			
121	100-100/2	70	19.4	13.6	66	3000	5.5	4.5	615	455	140	180	120	425	220	115	535	665	340	340	φ220	φ180	8-φ18	SD-1
		100	27.8	12.5	76																			
		130	36.1	11	75																			
122	100-100A/2	62.6	17.4	11	64	3000	4	4.5	575	455	140	180	120	425	220	115	490	620	300	340	φ220	φ180	8-φ18	SD-1
		89	24.7	10	75																			
		116	32.2	8.8	74																			
123	100-125/2	70	19.4	23.5	70	3000	11	4.5	715	435	140	180	120	475	270	120	640	765	430	430	φ220	φ180	8-φ18	SD-1
		100	27.8	20	77																			
		130	36.1	14	65																			
124	100-125A/2	62.6	17.4	19	68	3000	7.5	4.5	615	435	140	180	120	460	255	120	540	670	340	380	φ220	φ180	8-φ18	SD-1
		89	24.7	16	75																			
		116	32.2	11	63																			
125	100-160/2	70	19.4	36.5	70	3000	15	4.5	730	495	155	160	100	525	270									

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator				
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d	Type	
		126	100-160A/2						65.4	18.2	32	68	3000	11	4.5	730	495	155	160	100	525		270	100	640	740
		93.5	26	28	75																					
		121.6	33.8	21	77																					
127	100-160B/2	60.6	16.8	27	66	3000	7.5	4.5	730	495	155	160	100	525	270	100	640	740	430	430	φ220	φ180	8-φ18	SD-1		
		86.6	24.1	24	74																					
		112.5	31.3	18	75																					
128	100-200/2	70	19.4	54	65	3000	22	4.5	790	475	135	180	120	510	270	100	740	740	405	460	φ220	φ180	8-φ18	SD-1		
		100	27.8	50	76.5																					
		130	36.1	42	73																					
129	100-200A/2	65.4	18.2	47.5	64	3000	18.5	4.5	790	475	135	180	120	510	270	100	695	790	430	440	φ220	φ180	8-φ18	SD-1		
		93.5	26	44	74.5																					
		121.6	33.8	37	72																					
130	100-200B/2	61	16.9	41	62	3000	15	4.5	710	475	135	180	120	510	270	100	695	745	430	440	φ220	φ180	8-φ18	SD-1		
		87	24.2	38	73																					
		113	31.4	32	69																					
131	100-250/2	70	19.4	87	62	3000	37	4.5	875	550	140	180	120	565	290	130	795	930	460	450	φ220	φ180	8-φ18	SD-1		
		100	27.8	80	71																					
		130	36.1	68	68																					
132	100-250A/2	65.4	18.2	76	61	3000	30	4.5	875	550	140	180	120	565	290	130	795	930	460	450	φ220	φ180	8-φ18	SD-1		
		93.5	26	70	69																					
		121.6	33.8	59.5	67																					
133	100-315/2	70	19.4	132	55	3000	75	4.5	1100	645	160	270	185	670	340	135	1000	1150	800	520	φ220	φ180	8-φ18	SD-1		
		100	27.8	125	66.5																					
		130	36.1	114	67																					
134	100-315A/2	66.5	18.5	119	55	3000	55	4.5	1020	645	160	270	185	670	340	135	920	1070	720	460	φ220	φ180	8-φ18	SD-1		
		95	26.4	113	66																					
		123.6	34.3	103	67																					
135	100-315B/2	63	17.5	107	54	3000	45	4.5	940	645	160	270	185	670	340	135	840	990	610	400	φ220	φ180	8-φ18	SD-1		
		90	25	101	65																					
		117	32.5	92	66																					
136	100-315C/2	58	16.1	90	51	3000	37	4.5	895	645	160	270	185	645	315	135	795	945	460	450	φ220	φ180	8-φ18	SD-1		
		82	22.8	85	63																					
		107	29.7	76	63																					
137	100-160(I)/2	96	26.7	36	69	3000	22	4.5	845	515	145	230	140	530	270	130	725	850	400	455	φ220	φ180	8-φ18	SD-1		
		160	44.4	32	78.5																					
		192	53.3	28	75																					
138	100-160(I)A/2	84	23.3	32	66	3000	18.5	4.5	825	515	145	230	140	510	270	130	695	815	425	440	φ220	φ180	8-φ18	SD-1		
		140	38.9	28	76																					
		168	46.7	23.5	72																					
139	100-160(I)B/2	81	22.5	28	77	3000	15	4.5	825	515	145	230	140	510	270	130	695	815	425	440	φ220	φ180	8-φ18	SD-1		
		135	37.5	24	74																					
		162	45	19.5	79																					
140	100-200(I)/2	96	26.7	53	69	3000	37	4.5	895	570	160	180	120	575	290	130	795	930	460	450	φ220	φ180	8-φ18	SD-1		
		160	44.4	50	78																					
		192	53.3	45	78																					

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator				
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d	Type	
		141	100-200(I)A/2						84	23.3	48	64	3000	30	4.5	895	570	160	180	120	575		290	130	795	930
		140	38.9	45	76																					
		168	46.7	40	73																					
142	100-200(I)B/2	60	16.7	43	72	3000	22	4.5	865	570	160	180	120	575	290	130	740	850	460	450	φ220	φ180	8-φ18	SD-1		
		100	27.8	40	75																					
		120	33.3	36	72																					
143	100-250(I)/2	96	26.7	83	65	3000	55	4.5	1020	585	165	250	200	665	365	165	900	1100	660	460	φ220	φ180	8-φ18	SD-1		
		160	44.4	80	76.5																					
		192	53.3	72	74																					
144	100-250(I)A/2	84	23.3	75	60	3000	45	4.5	965	585	165	250	200	590	340	165	865	1020	660	460	φ220	φ180	8-φ18	SD-1		
		140	38.9	70	74.5																					
		168	46.7	65	69																					
145	100-250(I)B/2	60	16.7	68	67	3000	37	4.5	895	585	165	250	200	590	290	165	795	875	640	460	φ220	φ180	8-φ18	SD-1		
		100	27.8	65	73																					
		120	33.3	58	74																					
146	100-315(I)/2	96	26.7	128	65	3000	90	4.5	1180	680	195	280	245	700	370	150	1000	1210	760	520	φ220	φ180	8-φ18	SD-1		

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator Type		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
156	125-200/2	96	26.7	55	65	3000	37	5.0	895	570	160	180	120	575	290	130	795	930	460	450	φ250	φ210	8-φ18	SD-1
		160	44.4	50	78				775	290	130	795	930	460	450	φ250	φ210	8-φ18						
		192	53.3	46	76				775	290	130	795	930	460	450	φ250	φ210	8-φ18						
157	125-200A/2	90	25	48.4	73	3000	30	5.0	895	570	160	180	120	575	290	130	795	930	460	450	φ250	φ210	8-φ18	SD-1
		150	41.7	45	76				775	290	130	795	930	460	450	φ250	φ210	8-φ18						
		180	50	40.5	74				775	290	130	795	930	460	450	φ250	φ210	8-φ18						
158	125-200B/2	83	21.7	41.3	61	3000	22	5.0	815	570	160	180	120	575	290	130	740	850	405	460	φ250	φ210	8-φ18	SD-1
		138	38.3	37.5	75				775	290	130	740	850	405	460	φ250	φ210	8-φ18						
		166	46.1	34.5	72				775	290	130	740	850	405	460	φ250	φ210	8-φ18						
159	125-250/2	96	26.7	87	61	3000	55	5.0	1020	600	160	260	210	665	365	165	920	1100	720	460	φ250	φ210	8-φ18	SD-1
		160	44.4	80	76.5				665	365	165	920	1100	720	460	φ250	φ210	8-φ18						
		192	53.3	73	72				665	365	165	920	1100	720	460	φ250	φ210	8-φ18						
160	125-250A/2	90	25	76	70	3000	45	5.0	965	600	160	260	210	640	340	165	840	1020	610	400	φ250	φ210	8-φ18	SD-1
		150	41.7	70	74.5				640	340	165	840	1020	610	400	φ250	φ210	8-φ18						
		180	50	64	78				640	340	165	840	1020	610	400	φ250	φ210	8-φ18						
161	125-250B/2	83	21.7	65	70	3000	37	5.0	895	600	160	260	210	590	290	165	795	875	460	450	φ250	φ210	8-φ18	SD-1
		138	38.3	60	73				590	290	165	795	875	460	450	φ250	φ210	8-φ18						
		166	46.1	55	78				590	290	165	795	875	460	450	φ250	φ210	8-φ18						
162	125-315/2	96	26.7	133	55	3000	90	5.0	1180	680	190	280	245	700	370	150	1500	1210	930	600	φ250	φ210	8-φ18	SD-1
		160	44.7	125	73				700	370	150	1500	1210	930	600	φ250	φ210	8-φ18						
		192	53.3	119	72				700	370	150	1500	1210	930	600	φ250	φ210	8-φ18						
163	125-315A/2	90	25	117	54	3000	75	5.0	1130	680	190	280	245	700	370	150	1475	1160	880	600	φ250	φ210	8-φ18	SD-1
		150	41.7	110	71				700	370	150	1475	1160	880	600	φ250	φ210	8-φ18						
		180	50	105	71				700	370	150	1475	1160	880	600	φ250	φ210	8-φ18						
164	125-315B/2	80.5	22.4	96	67	3000	55	5.0	1050	680	190	280	245	700	370	150	1185	1080	800	520	φ250	φ210	8-φ18	SD-1
		134	37.2	88	69				700	370	150	1185	1080	800	520	φ250	φ210	8-φ18						
		160	44.7	86	75				700	370	150	1185	1080	800	520	φ250	φ210	8-φ18						
165	150-125/2	96	26.7	22.6	76	3000	15	5.0	715	480	140	180	120	490	270	120	535	765	430	430	φ285	φ240	8-φ22	SD-1
		160	44.4	20	79				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
		192	53.3	17	77				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
166	150-125A/2	90	25.0	18	77	3000	11	5.0	715	480	140	180	120	490	270	120	535	765	430	430	φ285	φ240	8-φ22	SD-1
		150	41.7	16	77				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
		180	50.0	13.6	77				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
167	150-125B/2	72	20.0	16	76	3000	7.5	5.0	760	480	140	180	120	490	270	120	535	765	430	430	φ285	φ240	8-φ22	SD-1
		120	33.3	14	76				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
		144	40.0	12	76				490	270	120	535	765	430	430	φ285	φ240	8-φ22						
168	150-160/2	100	27.8	30.5	63	3000	22	5.0	820	525	165	240	150	535	270	130	695	820	430	440	φ285	φ240	8-φ22	SD-1
		160	44.2	32	78.5				535	270	130	695	820	430	440	φ285	φ240	8-φ22						
		200	55.5	24	75				535	270	130	695	820	430	440	φ285	φ240	8-φ22						
169	150-160A/2	90	25.0	32	76	3000	18.5	5.0	760	525	165	240	150	535	270	130	695	820	430	440	φ285	φ240	8-φ22	SD-1
		150	41.7	28	76				535	270	130	695	820	430	440	φ285	φ240	8-φ22						
		180	50.0	23.5	76				535	270	130	695	820	430	440	φ285	φ240	8-φ22						
170	150-160B/2	84	23.3	27	73	3000	15	5.0	760	525	165	240	150	535	270	130	695	820	430	440	φ285	φ240	8-φ22	SD-1
		140	38.9	24	75				535	270	130	695	820	430	440	φ285	φ240	8-φ22						
		168	46.7	21	73				535	270	130	695	820	430	440	φ285	φ240	8-φ22						

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator Type		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
171	50-315(I)/4	7.5	2.08	32.5	31	1500	4	3.0	640	550	135	180	120	555	280	130	740	930	405	460	φ185	φ145	4-φ18	SD-1
		12.5	3.47	32	36				555	280	130	740	930	405	460	φ185	φ145	4-φ18						
		16.3	4.53	31.5	38				555	280	130	740	930	405	460	φ185	φ145	4-φ18						
172	50-315(II)/4	7	1.94	28.8	31	1500	3	3.0	615	550	135	180	120	555	280	130	740	850	405	460	φ185	φ145	4-φ18	SD-1
		11.7	3.25	28	34				555	280	130	740	850	405	460	φ185	φ145	4-φ18						
		15.3	4.3	27.5	36				555	280	130	740	850	405	460	φ185	φ145	4-φ18						
173	65-315/4	7.5	2.08	32.5	31	1500	4	3.2	640	550	135	180	120	555	280	130	740	930	405	460	φ185	φ145	4-φ18	SD-1
		12.5	3.47	32	36				555	280	130	740	930	405	460	φ185	φ145	4-φ18						
		16.3	4.53	31.5	38				555	280	130	740	930	405	460	φ185	φ145	4-φ18						
174	65-315A/4	7	1.94	28.8	31	1500	3	3.2	615	550	135	180	120	555	280	130	740	850	405	460	φ185	φ145	4-φ18	SD-1
		11.7	3.25	28	36				555	280	130	740	850	405	460	φ185	φ145	4-φ18						
		15.3	4.3	27.5	38				555	280	130	740	850	405	460	φ185	φ145	4-φ18						
175	80-250/4	15	4.17	21	54	1500	3	3.5	605	485	130	180	120	490	250	125	975	845	640	430	φ200	φ160	8-φ18	SD-1
		25	6.94	20	59				490	250	125	975	845	640	430	φ200	φ160	8-φ18						
		32.5	9.03	18	62				490	250	125	975	845	640	430	φ200	φ160	8-φ18						
176	80-250A/4	13.3	3.69	17.5	54	1500	2.2	3.5	580	485	130	180	120	490	250	125	975	810	640	430	φ200	φ160	8-φ18	SD-1
		22.2	6.17	15.8	58				490	250	125	975	810	640	430	φ200	φ160	8-φ18						
		25.6	7.39	14.8	62				490	250	125	975	810	640	430	φ200	φ160	8-φ18						
177	80-250B/4	12	3.33	13.6	54	1500	1.5	3.5	580	485	130	180	120	490	250	125	975	600	640	430	φ200	φ160	8-φ18	SD-1
		20	5.5																					

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator Type		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
186	80-315(I)B/4	24	6.67	22.5	52	1500	5.5	3.5	750	645	160	270	185	670	340	135	740	725	405	460	φ220	φ180	8-φ18	SD-1
		40.5	11.25	21	60																			
		48	13.3	19.3	65																			
187	100-250/4	30	8.33	21.8	63	1500	5.5	4.5	690	550	140	180	120	565	290	130	975	685	640	430	φ220	φ180	8-φ18	SD-1
		50	13.9	20	67																			
		65	18.1	18	68																			
188	100-250A/4	28	7.78	19	63	1500	4	4.5	665	550	140	180	120	565	290	130	975	660	640	430	φ220	φ180	8-φ18	SD-1
		46.8	13	17.5	66																			
		60.5	36.8	15.5	68																			
189	100-250B/4	24	6.67	16.3	63	1500	3	4.5	640	550	140	180	120	565	290	130	975	635	640	430	φ220	φ180	8-φ18	SD-1
		43.5	12.1	15	64																			
		56.5	15.7	13.8	68																			
190	100-315/4	30	8.33	34	52	1500	11	4.5	810	645	160	270	185	670	340	135	740	785	405	460	φ220	φ180	8-φ18	SD-1
		50	13.9	32	62																			
		65	18.1	30	65																			
191	100-315A/4	28	7.78	30	52	1500	7.5	4.5	780	645	160	270	185	670	340	135	740	725	405	460	φ220	φ180	8-φ18	SD-1
		47.5	13	28	61																			
		61.5	16.8	26	65																			
192	100-315B/4	24	6.67	22.5	52	1500	5.5	4.5	750	645	160	270	185	670	340	135	740	725	405	460	φ220	φ180	8-φ18	SD-1
		40.5	11.25	21	60																			
		48	13.3	19.3	65																			
193	125-200/4	48	13.3	14	71	1500	5.5	5.0	710	570	160	180	120	580	290	130	975	680	640	430	φ250	φ210	8-φ18	SD-1
		100	27.8	12.5	75																			
		120	33.3	11.5	74																			
194	125-250/4	48	13.3	22	69	1500	11	5.0	810	600	155	250	200	595	365	165	740	815	405	460	φ250	φ210	8-φ18	SD-1
		100	27.8	20	72																			
		120	33.3	18.3	73																			
195	125-250A/4	45	12.5	19	68	1500	7.5	5.0	760	600	155	250	200	590	340	165	695	755	405	460	φ250	φ210	8-φ18	SD-1
		93.3	25.9	17.5	71																			
		112	31.1	16	71																			
196	125-250B/4	51	14.2	17.5	69	1500	5.5	5.0	760	600	155	250	200	590	340	165	695	755	405	460	φ250	φ210	8-φ18	SD-1
		85	23.6	15	70																			
		102	28.3	12	73																			
197	125-315/4	48	13.3	34	69	1500	15	5.0	885	680	190	280	245	670	370	150	750	840	550	380	φ250	φ210	8-φ18	SD-1
		80	22.2	32	68																			
		96	26.7	28	73																			
198	125-315A/4	42	11.6	29	69	1500	11	5.0	885	680	190	280	245	670	370	150	750	840	550	380	φ250	φ210	8-φ18	SD-1
		70	19.4	27	66																			
		84	23.3	24	72																			
199	125-400/4	60	16.6	53	62	1500	30	5.0	1000	795	195	260	210	830	430	140	880	1025	640	470	φ250	φ210	8-φ18	SD-1
		100	27.7	50	65																			
		120	33.3	44	64																			
200	125-400A/4	56.4	15.6	47	60	1500	22	5.0	975	795	195	260	210	830	430	140	850	1000	610	470	φ250	φ210	8-φ18	SD-1
		94	26.1	44	65																			
		112	31.1	40	63																			

TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	(r/min)	(KW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib. Isolator Type		
		(m³/h)	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D		D1	n-d
201	125-400B/4	52	14.4	40	58	1500	18.5	5.0	930	795	195	260	210	830	430	140	850	955	610	470	φ250	φ210	8-φ18	SD-1
		87	24.1	37	64																			
		104.4	112.2	32	61																			
202	150-200/4	140	38.9	13.8	78	1500	15	5.0	820	680	200	260	210	665	340	140	695	835	430	440	φ285	φ240	8-φ22	SD-1
		200	55.6	12.5	78																			
		260	72.2	10.6	78																			
203	150-200A/4	125	34.7	11	66	1500	11	5.0	775	680	200	260	210	665	340	140	695	790	430	440	φ285	φ240	8-φ22	SD-1
		179	49.7	10	76																			
		232.5	64.6	8.5	76																			
204	150-250/4	140	38.9	21.8	73	1500	18.5	5.0	855	700	200	260	210	680	340	145	740	845	405	460	φ285	φ240	8-φ22	SD-1
		200	55.6	20	79																			
		260	72.2	17	77																			
205	150-250A/4	129	35.8	18.5	72	1500	15	5.0	820	700	200	260	210	680	340	145	740	845	405	460	φ285	φ240	8-φ22	SD-1
		184	51.2	17	78																			
		240	66.7	14.4	76																			
206	150-250B/4	117	32.5	15.2	76	1500	11	5.0	775	700	200	260	210	680	340	145	740	800	405	460	φ285	φ240	8-φ22	SD-1
		167	46.4	14	76																			
		217.5	60.4	12	76																			
207	150-315/4	140	38.9	33.8	70	1500	30	5.0	940	765	205	260	210	770	395	140	850	955	610	470	φ285	φ240	8-φ22	SD-1
		200	55.6	32	78																			
		260	72.2	28	73																			
208	150-315A/4	131	36.4	29.5	69	1500	22	5.0	900	765	205	260	210	770	395	140	810	915	576	470	φ285	φ240	8-φ22	SD-1
		187	51.9	28	77																			
		243	67.5	24.5	77																			
209	150-315B/4	121	33.6	25	60	1500	18.5	5.0	860	765	205	260	210	770	395	140	770	875	530	470	φ285	φ240	8-φ22	SD-1
		173	48.1	24	76																			
		225	62.5	21	69																			
210	150-400/4	140	38.9	53	68	1500	45	5.0	1000	795	195	260	210	830	430	140	880	1025	640	470	φ285	φ240	8-φ22	SD-1
		200	55.6	50	75																			
		260	72.2	44	71																			
211	150-400A/4	131	36.4	46.6	67	1500	37	5.0	975	795	195	260	210	830	430	140	850	1000	610	470	φ285	φ240	8-φ22	SD-1
		187	51.9	40	74																			
		243	67.5	38.3	70																			
212	150-400B/4	122	33.9	40	66	1500	30	5.0	930	795	195	260	210	830	430	140	850	955	610	470	φ285	φ240	8-φ22	SD-1
		174	48.3	38	73																			
		226.5	62.9	33	68																			
213	150-500/4	140	38.9	83	73	1500	90	5.0	1364	900	200	260	210	665	340	140	1170	1480	960	620	φ285	φ240	8-φ22	SD-1
		200	55.6	80	69.7																			
		240	66.7	75	71																			
214	150-500A/4	127	35.3	73	73	1500	75	5.0	1310	900	200	260	210	665	340	140	1060	1190	710	620	φ285	φ240	8-φ22	SD-1
		182	50.6	70	70																			
		218	60.6	66	72																			
215	150-500B/4	116	32.2	64.5	73	1500	55	5.0	1310	900	200	260												

TGL/TGW Technical Parameters

Table with 28 columns: No., Type, Q Discharge (m³/h, L/S), (m), (%), (r/min), (KW), (m), Vertical Pump Dimension (H, L, h, B, C), Horizontal Pump Dimension (H, h, a, L1, L, L2, B1), Flange Dimension (D, D1, n-d), and Vib. Isolator Type.

TGL/TGW Technical Parameters

Table with 28 columns: No., Type, Q Discharge (m³/h, L/S), (m), (%), (r/min), (KW), (m), Vertical Pump Dimension (H, L, h, B, C), Horizontal Pump Dimension (H, h, a, L1, L, L2, B1), Flange Dimension (D, D1, n-d), and Vib. Isolator Type.



TGL/TGW Technical Parameters

No.	Type	Q Discharge		(m)	(%)	r/mi n)	(kW)	(m)	Vertical Pump Dimension					Horizontal Pump Dimension					Flange Dimension			Vib Isolator	Type	
		m³/h	(L/S)						H	L	h	B	C	H	h	a	L1	L	L2	B1	D			D1
246	250-315B/4	277	76.9	27	68	1500	45	5.5	1250	1100	320	450	350	870	435	200	870	1130	670	570	φ405	φ355	12-φ26	SD-1
		450	125	24	78																			
		540	150	21	75																			
247	250-400/4	320	88.9	54.5	68	1500	110	5.5	1560	1200	320	450	350	985	445	200	1120	1440	880	600	φ405	φ355	12-φ26	SD-1
		550	152.8	50	81																			
		640	177.8	39	73																			
248	250-400A/4	285	79.2	47.5	68	1500	90	5.5	1460	1200	320	450	350	985	445	200	1080	1340	840	520	φ405	φ355	12-φ26	SD-1
		500	138	44	80																			
		600	166.7	36	73																			
249	250-400B/4	277	76.9	43	71	1500	75	5.5	1410	1200	320	450	350	985	445	200	1040	1290	800	520	φ405	φ355	12-φ26	SD-1
		450	125	38	78																			
		540	150	34	73																			
250	250-500/4	385	106.9	87	73	1500	185	5.5	1915	1300	320	450	350	1185	535	200	1380	1775	1100	700	φ405	φ355	12-φ26	SD-1
		550	152.8	80	77.5																			
		660	183.3	68	74																			
251	250-500A/4	357	99.2	76.1	73	1500	160	5.5	1730	1300	320	450	350	1185	535	200	1300	1590	1020	620	φ405	φ355	12-φ26	SD-1
		510	141.7	70	78																			
		612	170	59.5	73																			
252	250-500B/4	329	91.4	65.2	73	1500	132	5.5	1690	1300	320	450	350	1185	535	200	1250	1550	970	620	φ405	φ355	12-φ26	SD-1
		470	130.6	60	78.5																			
		564	156.7	51	74																			
253	250-500C/4	301	83.6	54.3	74	1500	110	5.5	1690	1300	320	450	350	1185	535	200	1200	1520	920	620	φ405	φ355	12-φ26	SD-1
		430	119.4	50	79.2																			
		516	143.3	42.5	77																			
254	300-315/4	540	150	35	76	1500	90	6.0	1530	1000	360	500	400	1010	455	220	1200	1390	920	520	φ460	φ410	12-φ26	SD-1
		720	200	32	82.7																			
		900	250	28	78																			
255	300-315A/4	460	127.8	31.5	76	1500	75	6.0	1480	1000	360	500	400	1010	455	220	1150	1340	870	520	φ460	φ410	12-φ26	SD-1
		662	183.9	28	82.5																			
		791	219.7	24	78																			
256	300-315B/4	423	117.5	26.5	76	1500	55	6.0	1430	1000	360	500	400	1010	455	220	1050	1240	820	520	φ460	φ410	12-φ26	SD-1
		609	169.2	24	82.3																			
		728	202.2	20	78																			
257	300-400/4	500	128.9	54	84	1500	132	6.0	1770	1500	360	500	400	1110	510	220	1340	1630	1060	600	φ460	φ410	12-φ26	SD-1
		720	200	50	82.7																			
		900	250	42	82																			
258	300-400A/4	460	127.8	47	84	1500	110	6.0	1730	1500	360	500	400	1110	510	220	1280	1590	1000	600	φ460	φ410	12-φ26	SD-1
		662	183.9	44	82.5																			
		791	219.7	37	82																			
259	300-400B/4	423	117.5	41	84	1500	90	6.0	1700	1500	360	500	400	1110	510	220	1240	1560	960	600	φ460	φ410	12-φ26	SD-1
		609	169.2	38	82.3																			
		728	202.2	32	82																			
260	300-400C/4	373	103.6	33	84	1500	75	6.0	1530	1500	360	500	400	1110	510	220	1200	1390	920	600	φ460	φ410	12-φ26	SD-1
		536	148.9	31	81.9																			
		641	178.1	28	83																			

Construction

- TGL/TGW series pump is made up of motor, volute, impeller, mechanical seal and base plate and other parts. Motor and pump adopt coaxial design and products can be divided into vertical pump and horizontal pump based on axis position. The inlet and outlet of TGL type vertical single-stage centrifugal pump is 180 degrees while TGW type horizontal single-stage centrifugal pump designs with 90 degrees.
- Impeller: high efficiency closed structure.
- Inlet/outlet: using national standard level GB9119-DN1.6MPA (16kg) fange.

Minimum Inlet Pressure

NPSH

- To prevent cavitation erosion please ensure minimum pressure at inlet side of pump. Because cavitation erosion may occur if the pump pressure is lower than the vaporization pressure at which the liquid is transported.

The maximum vacuum can be calculated as follows

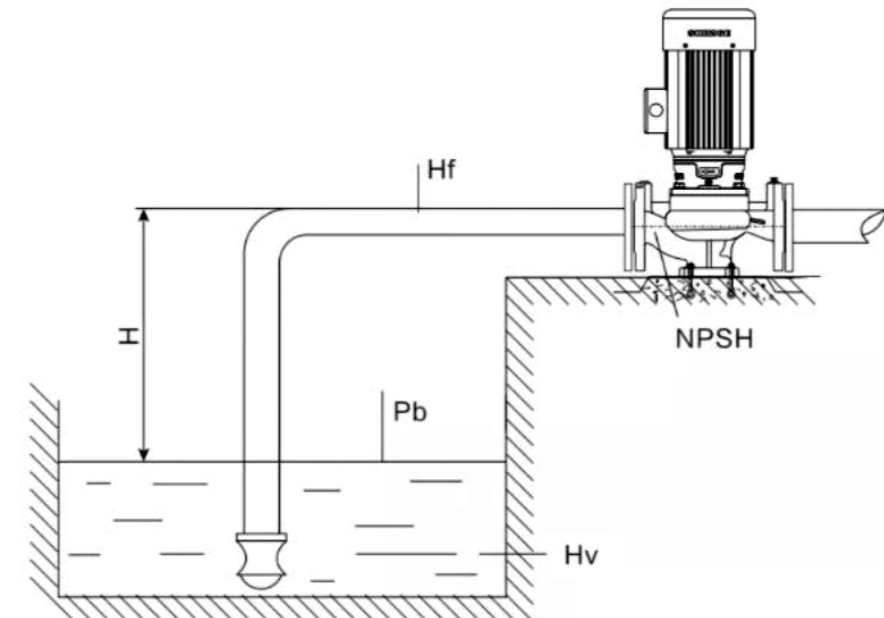
$$H = pb \times 0.2 - NPSH - Hf - Hv - Hs$$

- pb=atmospheric pressure (bar), atmospheric pressure set to one.
- NPSH=net positive suction head
- Hf=friction loss in suction line
- Hv=vapour pressure
- Hs=safe margin=minimum 0.5m

If get positive value, pump can operate at maximum suction lift. Conversely, if get negative value, pump need to further calculate the minimum inlet pressure pump can operate with maximum suction head if get positive H, otherwise, pump can run only with an indenter at the inlet with a minimum pressure of the corresponding 'H' meter if get negative 'H'.

Note: In general, the above calculation is not carried out, and 'H' should be calculated only when pump is used in the following circumstances:

- High liquid temperature
- The fluid flow rate exceeded the rated value
- Larger suction head or longer inlet pipe
- System pressure is too low
- Poor import conditions



Vulnerable Parts

Vulnerable Parts (mechanical seals & bearings)

Motor power	Specifications of mechanical seals	Motor power	Specifications of bearing
0.75, 1.1KW	109-18	80	6204
1.5, 2.2KW	109-20	90	6205
3KW, 4KW	109-25	100	6206
5.5, 7.5KW(2P)	109-30	112	6206
7.5KW(4P)	109-35	132	6308
11, 15, 18.5, 22KW(2P)	109-35	160	6308
11, 15, 18.5, 22KW(4P)	109-40	180	6311
30KW(2, 4P), 37KW (2P)	109-40	200	6312
37KW(4P), 45KW (2, 4P)	109-45	225	6313
55KW(2, 4P), 75KW (2P)	109-50	250, 280	6314
75KW(4P), 90KW (2, 4P)	109-55	315	6317

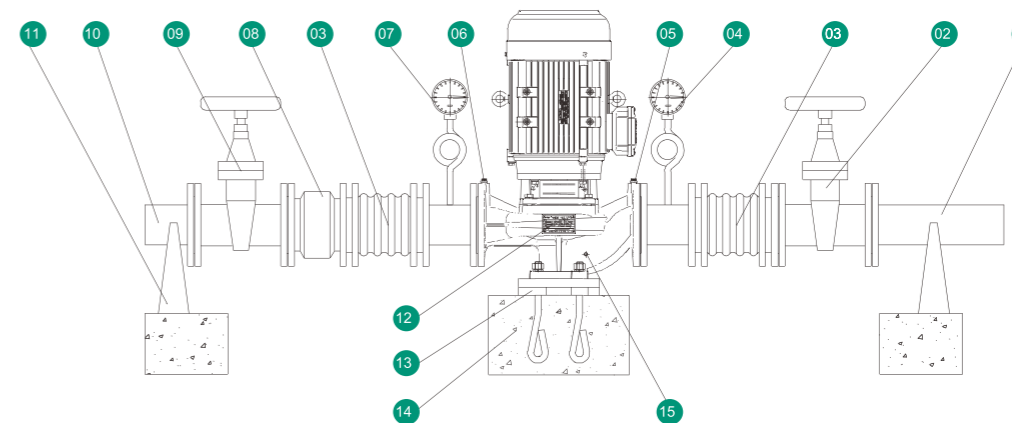
Pipeline Loss

Pipeline Loss for Reference

Diameter	Flow(L/S)																						
	1	2	4	6	8	10																	
25	3.27	13																					
38	3.5	14	55				15	20															
50	0.8	3.1	13	29					25	30													
65		0.8	3.2	7.1	13	20					40	50											
75		0.4	1.6	3.3	5.9	9.6	21.6				60	70											
100			0.4	0.8	1.3	2.1	6.8	8.6	13	19.4			80	90									
125				0.23	0.4	0.63	1.3	2.7	4.1	5.9	10.7			100	110								
150					0.16	0.26	0.58	1.1	1.6	2.3	4.2	6.4	9.4			120	130						
175						0.11	0.27	0.5	0.74	1.05	1.9	2.9	4.3	5.8	7.7	9.6			140	160			
200							0.13	0.26	0.37	0.53	0.93	1.5	2.1	2.9	3.7	4.7	6.1	7.2	8.5	180	200		
250								0.07	0.12	0.18	0.30	0.48	0.68	0.93	1.2	1.5	1.9	2.3	2.8	3.3	3.7	4.9	5.2
300									0.07	0.12	0.19	0.27	0.37	0.49	0.6	0.76	0.9	1.1	1.3	1.5	2.0	2.4	3.0

Installation Diagram

Pipe network installation diagram of TGL type vertical pipeline pump



Installation Precautions

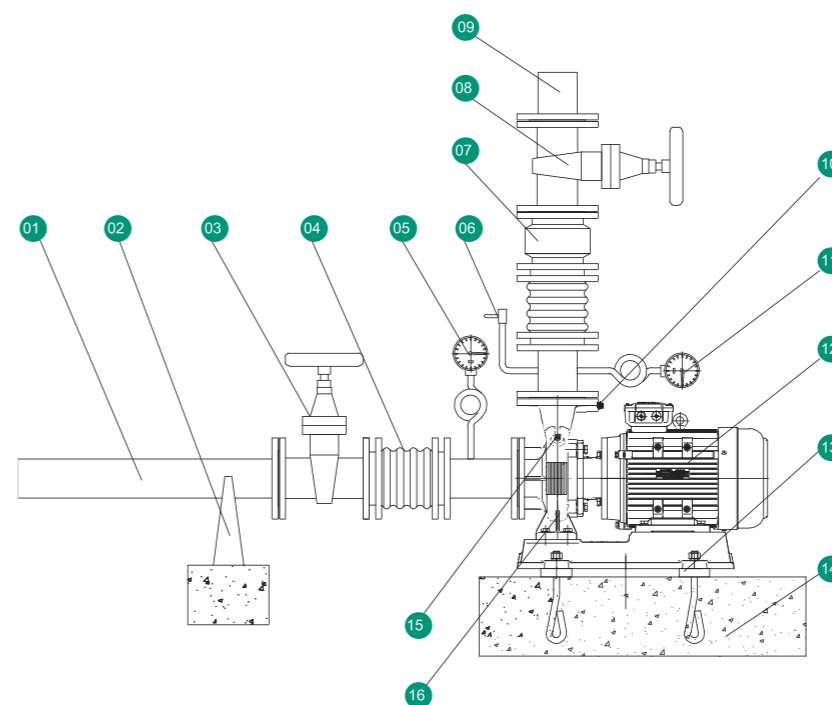
- Both water inlet and outlet pipelines should be supported by a separate stand and not by the pump body.
- The outlet pipe diameter should be bigger than the inlet pipe diameter.
- Pump should install horizontally, the outlet pipe should not be lower than the inlet pipe.

NO.	Part	NO.	Part	NO.	Part
1	Water inlet	6	Deflating valve (deflates air to fill the pump with water)	11	Piping support(branch and discharge pipeline to prevent the pump from being stressed)
2	Inlet valve (control the water flow)	7	Outlet pressure gauge(shows inlet pressure)	12	Pump
3	Flexible expansive joint (easy to install piping)	8	Check valve (prevent water backflow)	13	Absorber (preventing shock of pump)
4	Inlet pressure gauge (shows inlet pressure)	9	Outlet valve (control the water flow)	14	Cement base
5	Screw port	10	Water outlet	15	Drain valve (draw off the water)

Pipe network installation diagram of TGW type horizontal pipeline pump

Installation Precautions

- Both water inlet and outlet pipelines should be supported by a separate stand and not by the pump body.
- The outlet pipe diameter should be bigger than the inlet pipe diameter.
- Pump should install horizontally, the outlet pipe should not be lower than the inlet pipe.



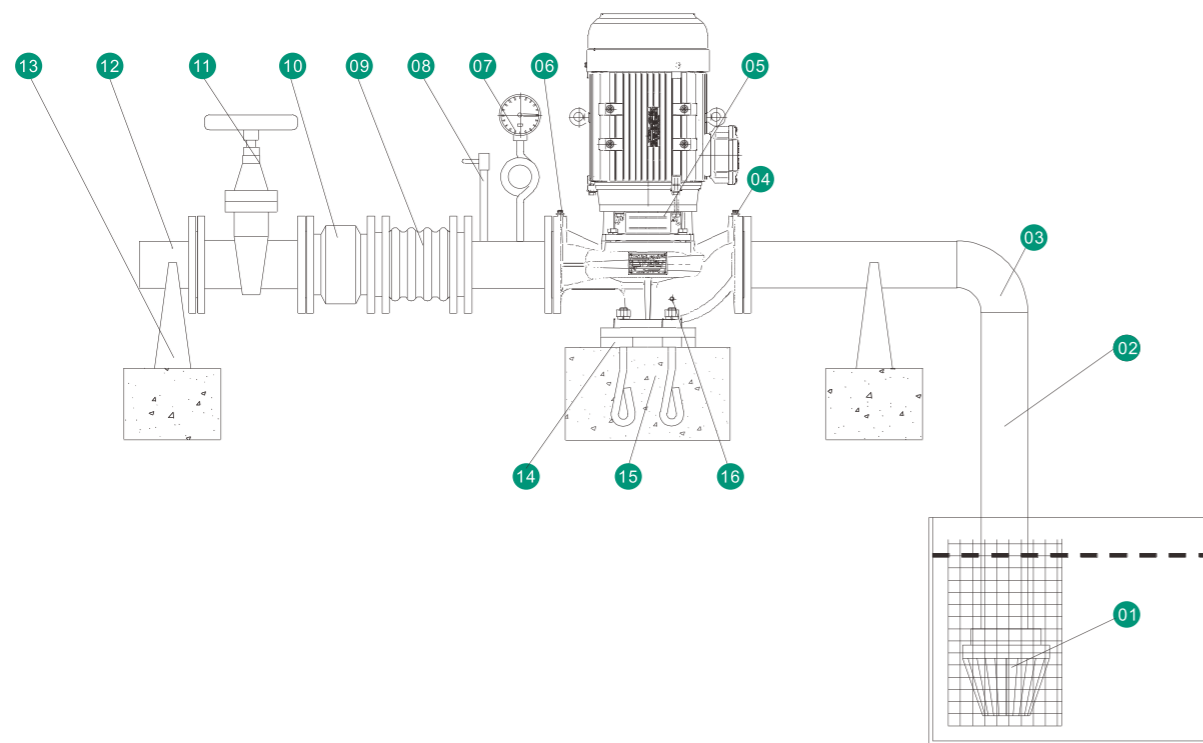
NO.	Part
1	Water inlet
2	Piping support(branch and discharge pipeline to prevent the pump from being stressed)
3	Inlet valve
4	Flexible expansive joint(easy to install piping)
5	Inlet pressure gauge (shows inlet pressure)
6	Water injection valve
7	Check valve (prevent water backflow)
8	Outlet valve (control the water flow)
9	Water outlet
10	Screw port
11	Outlet pressure gauge(shows inlet pressure)
12	Pump
13	Absorber (prevents shock of pump)
14	Cement base
15	Drain bolt (draw off the water)
16	Deflating valve (deflates air to fill the pump with water)

Installation Diagram

TGL type vertical pipeline pump

Installation Precautions

- Both water inlet and outlet pipelines should be supported by a separate stand and not by the pump body.
- The outlet pipe diameter should be bigger than the inlet pipe diameter.
- Foot valve diameter is not less than the inlet pipe diameter
- Pump should install horizontally, the outlet pipe should not be lower than the inlet pipe.
- Should keep the filter gauze above water level when installing the filter gauze on the suction pipe head!



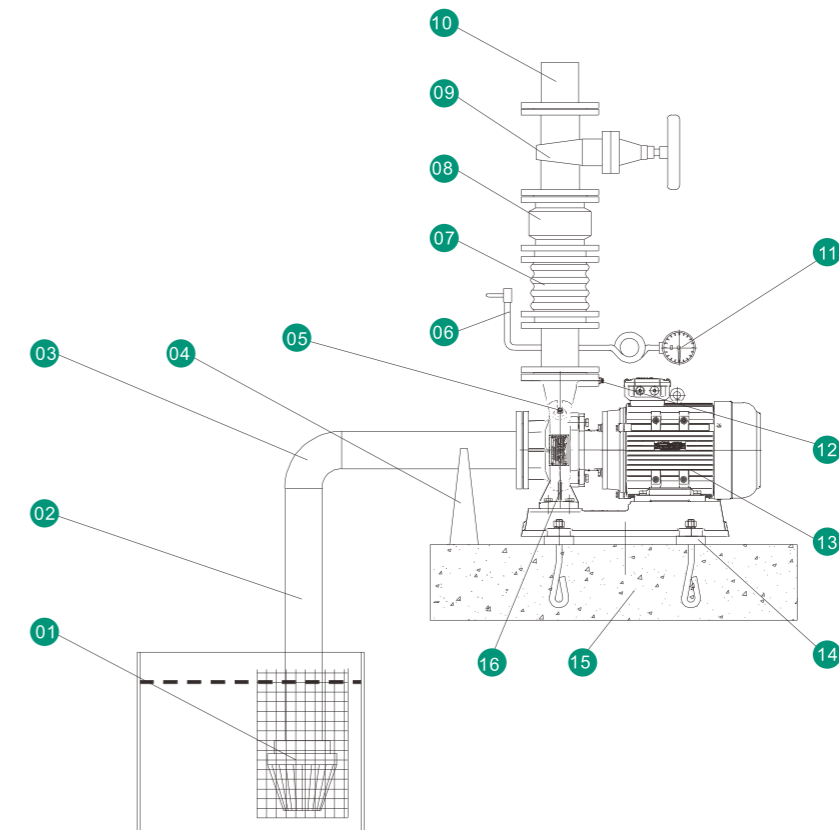
NO.	Part	NO.	Part
1	Foot valve	9	Flexible expansion joint (Easy to install piping)
2	Water inlet	10	Check valve (prevent water backflow)
3	Elbow	11	Outlet valve(control the water flow)
4	Screw port	12	Water outlet
5	Pump	13	Pining support(branch and discharge pipeline to prevent the pump from being stressed)
6	Deflating valve(deflat air to fill the pump with water)	14	Absorber (preventing shock of pump)
7	Outlet pressure gauge(shows inlet pressure)	15	Cement base
8	Water injection valve	16	Drain bolt (releasing water)

Installation Diagram

Installation Diagram (TGW type horizontal pipeline pump)

Installation Precautions

- Both water inlet and outlet pipelines should be supported by a separate stand and not by the pump body.
- The outlet pipe diameter should be bigger than the inlet pipe diameter.
- Foot valve diameter is not less than the inlet pipe diameter.
- Pump should install horizontally, the outlet pipe should not be lower than the inlet pipe.
- Should keep the filter gauze above water level when installing the filter gauze on the suction pipe head.



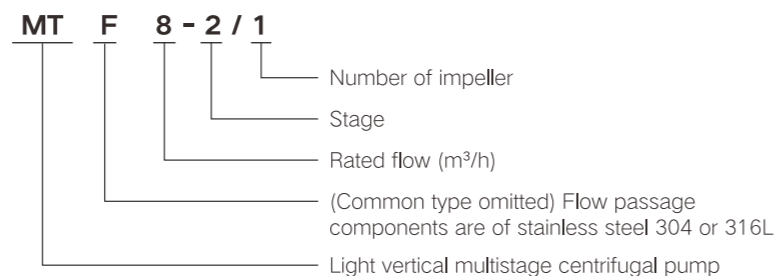
NO.	Part	NO.	Part
1	Foot valve	9	Outlet valve(control the water flow)
2	Water inlet	10	Water outlet
3	Elbow	11	Outlet pressure gauge(showing inlet pressure)
4	Pining support(branch and discharge pipeline to prevent the pump from being stressed)	12	Screw port
5	Screw port	13	Pump
6	Water injecting valve(injecting water)	14	Absorber(preventing shock of pump)
7	Flexible expansion joint(Easy to install piping)	15	Cement base
8	Check valve(prevent water backflow)	16	Drain bolt (releasing water)

MT(F)

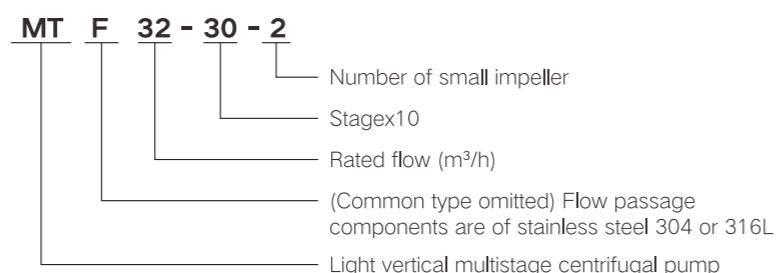
Vertical Multi-stage Centrifugal Pump



Model Description



CDL,CDLF32,45,64,90,120,150, 200



Advantages & Features

- MT/MT(F) is a non-self-priming vertical multistage centrifugal pump installed with a standard motor. The motor shaft is directly connected to the pump shaft through the pump head with a coupling, and the pressure-resistant cylinder and flow-passing parts are fixed on the pump head by tie rod bolts. Between the water inlet and outlet section, the water inlet and outlet of the pump are on the same line at the bottom of the pump; the pump can be equipped with an intelligent protector as required to effectively protect the pump from dry running, phase loss, and overload.

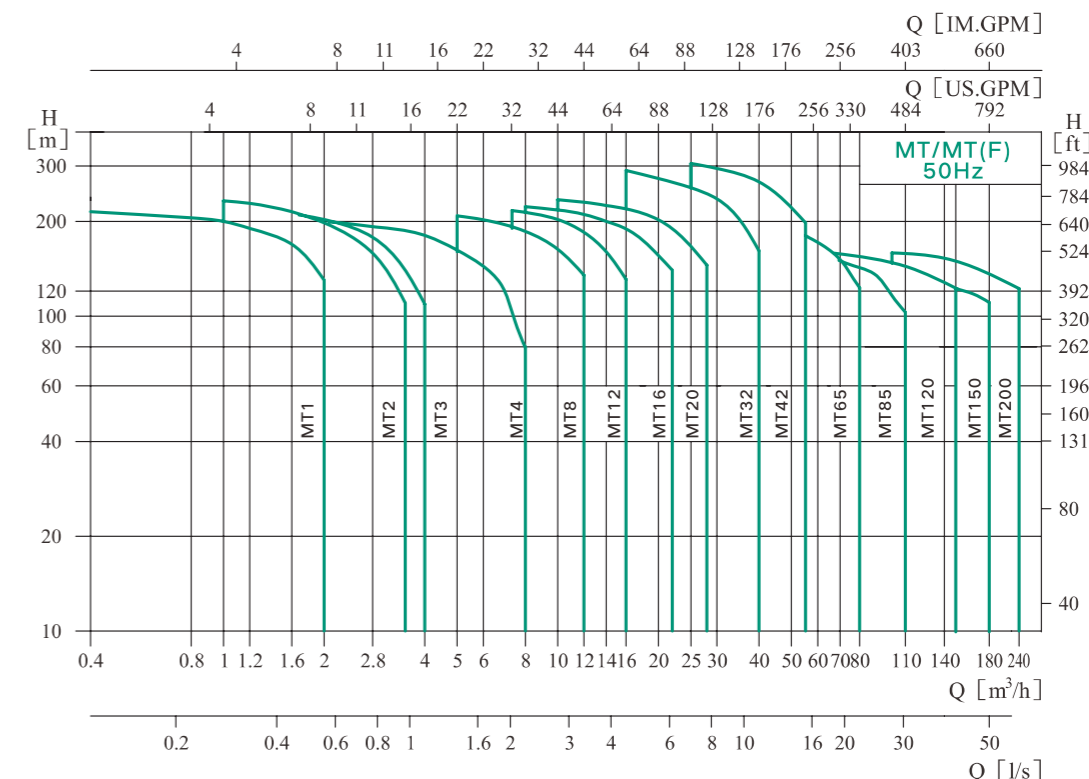
The motor is a fully enclosed, air-cooled, two-pole standard motor.

- Protection class: IP55
- Insulation class: F
- Standard Voltage: 50Hz: 1x220-230/240V
3x200-220/346-380V
3x220-240/380-415V
3x380-415V

Working Conditions

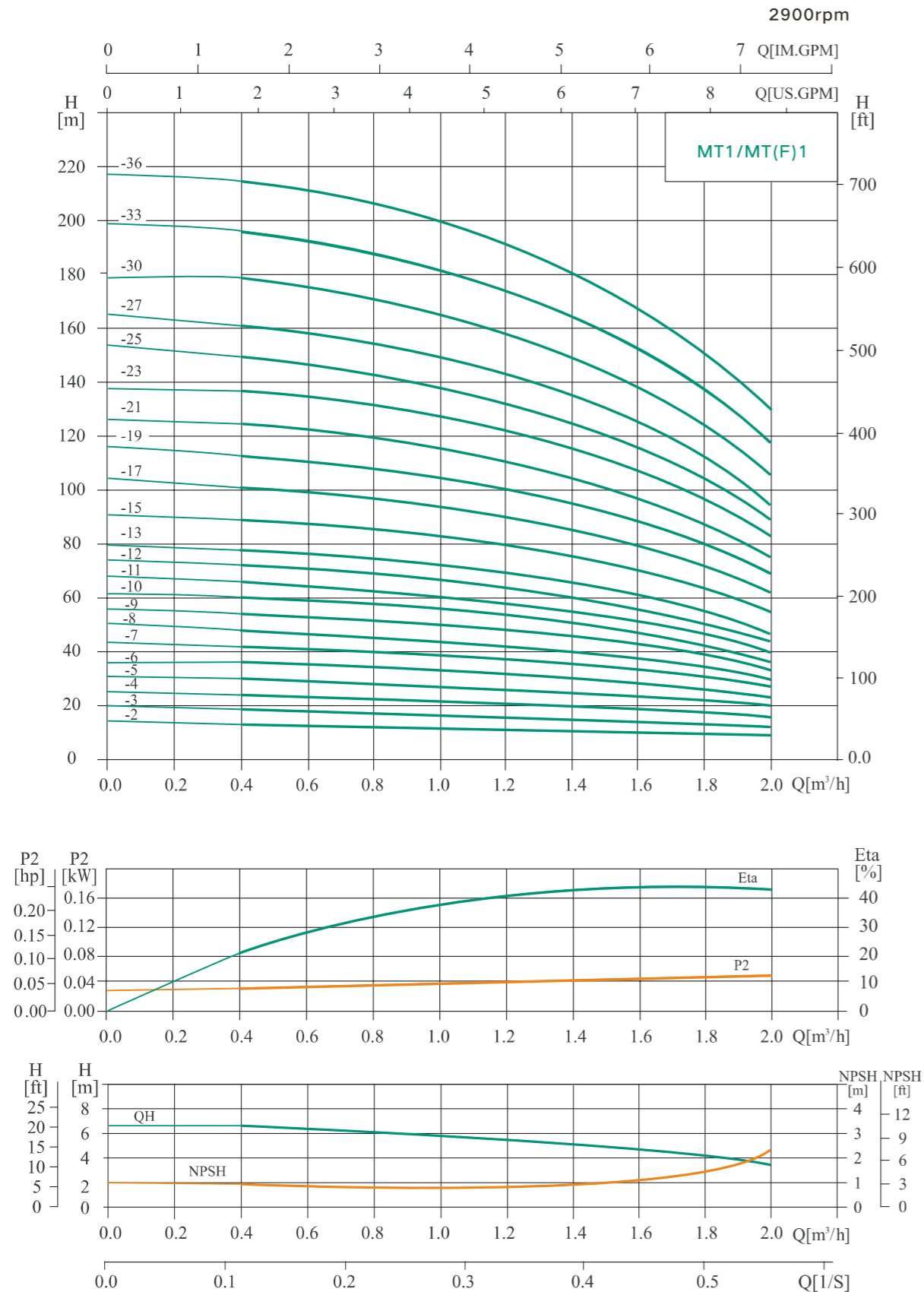
- Thin, clean, non-flammable, non-explosive liquid that does not contain solid particles or fibers.
- Liquid temperature: normal temperature type -15°C to +70°C
- Hot water type +70°C to +120°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m

MT(F) Performance Curve



Description	MT1	MT2	MT3	MT4	MT8	MT12	MT16	MT20	MT32	MT42	MT65	MT85	MT120	MT150	MT200
Rated flow(m ³ /h)	1	2	3	4	8	12	16	20	32	42	65	85	120	150	200
Rated flow(l/s)	0.28	0.56	0.83	1.1	2.2	3.3	4.4	5.6	8.9	11.7	18	24	33	41.6	55.6
Flow range(m ³ /h)	0.4-2	1-3.5	1.2-4	1.5-7	5-12	7-16	8-22	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow range(l/s)	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.9-4.4	2.2-6.1	2.87.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7	22-50	27.8-66.7
Maximum pressure (bar)	21	23	22	21	21	22	22	23	29	30	22	17	16	16	16
Motor power (kW)	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	1.5-11	2.2-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	18.5-110
Temperature range (°C)	-15~+120														
Max. efficiency (%)	44	46	54	57	62	63	66	69	73	75	76	77	74	73	79
Type															
MT	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MT(F)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MT Pipe connection															
DIN Frank	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
MTF Pipe connection															
DIN Frank	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Pipe thread	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50							
Oval flange	ZG1¼	ZG1¼	ZG1¼	ZG1¼	ZG2	ZG2	ZG2	ZG2							

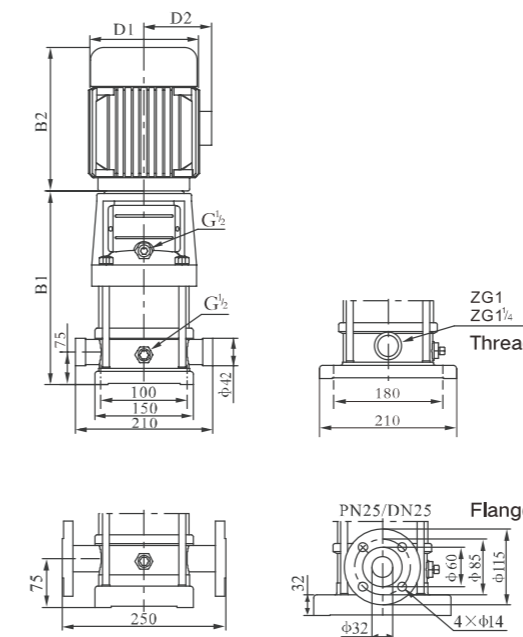
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
MT1-2	0.37		13	12.5	12	11.5	11	10.5	10	9.5	9
MT1-3	0.37		19	18	17.5	17	16.5	16	15	14	12
MT1-4	0.37		24	23.5	23	22.5	21.5	21	19	18	16
MT1-5	0.37		30	29.6	29	28	27	26	24	22	20
MT1-6	0.37		36	35.5	35	33.5	33	31	28	26	23
MT1-7	0.37		42	41	40.5	39	38	36	33	30	27
MT1-8	0.55		48	47	46	45	43	41	38	34	30
MT1-9	0.55		54	53	52	51	49	46	43	39	33
MT1-10	0.55		60	59	58	57	54	51	48	43	36
MT1-11	0.55		66	65	63	61	59	56	52	47	40
MT1-12	0.75		72	71	69	67	64	61	57	51	44
MT1-13	0.75		78	77	75	73	69	66	62	55	47
MT1-15	0.75		89	88	86	84	79	76	71	63	55
MT1-17	1.1		101	99	97	95	89	86	80	71	62
MT1-19	1.1		113	110	108	106	99	96	89	79	69
MT1-21	1.1		124	122	120	117	110	106	98	87	75
MT1-23	1.1		137	133	131	128	121	116	107	96	82
MT1-25	1.5		149	145	143	139	131	126	116	104	89
MT1-27	1.5		161	157	155	150	141	136	125	112	95
MT1-30	1.5		178	175	171	166	157	150	139	124	106
MT1-33	2.2		196	192	188	183	173	165	154	137	118
MT1-36	2.2		214	210	205	200	190	181	169	151	130

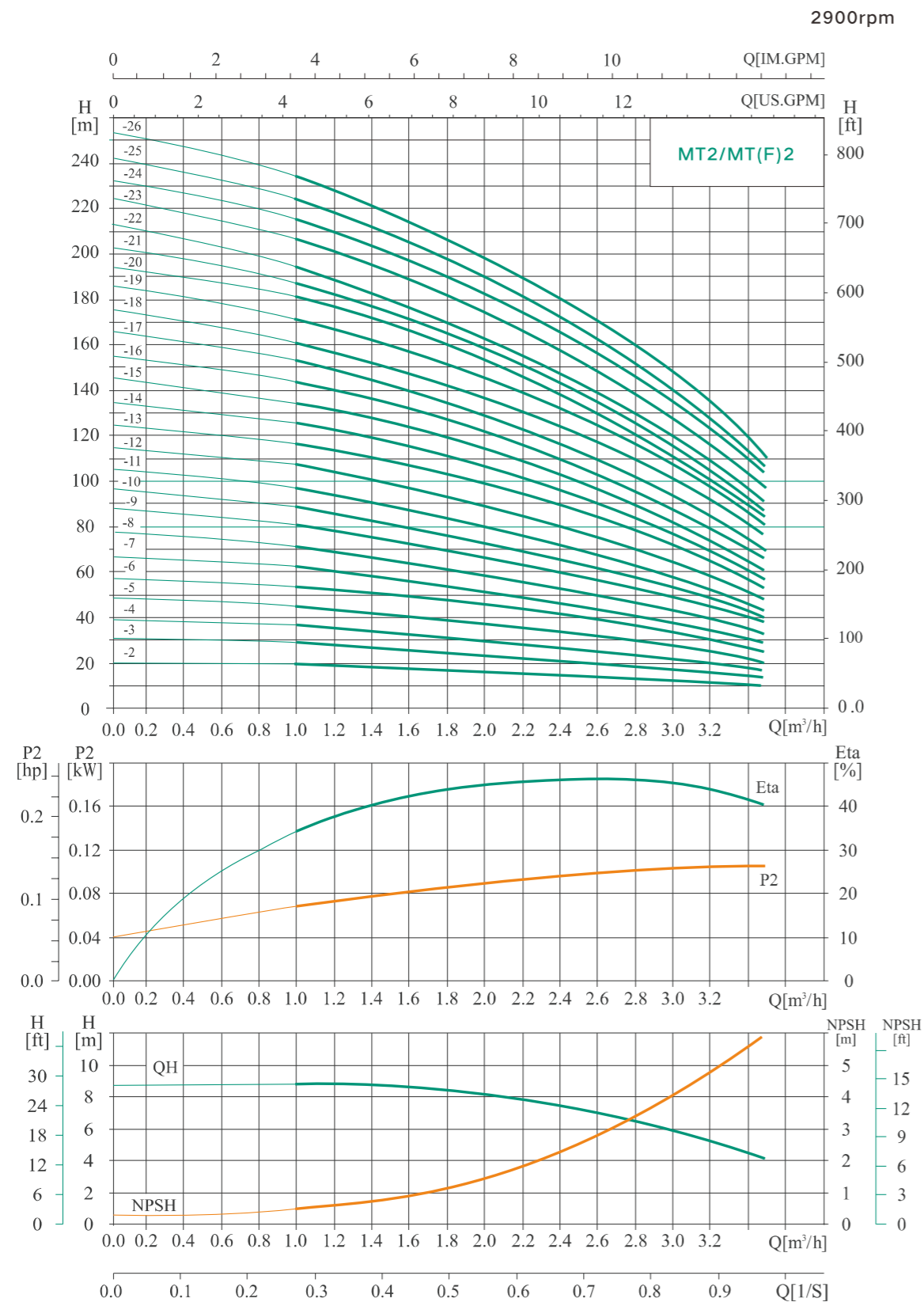
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT1-2	258	225	483	148	117	20
MT1-3	276	225	501	148	117	20
MT1-4	294	225	519	148	117	21
MT1-5	312	225	537	148	117	21
MT1-6	330	225	555	148	117	22
MT1-7	348	225	573	148	117	23
MT1-8	366	225	591	148	117	24
MT1-9	384	225	609	148	117	25
MT1-10	402	225	627	148	117	26
MT1-11	420	225	645	148	117	26
MT1-12	448	245	693	170	142	29
MT1-13	466	245	711	170	142	30
MT1-15	502	245	747	170	142	31
MT1-17	538	245	783	170	142	33
MT1-19	574	245	819	170	142	34
MT1-21	610	245	855	170	142	35
MT1-23	646	245	891	170	142	36
MT1-25	692	290	982	190	155	42
MT1-27	728	290	1018	190	155	43
MT1-30	782	290	1072	190	155	45
MT1-33	836	290	1126	190	155	49
MT1-36	890	290	1180	190	155	51

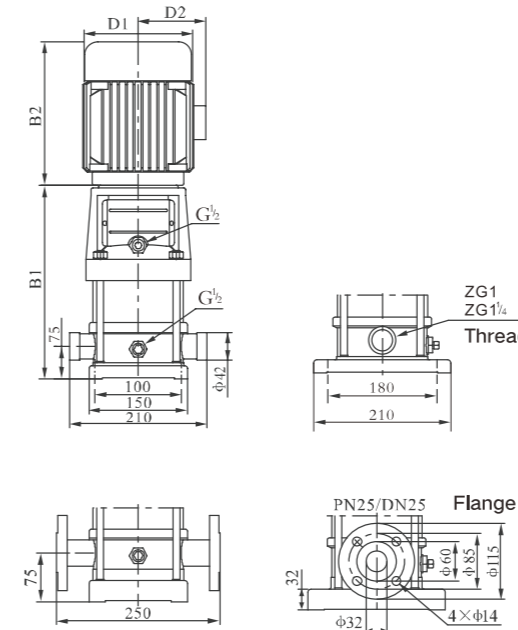
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
MT2-2	0.37	H (m)	18	17	16	15	13	12	10	8
MT2-3	0.37		27	26	24	22	20	18	15	12
MT2-4	0.55		36	35	33	30	26	24	20	16
MT2-5	0.55		45	43	40	37	33	30	24	20
MT2-6	0.75		53	52	50	45	40	36	30	24
MT2-7	0.75		63	61	57	52	47	4	35	28
MT2-9	1.1		80	78	73	67	61	54	45	37
MT2-11	1.1		98	95	89	82	73	64	54	44
MT2-13	1.5		116	114	106	98	89	78	65	52
MT2-15	1.5		134	130	123	112	100	90	73	60
MT2-18	2.2		161	157	148	136	121	108	91	76
MT2-22	2.2		197	192	180	165	148	130	110	90
MT2-26	3.0		232	228	214	198	179	158	130	110

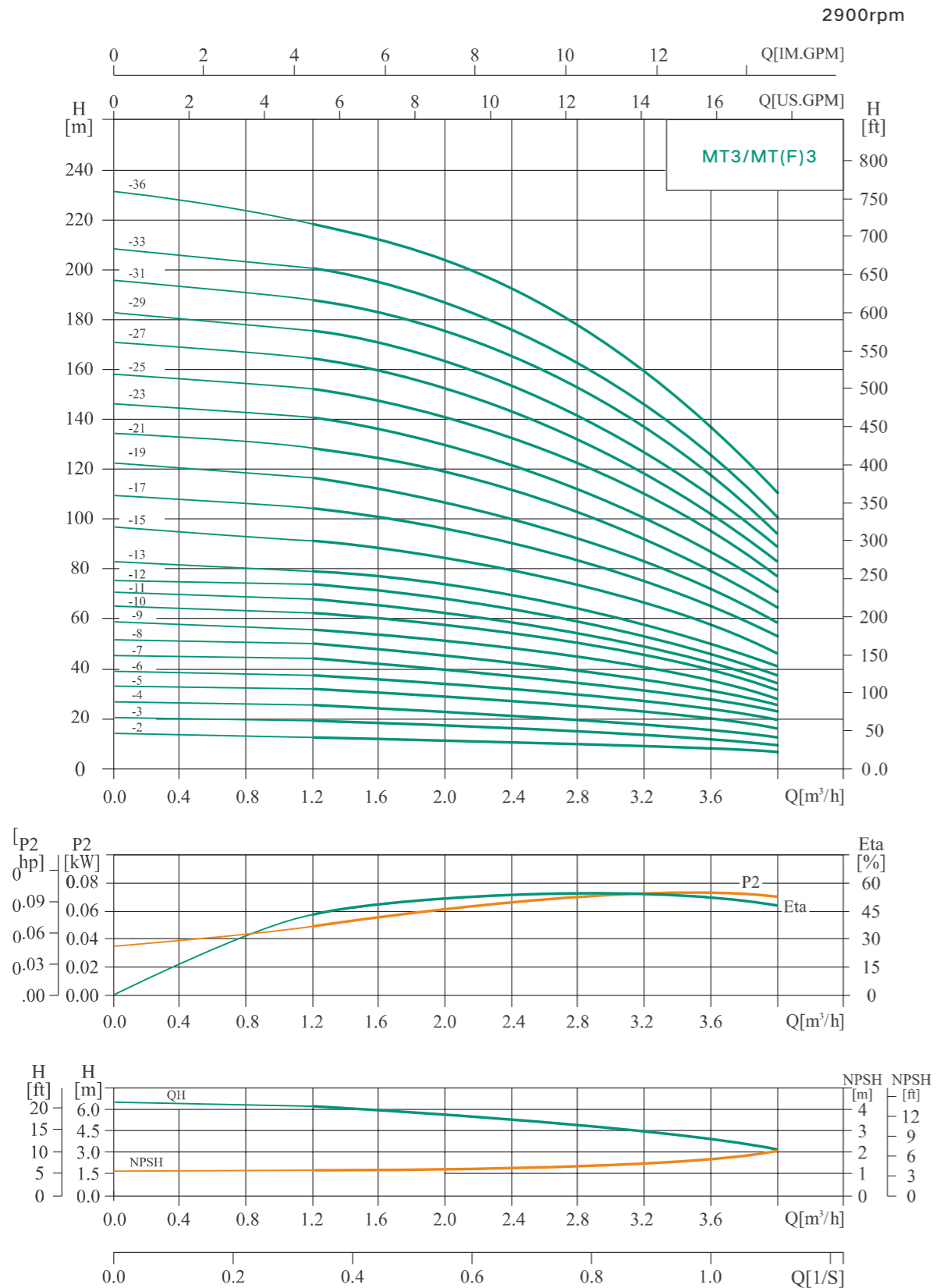
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT2-2	258	225	483	148	117	20
MT2-3	276	225	501	148	117	20
MT2-4	294	225	519	148	117	22
MT2-5	312	225	537	148	117	23
MT2-6	340	245	585	170	142	26
MT2-7	358	245	603	170	142	26
MT2-9	394	245	639	170	142	28
MT2-11	430	245	675	170	142	29
MT2-13	476	290	766	190	155	35
MT2-15	512	290	802	190	155	36
MT2-18	566	290	856	190	155	41
MT2-22	638	290	928	190	155	42
MT2-26	720	345	1065	197	165	52

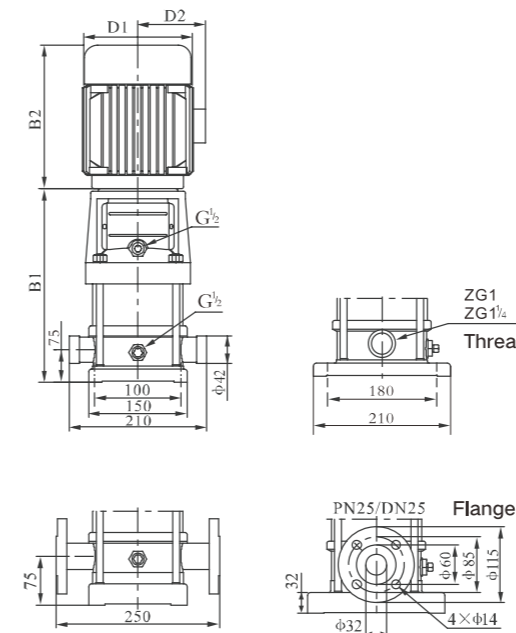
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
MT3-2	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
MT3-3	0.37		19	18.5	17.5	16.5	15	14	13	11	9
MT3-4	0.37		25	24	23	21.5	20	19	18	15	12
MT3-5	0.37		31	30	29	27	25	23	22	19	16
MT3-6	0.55		36	35	34	32	30	28	27	23	19
MT3-7	0.55		43	41	39	37	34	32	31	27	22
MT3-8	0.75		49	47	45	43	39	37	35	31	25
MT3-9	0.75		55	53	51	48	45	42	40	35	28
MT3-10	0.75		61	59	57	54	50	47	45	39	31
MT3-11	1.1		67	64	61	58	54	51	49	42	34
MT3-12	1.1		73	70	67	63	58	55	52	45	37
MT3-13	1.1		78	76	73	69	64	60	57	49	40
MT3-15	1.1		90	88	84	79	73	69	66	57	46
MT3-17	1.5		103	100	96	90	83	79	75	64	52
MT3-19	1.5		115	112	107	100	92	88	83	72	58
MT3-21	2.2		128	124	119	112	102	98	91	79	64
MT3-23	2.2		140	135	130	122	112	107	100	86	70
MT3-25	2.2		151	147	141	131	122	116	109	94	76
MT3-27	2.2		164	159	152	143	132	124	117	101	82
MT3-29	2.2		175	170	163	153	142	133	126	109	88
MT3-31	3.0		187	182	175	165	153	142	135	116	94
MT3-33	3.0		199	194	187	176	163	151	145	125	100
MT3-36	3.0		218	212	204	192	178	168	159	137	109

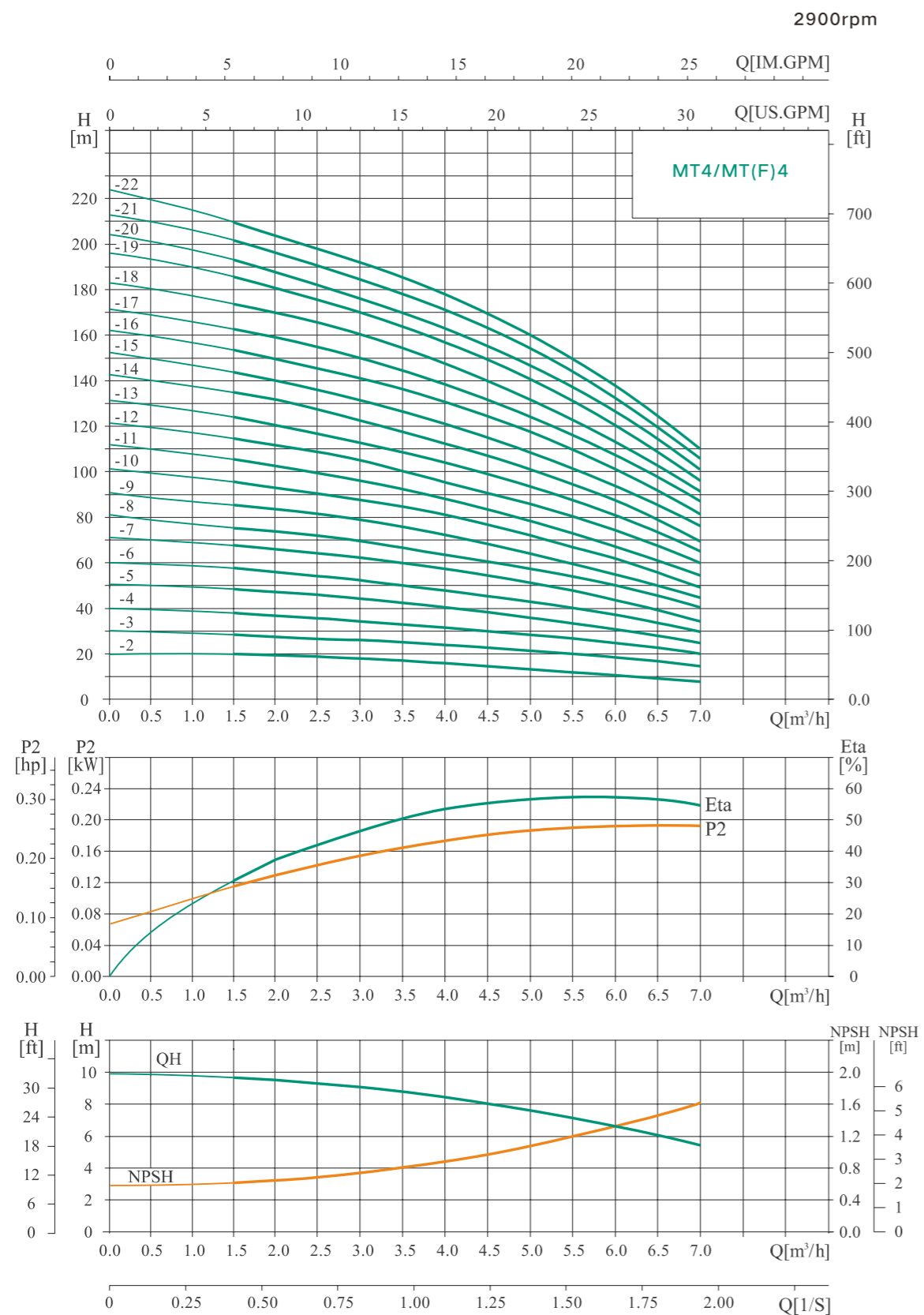
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT3-2	258	225	483	148	117	20
MT3-3	276	225	501	148	117	20
MT3-4	294	225	519	148	117	21
MT3-5	312	225	537	148	117	21
MT3-6	330	225	555	148	117	23
MT3-7	348	225	573	148	117	24
MT3-8	376	245	621	170	142	27
MT3-9	394	245	639	170	142	28
MT3-10	412	245	657	170	142	28
MT3-11	430	245	675	170	142	29
MT3-12	448	245	693	170	142	30
MT3-13	466	245	711	170	142	31
MT3-15	502	245	747	170	142	32
MT3-17	548	290	838	190	155	38
MT3-19	584	290	874	190	155	39
MT3-21	620	290	910	190	155	42
MT3-23	656	290	946	190	155	43
MT3-25	692	290	982	190	155	44
MT3-27	728	290	1018	190	155	45
MT3-29	764	290	1054	190	155	46
MT3-31	810	345	1155	197	165	54
MT3-33	846	345	1191	197	165	55
MT3-36	900	345	1245	197	165	57

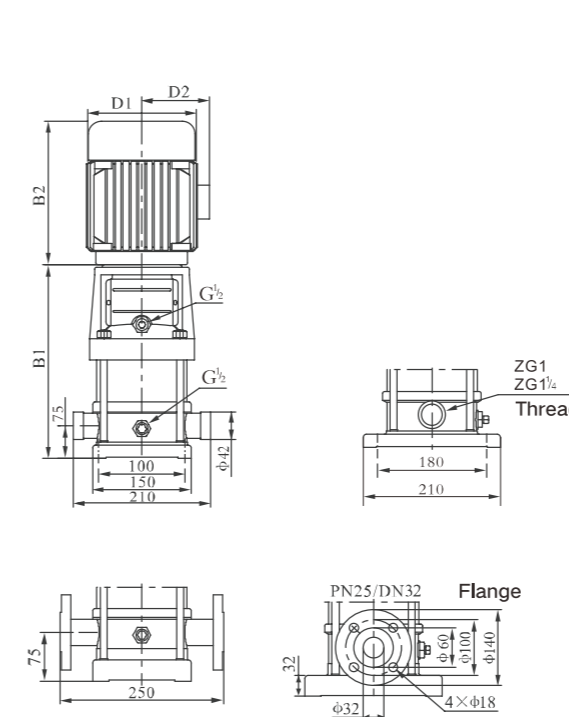
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	1.5	2.0	3.0	4.0	5.0	6.0	7.0
MT4-2	0.37	H (m)	19	18	17	15	13	10	8
MT4-3	0.55		28	27	26	24	20	18	13
MT4-4	0.75		38	36	34	32	27	24	19
MT4-5	1.1		47	45	43	40	34	31	23
MT4-6	1.1		56	50	52	48	41	37	28
MT4-7	1.5		66	63	6	56	48	43	33
MT4-8	1.5		74	72	70	64	55	50	38
MT4-10	2.2		96	90	87	81	71	62	48
MT4-12	2.2		114	108	104	95	101	75	58
MT4-14	3.0		136	126	122	112	101	89	68
MT4-16	3.0		152	144	140	129	115	101	78
MT4-19	4.0		183	171	168	153	137	122	93
MT4-22	4.0		211	200	192	178	160	138	108

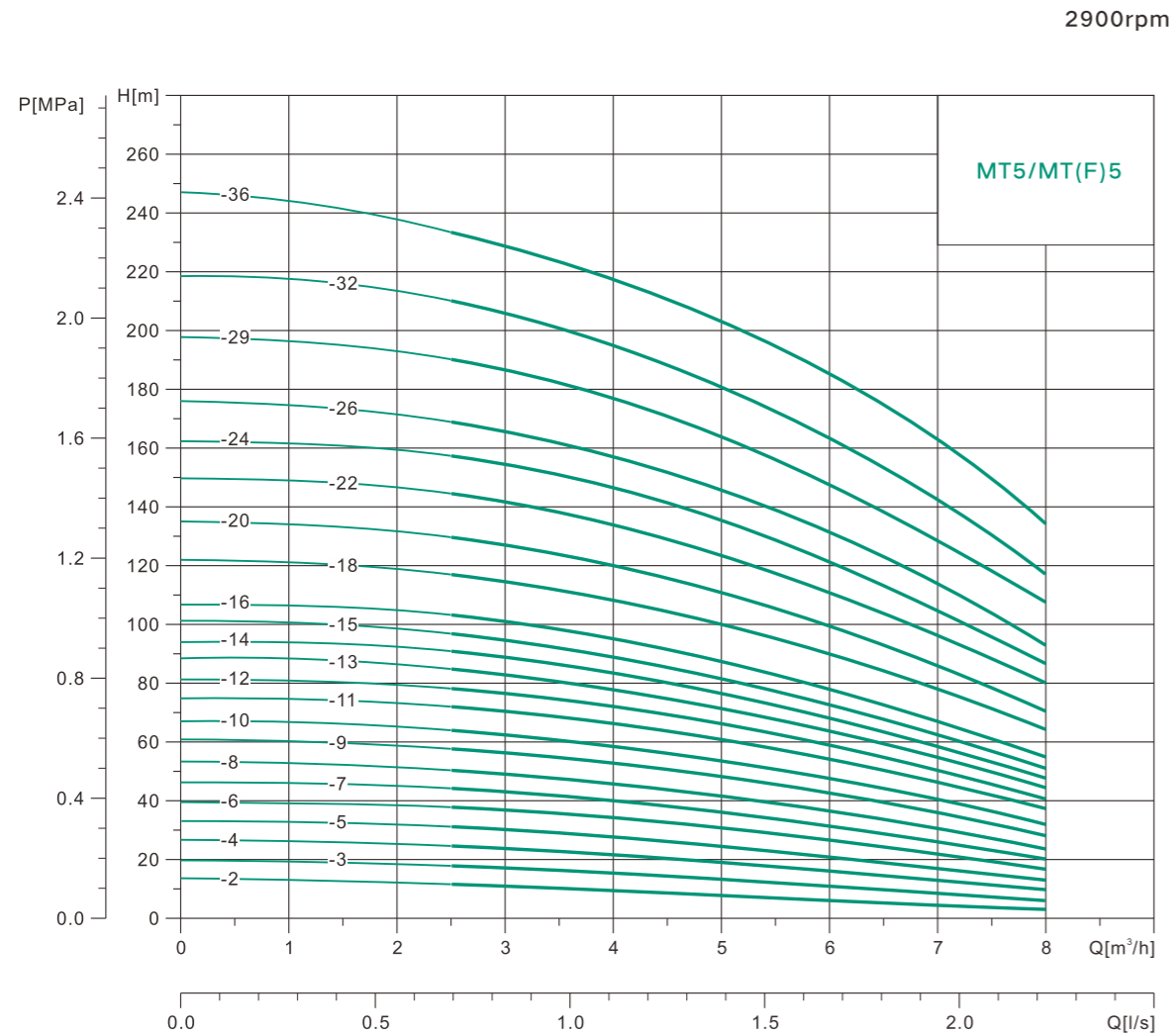
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT4-2	276	225	501	148	117	21
MT4-3	303	225	528	148	117	22
MT4-4	340	245	585	170	142	25
MT4-5	367	245	612	170	142	27
MT4-6	394	245	639	170	142	27
MT4-7	431	290	721	190	155	33
MT4-8	458	290	748	190	155	33
MT4-10	512	290	802	190	155	37
MT4-12	566	290	856	190	155	38
MT4-14	630	345	975	197	165	46
MT4-16	684	345	1029	197	165	48
MT4-19	765	355	1120	230	188	57
MT4-22	846	355	1201	230	188	59

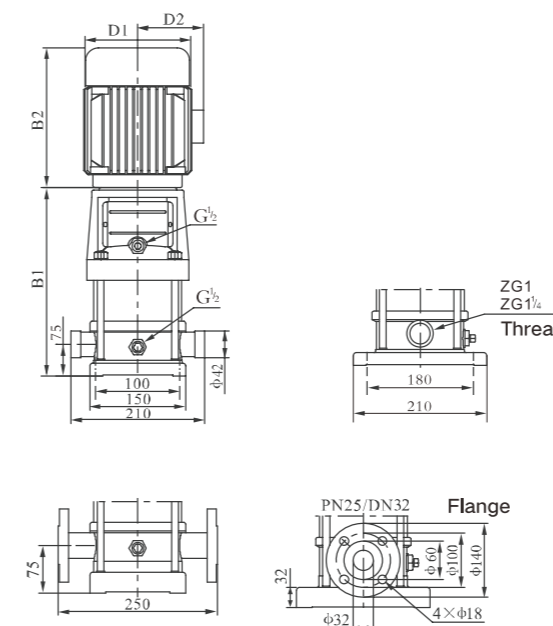
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	1	2	3	4	5	6	7
MT5-2	0.37	H (m)	13	12	11	10	9	7	6
MT5-3	0.55		19	19	18	16	15	12	10
MT5-4	0.55		26	25	24	22	19	16	14
MT5-5	0.75		33	32	30	28	24	22	18
MT5-6	1.1		40	38	37	34	28	27	23
MT5-7	1.1		46	45	42	40	32	32	23
MT5-8	1.1		53	51	48	45	40	36	31
MT5-9	1.5		60	59	56	53	47	44	37
MT5-10	1.5		67	65	62	59	53	48	41
MT5-11	2.2		74	73	70	66	59	54	47
MT5-12	2.2		81	79	76	72	63	59	51
MT5-13	2.2		88	85	82	78	68	64	55
MT5-14	2.2		95	92	89	83	74	69	60
MT5-15	2.2		101	99	95	89	79	74	63
MT5-16	2.2		108	105	101	95	85	78	68
MT5-18	3.0		122	119	115	109	98	90	78
MT5-20	3.0		135	132	127	120	108	100	87
MT5-22	4.0		150	147	142	134	120	112	91
MT5-24	4.0		163	160	154	146	132	122	97
MT5-26	4.0		176	173	166	157	145	132	106
MT5-29	4.0		198	194	188	178	155	149	115
MT5-32	5.5		214	208	198	189	170	154	131
MT5-36	5.5		241	234	223	212	191	173	148

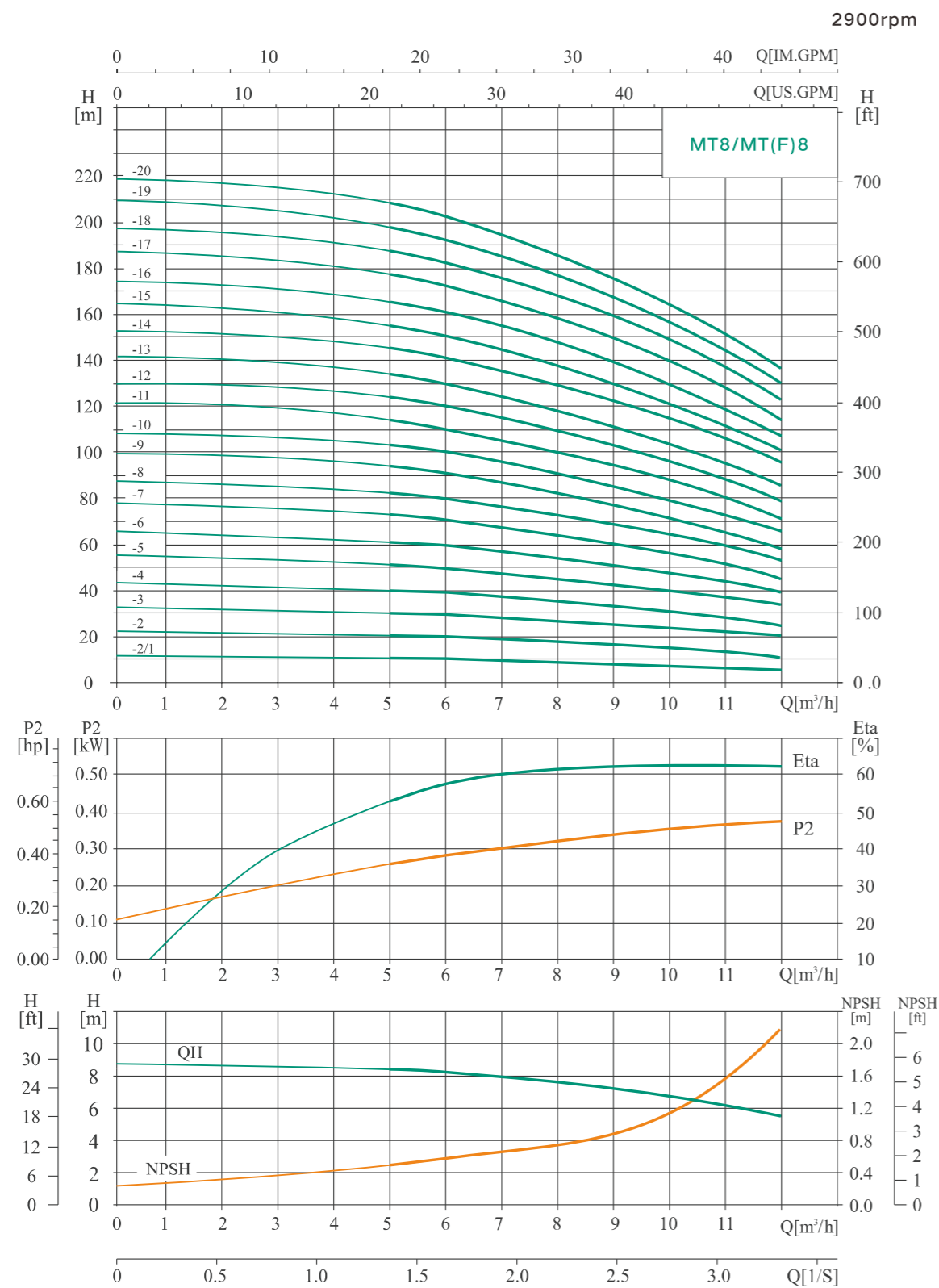
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT5-2	279	225	504	140	110	23
MT5-3	306	225	531	140	110	23
MT5-4	333	225	558	140	110	24
MT5-5	366	245	611	160	125	27
MT5-6	393	245	638	160	125	29
MT5-7	420	245	665	160	125	29
MT5-8	447	245	692	160	125	30
MT5-9	490	290	780	180	125	37
MT5-10	517	290	807	180	125	37
MT5-11	544	290	834	180	125	39
MT5-12	571	290	861	180	125	40
MT5-13	598	290	888	180	125	40
MT5-14	625	290	915	180	125	41
MT5-15	652	290	942	180	125	42
MT5-16	679	290	969	180	125	42
MT5-18	737	345	1082	190	140	49
MT5-20	791	345	1136	190	140	50
MT5-22	845	355	1200	220	150	60
MT5-24	899	355	1254	220	150	62
MT5-26	953	355	1308	220	150	63
MT5-29	1034	355	1389	220	150	65
MT5-32	1145	390	1535	260	210	80
MT5-36	1253	390	1643	260	210	83

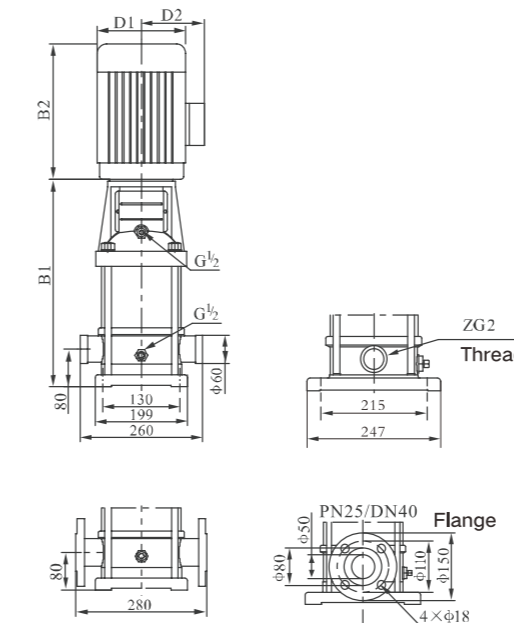
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	5	6	7	8	9	10	11	12
MT8-2/1	0.75	H (m)	10	9.5	9.3	9	8.5	8	7	6
MT8-2	0.75		20	19.5	19	18	17	16	14	13
MT8-3	1.1		30	29.5	28.5	27	25	24	21	19
MT8-4	1.5		41	39.5	38	36	34	32	28	26
MT8-5	2.2		52	50	48	45	42	40	36	32
MT8-6	2.2		62	60	57	54	51	48	43	39
MT8-8	3.0		83	80	77	73	69	65	58	52
MT8-10	4.0		104	100	97	92	87	81	73	65
MT8-12	4.0		124	120	116	111	104	92	87	78
MT8-14	5.5		145	141	136	130	122	113	102	92
MT8-16	5.5		166	161	156	148	139	130	118	106
MT8-18	7.5		187	182	175	167	157	146	134	120
MT8-20	7.5	208	202	195	186	175	163	150	135	

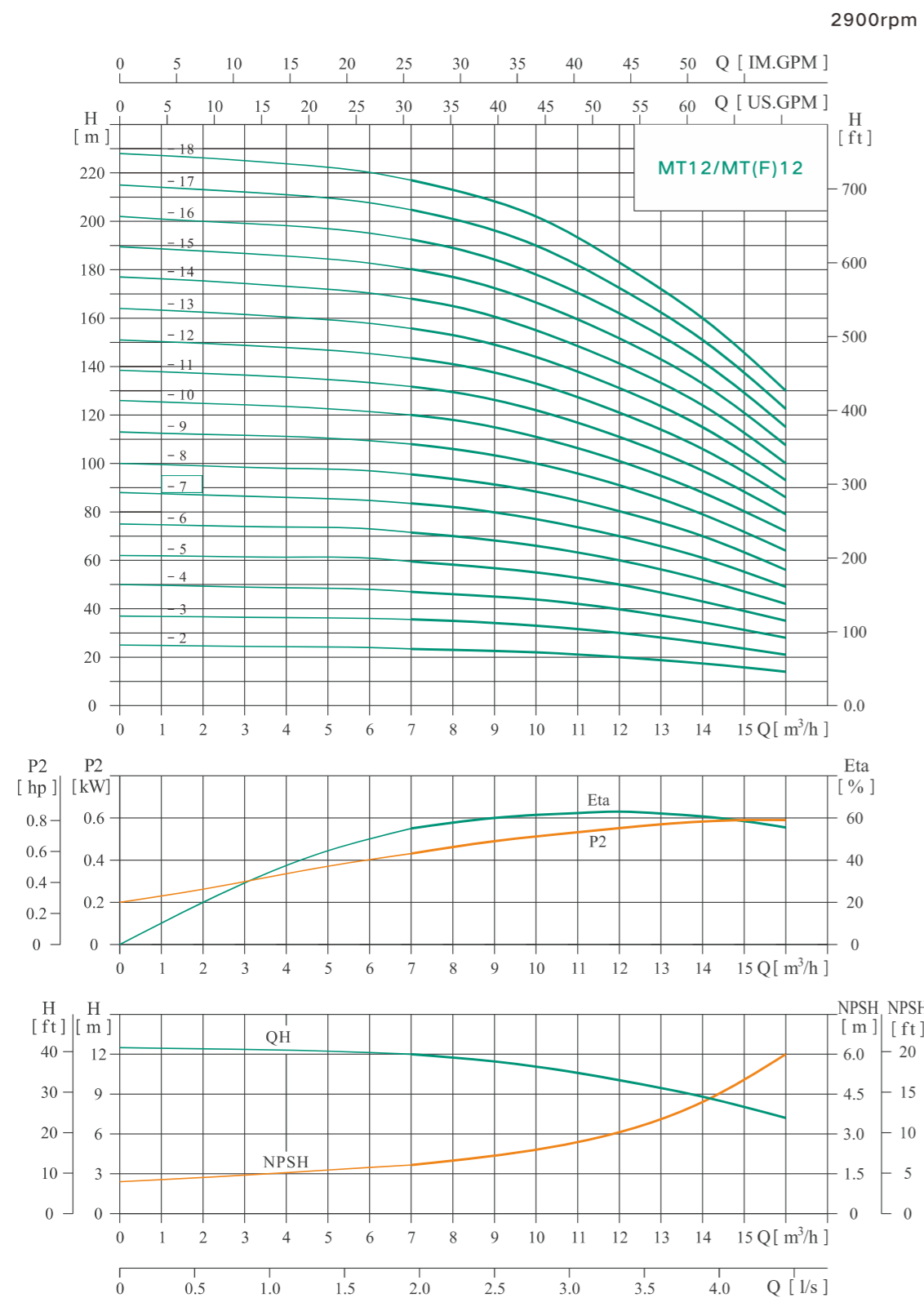
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT8-2/1	347	245	592	170	142	32
MT8-2	347	245	592	170	142	32
MT8-3	377	245	622	170	142	34
MT8-4	417	290	707	190	155	40
MT8-5	447	290	737	190	155	44
MT8-6	477	290	767	190	155	45
MT8-8	547	345	892	197	165	53
MT8-10	607	355	962	230	188	64
MT8-12	667	355	1022	230	188	66
MT8-14	747	390	1137	260	208	81
MT8-16	807	390	1197	260	208	84
MT8-18	867	390	1257	260	208	93
MT8-20	927	390	1317	260	208	94

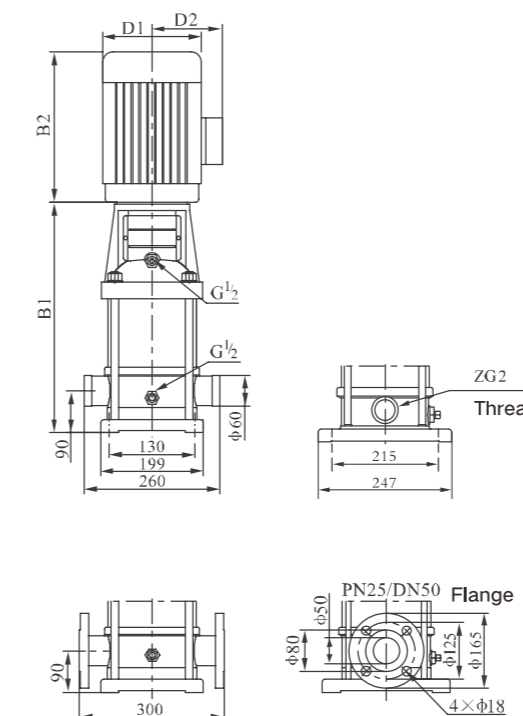
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	7	8	9	10	11	12	13	14	15	16
MT12-2	1.5	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
MT12-3	2.2		35.5	35	34	33	31.5	30	28	26	23.5	21
MT12-4	3		47	46	45	44	42	40	37	34	31	28
MT12-5	3		59.5	58	56.5	55	52.5	50	46.5	43	39	35
MT12-6	4		71.5	70	68	66	63	60	56	52	47	42
MT12-7	5.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
MT12-8	5.5		95.5	94	91	88	84	80	75	70	63	56
MT12-9	5.5		108	106	103	100	95.5	91	85	79	71.5	64
MT12-10	7.5		120	118	114.5	111	106	101	94.5	88	80	72
MT12-12	7.5		143.5	141	137	133	127	121	113.5	106	96	86
MT12-14	11		168	165	160	155	148	141	132.5	124	112	100
MT12-16	11		192.5	189	183.5	178	170	162	152	142	128.5	115
MT12-18	11		217	213	207.5	202	192.5	183	171.5	160	145	130

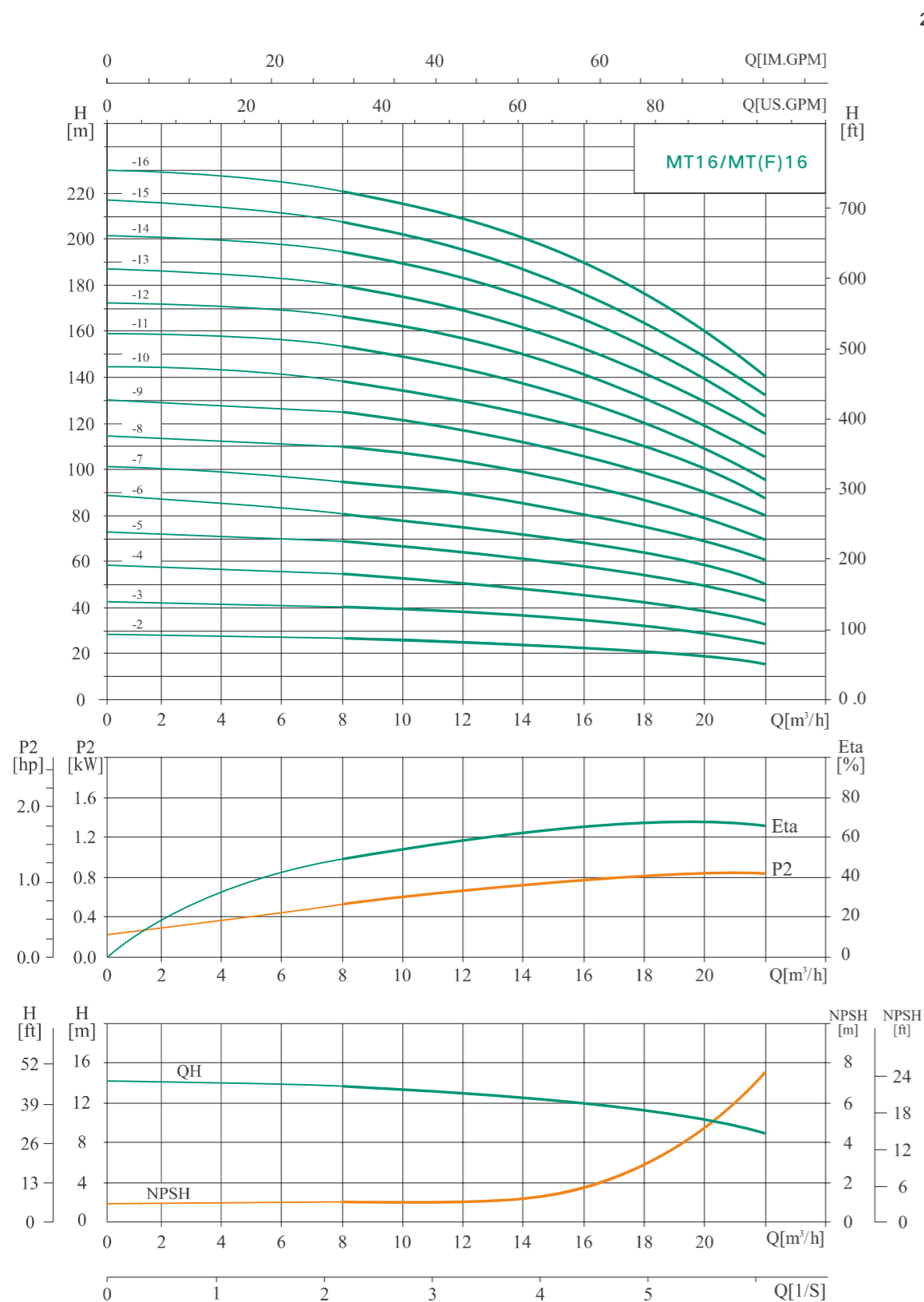
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT12-2	367	290	657	190	155	39
MT12-3	397	290	687	190	155	43
MT12-4	437	345	782	197	165	51
MT12-5	467	345	812	197	165	53
MT12-6	497	355	852	230	188	61
MT12-7	547	390	937	260	208	73
MT12-8	577	390	967	260	208	74
MT12-9	607	390	997	260	208	76
MT12-10	637	390	1027	260	208	83
MT12-12	697	390	1087	260	208	87
MT12-14	845	500	1345	330	255	157
MT12-16	905	500	1405	330	255	161
MT12-18	965	500	1465	330	255	164

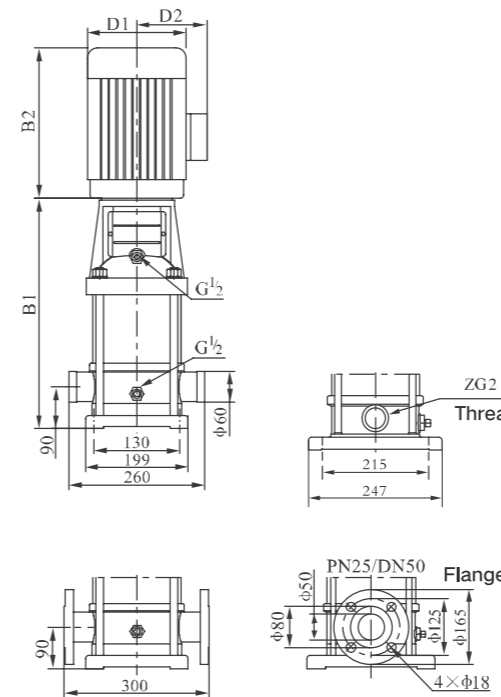
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	8	10	12	14	16	18	20	22
MT16-2	22	H (m)	27	26	25	24	22	21	19	16
MT16-3	3.0		41	40	38	37	34	32	29	25
MT16-4	4.0		54	53	52	49	46	43	38	34
MT16-5	5.5		68	67	65	62	58	54	45	43
MT16-6	5.5		82	80	78	74	70	64	58	52
MT16-7	7.5		96	95	91	87	82	76	68	61
MT16-8	7.5		110	108	104	99	94	86	77	70
MT16-10	11		138	136	131	125	118	109	97	87
MT16-12	11		166	162	157	150	141	130	116	105
MT16-14	15		194	190	184	175	166	152	136	122
MT16-16	15		222	217	210	200	189	174	156	140

Structure Diagram

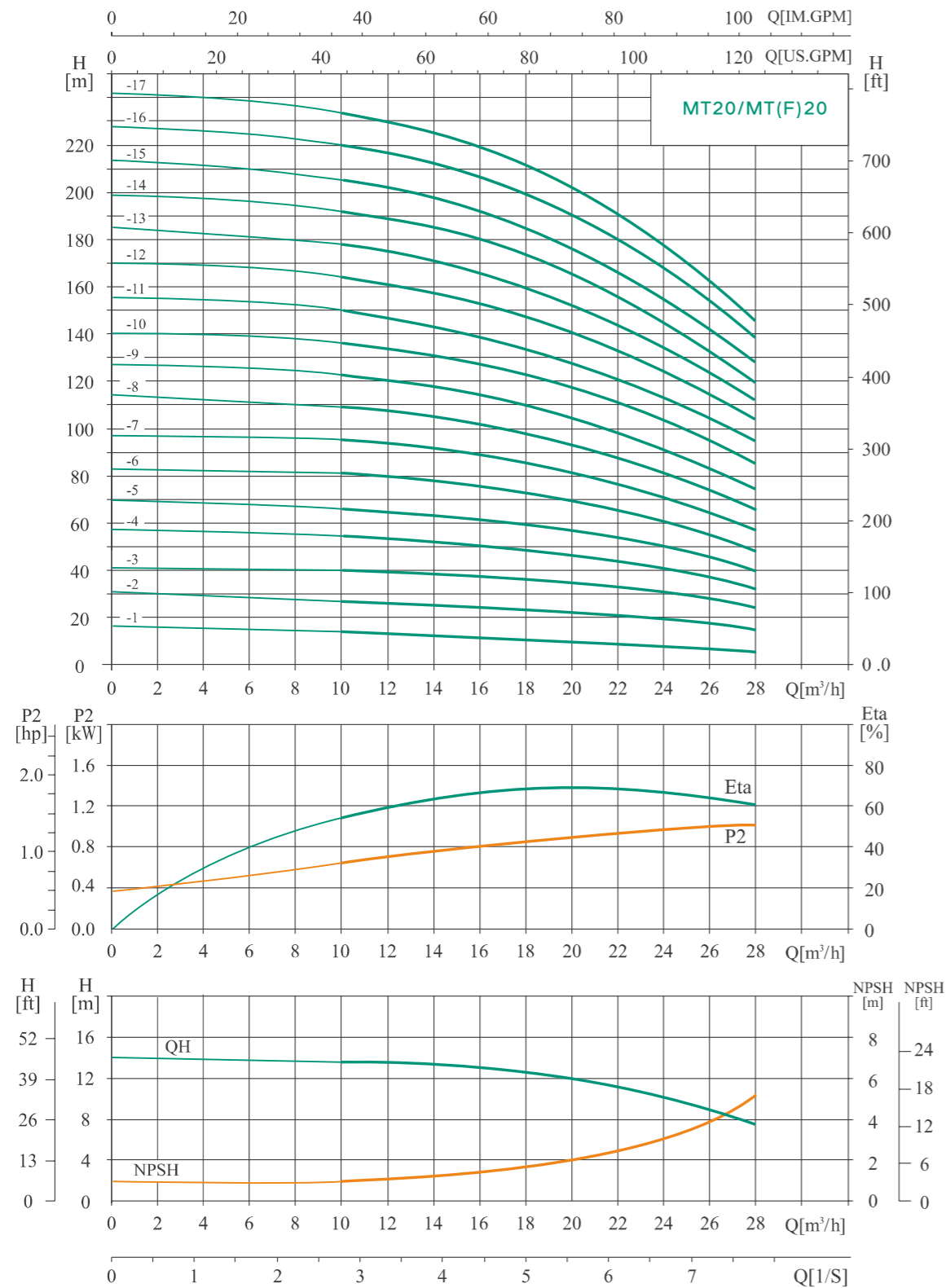


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT16-2	397	290	687	190	155	42
MT16-3	452	345	797	197	165	50
MT16-4	497	355	852	230	188	59
MT16-5	562	390	952	260	208	76
MT16-6	607	390	997	260	208	77
MT16-7	652	390	1042	260	208	84
MT16-8	697	390	1087	260	208	86
MT16-10	875	500	1375	330	255	158
MT16-12	965	500	1465	330	255	161
MT16-14	1055	500	1555	330	255	174
MT16-16	1145	500	1645	330	255	18

MT(F) Performance Curve

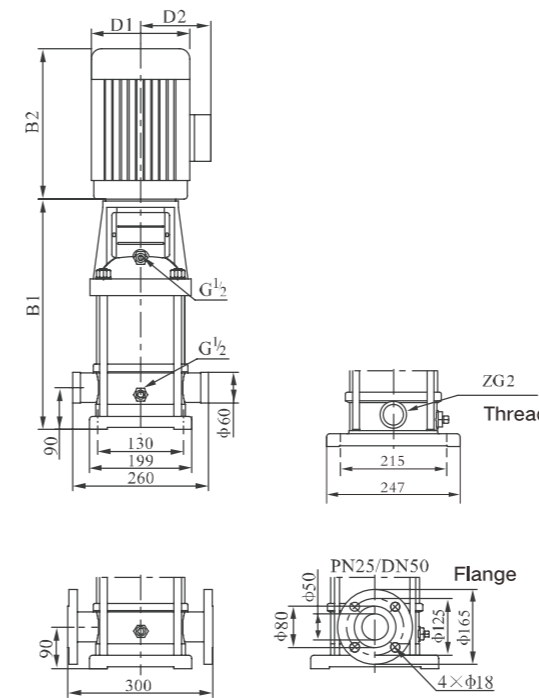
2900rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	10	12	14	16	18	20	22	24	26	28
MT20-1	1.1	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
MT20-2	2.2		27	26.5	26	25	24	23	22	20	18	15
MT20-3	4.0		40	39.5	39	38	37	35	33	30	27	24
MT20-4	5.5		54	53	52	51	49	47	44	41	37	33
MT20-5	5.5		67	66	64	62	60	58	55	50	45	40
MT20-6	7.5		81	79	77	75	73	70	66	61	55	49
MT20-7	7.5		95	93	91	89	86	82	77	71	65	58
MT20-8	11		109	107	105	102	99	94	89	82	75	67
MT20-10	11		136	134	131	128	124	118	111	103	95	85
MT20-12	15		164	162	158	154	149	142	133	124	114	102
MT20-14	15		192	189	185	180	174	166	156	145	133	119
MT20-17	18.5		234	230	225	219	212	202	190	177	162	145

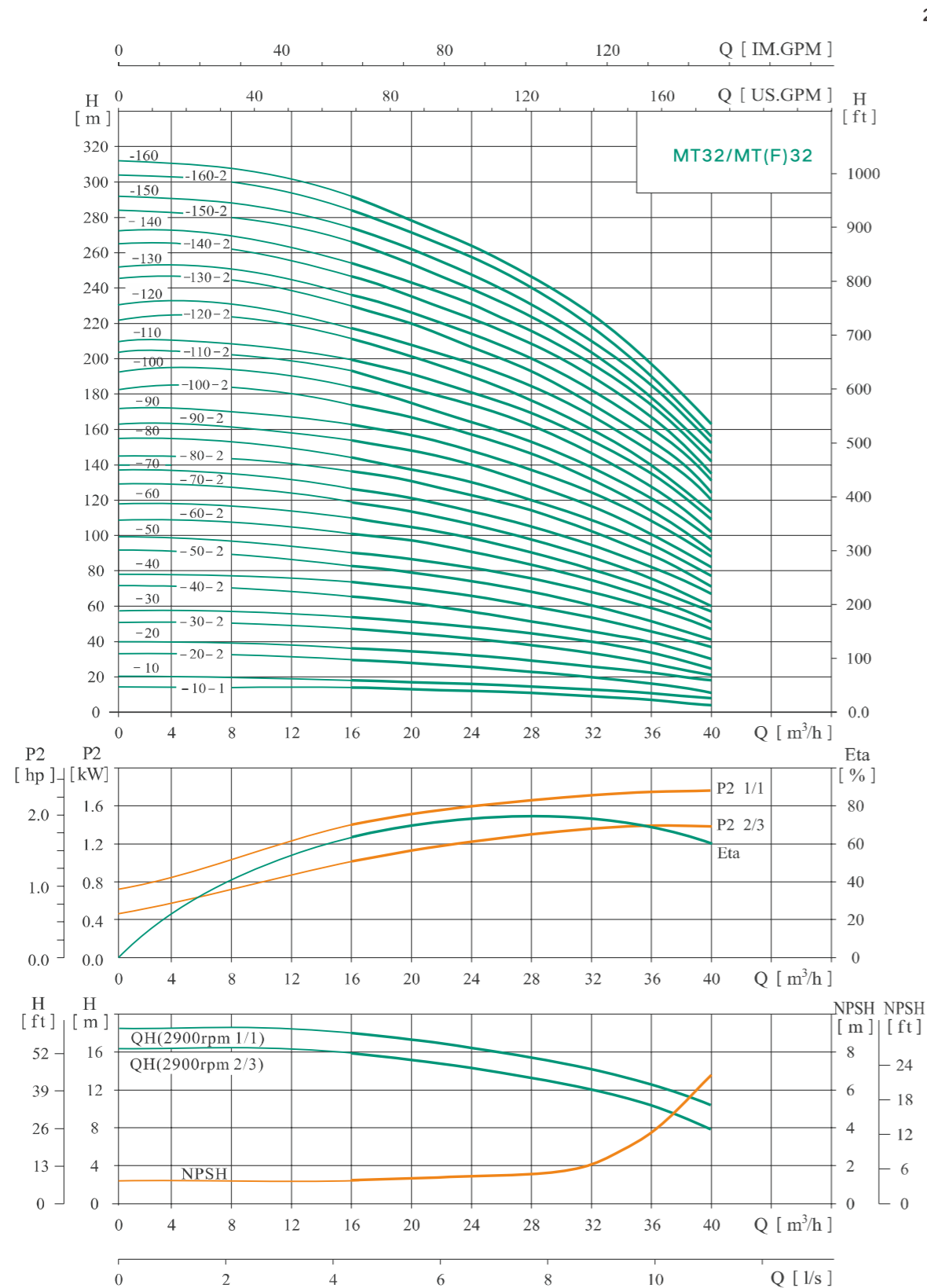
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT20-1	387	245	632	170	142	33
MT20-2	397	290	687	190	155	42
MT20-3	452	355	807	230	188	58
MT20-4	517	390	907	260	208	74
MT20-5	562	390	952	260	208	76
MT20-6	607	390	997	260	208	82
MT20-7	652	390	1042	260	208	84
MT20-8	785	500	1285	330	255	153
MT20-10	875	500	1375	330	255	157
MT20-12	965	500	1465	330	255	170
MT20-14	1055	500	1555	330	255	172
MT20-17	1190	500	1740	330	255	195

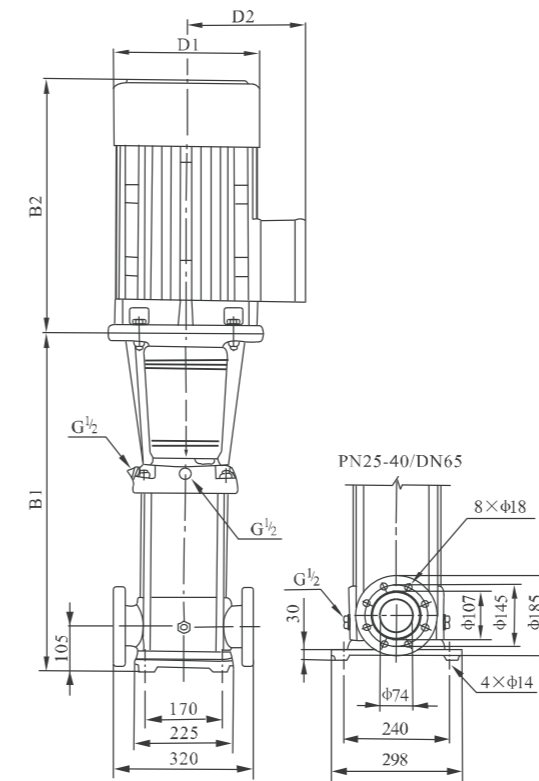
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	16	20	24	28	32	36	40	Type	Motor kw	Q m³/h	16	20	24	28	32	36	40
MT32-10-1	1.5	H (m)	14	13	12	11	9	7	4	MT32-90-2	18.5	H (m)	154	148	140	129	117	102	82
MT32-10	2.2		18	17	15	14	13	11	8	MT32-90	18.5		162	156	147	136	124	109	88
MT32-20-2	3.0		29	28	26	23	20	16	11	MT32-100-2	18.5		175	166	157	146	131	115	91
MT32-20	4.0		36	34	32	29	27	23	18	MT32-100	18.5		182	173	164	152	138	122	98
MT32-30-2	5.5		47	44	41	38	33	28	21	MT32-110-2	22		193	184	173	164	146	128	102
MT32-30	5.5		54	51	48	44	40	35	27	MT32-110	22		200	191	180	168	153	135	109
MT32-40-2	7.5		65	62	58	53	46	40	30	MT32-120-2	22		211	201	189	178	160	140	113
MT32-40	7.5		72	69	65	59	53	47	37	MT32-120	22		218	208	196	184	167	147	120
MT32-50-2	11		83	79	74	68	60	52	41	MT32-130-2	30		230	218	206	193	174	153	124
MT32-50	11		90	86	81	74	67	59	47	MT32-130	30		237	225	213	200	181	160	131
MT32-60-2	11		101	97	90	83	74	65	51	MT32-140-2	30		247	235	222	210	189	165	135
MT32-60	11		108	104	97	90	81	72	57	MT32-140	30		255	242	229	216	196	172	142
MT32-70-2	15		119	114	107	98	88	78	60	MT32-150-2	30		266	253	239	224	203	178	145
MT32-70	15		126	121	113	105	95	85	67	MT32-150	30		274	260	246	231	210	185	152
MT32-80-2	15		136	131	123	114	102	90	71	MT32-160-2	30		284	270	255	240	218	190	156
MT32-80	15		144	138	130	120	109	97	77	MT32-160	30		292	277	262	246	225	197	163

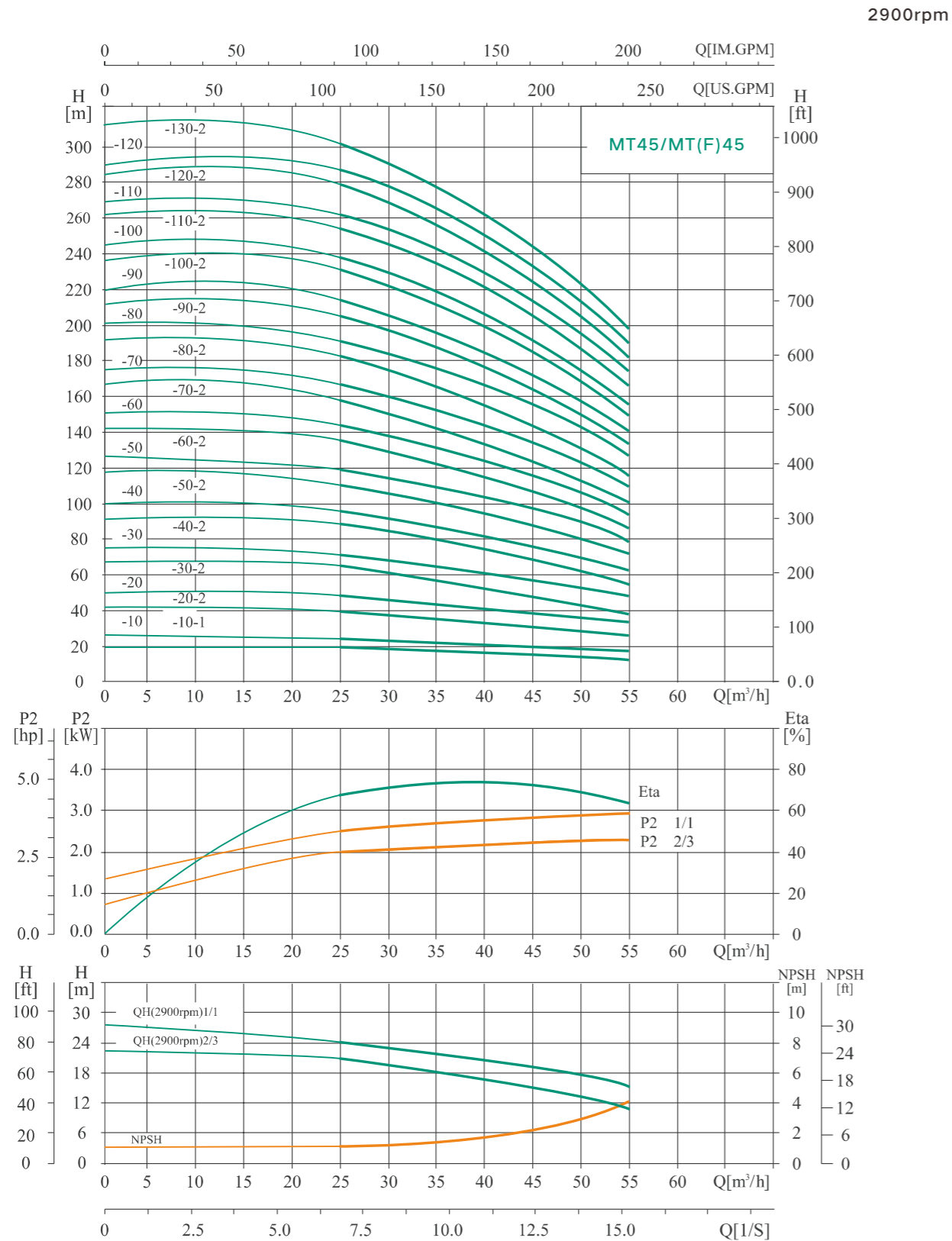
Structure Diagram



Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT32-10-1/MT32-10	505	290	795	190	155	64/68
MT32-20-2/MT32-20	575	345/355	920/930	197/230	165/180	77/85
MT32-30-2/MT32-30	645	390	1035	260	208	100
MT32-40-2/MT32-40	715	390	1105	260	208	109
MT32-50-2/MT32-50	890	500	1390	330	255	181
MT32-60-2/MT32-60	960	500	1460	330	255	185
MT32-70-2/MT32-70	1030	500	1530	330	255	199
MT32-80-2/MT32-80	1100	500	1600	330	255	203
MT32-90-2/MT32-90	1170	550	1720	330	255	222
MT32-100-2/MT32-100	1240	550	1790	330	255	227
MT32-110-2/MT32-110	1310	575	1885	360	285	272
MT32-120-2/MT32-120	1380	575	1955	360	285	276
MT32-130-2/MT32-130	1450	650	2100	400	310	337
MT32-140-2/MT32-140	1520	650	2170	400	310	341
MT32-150-2/MT32-150	1590	650	2240	400	310	345
MT32-160-2/MT32-160	1660	650	2310	400	310	350

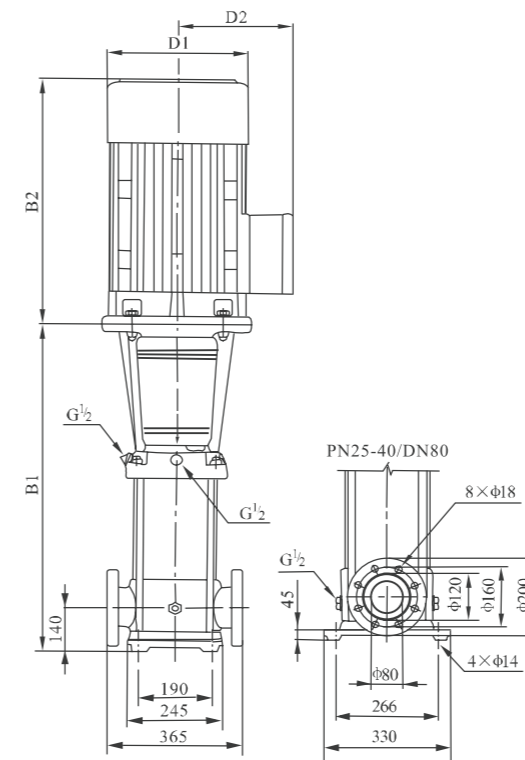
MT(F) Performance Curve



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	25	30	35	40	42	45	50	55
MT45-10-1	3.0	H (m)	20	19	18	17	16	15	13	11
MT45-10	4.0		24	23	22	21	20	19	18	16
MT45-20-2	5.5		40	38	36	33	32	30	27	23
MT45-20	7.5		48	46	44	42	41	39	35	31
MT45-30-2	11		63	61	58	54	52	50	44	38
MT45-30	11		71	69	66	63	61	58	53	47
MT45-40-2	15		87	84	80	75	73	69	62	54
MT45-40	15		95	92	88	84	81	78	71	62
MT45-50-2	18.5		111	107	102	96	93	88	80	69
MT45-50	18.5		119	115	110	105	101	97	88	78
MT45-60-2	22		132	130	124	117	113	108	97	85
MT45-60	22		143	138	132	125	122	116	106	93
MT45-70-2	30		158	152	146	138	134	127	115	100
MT45-70	30		166	161	154	146	142	135	124	109
MT45-80-2	30		182	175	168	159	154	146	133	116
MT45-80	30		190	184	176	167	162	154	141	124
MT45-90-2	30		205	198	190	180	174	166	150	132
MT45-90	37		214	207	198	188	183	174	159	140
MT45-100-2	37		230	221	212	200	194	185	168	147
MT45-100	37		238	230	220	209	203	193	177	155
MT45-110-2	45	255	246	236	223	217	206	188	165	
MT45-110	45	263	255	244	232	225	214	196	173	
MT45-120-2	45	280	270	259	245	238	226	206	181	
MT45-120	45	289	280	268	255	247	236	216	190	
MT45-130-2	45	305	294	282	267	259	247	225	198	

Structure Diagram

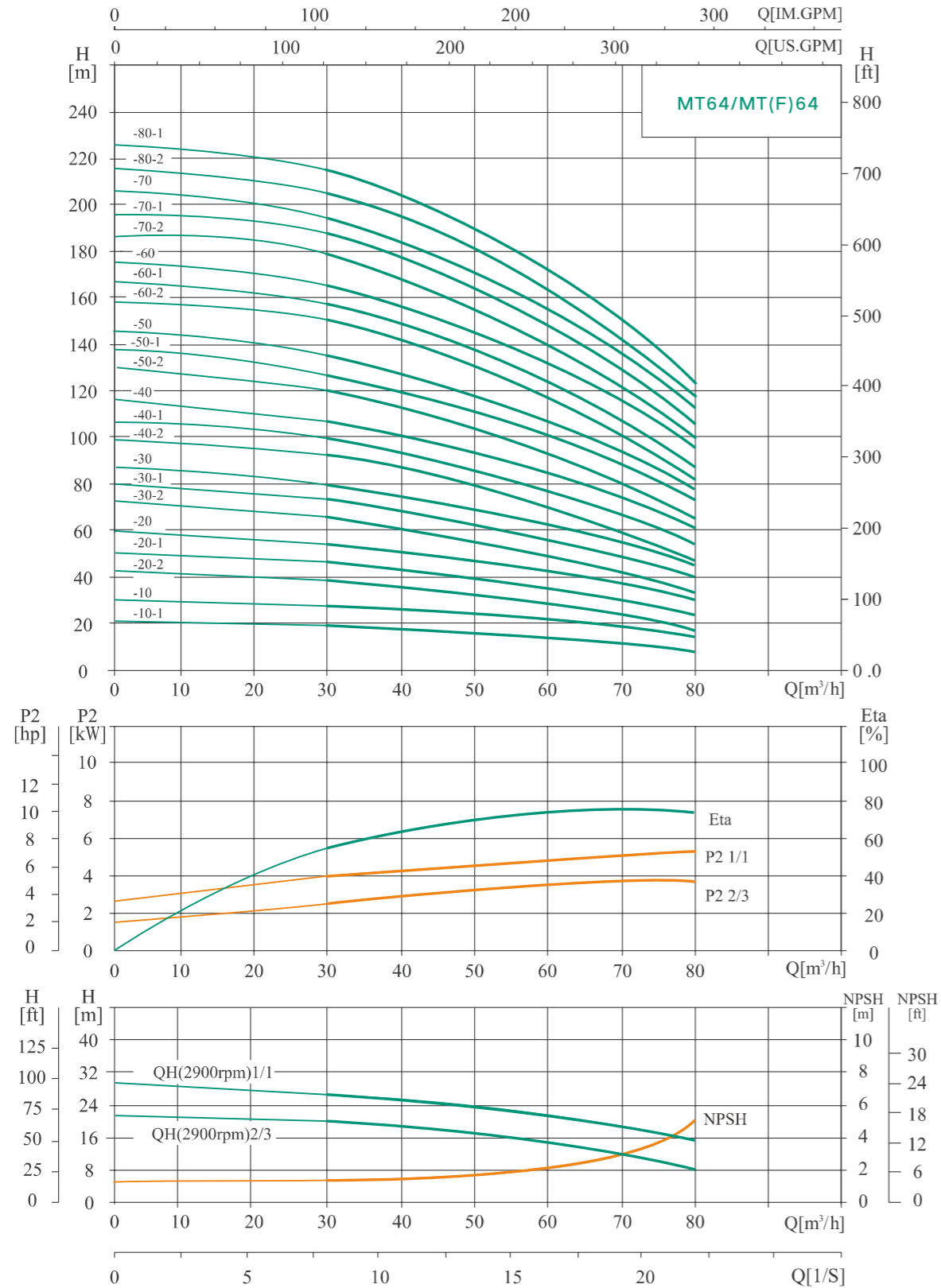


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT45-10-1	561	345/355	906/916	197/230	165/188	83/90
MT45-10						
MT45-20-2	641	390	1031	260	208	105/110
MT45-20						
MT45-30-2	826	500	1326	330	255	183
MT45-30						
MT45-40-2	906	500	1406	330	255	197
MT45-40						
MT45-50-2	986	550	1536	330	255	221
MT45-50						
MT45-60-2	1066	575	1641	360	285	261
MT45-60						
MT45-70-2	1146	650	1796	400	310	320
MT45-70						
MT45-80-2	1226	650	1876	400	310	324
MT45-80						
MT45-90-2	1306	650	1956	400	310	328/352
MT45-90						
MT45-100-2	1386	650	2036	400	310	355
MT45-100						
MT45-110-2	1466	685	2151	450	345	426
MT45-110						
MT45-120-2	1546	685	2231	450	345	432
MT45-120						
MT45-130-2	1626	685	2311	450	345	438

MT(F) Performance Curve

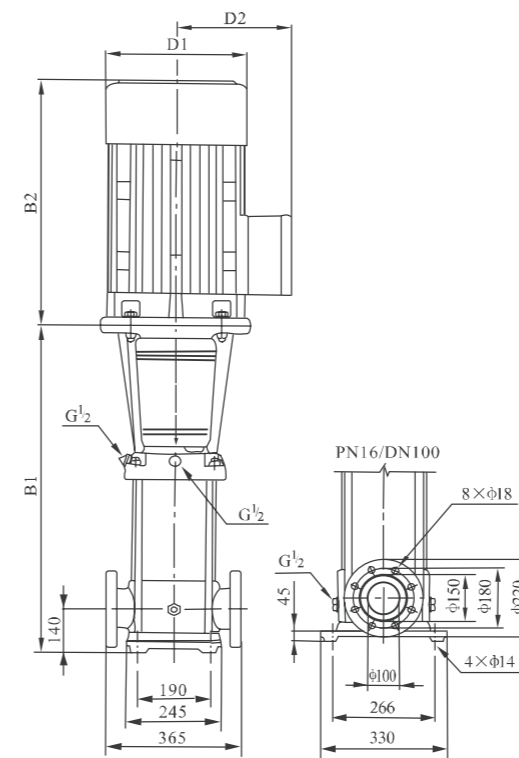
2900rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	30	40	50	60	65	70	80
MT64-10-1	4.0	H (m)	19	18	16	14	13	11	8
MT64-10	5.5		27	25	23	21	20	18	15
MT64-20-2	7.5		39	36	33	29	26	23	17
MT64-20-1	11		46	44	40	36	33	30	24
MT64-20	11		53	51	47	43	40	37	30
MT64-30-2	15		66	62	56	50	46	41	32
MT64-30-1	15		73	69	63	57	53	48	39
MT64-30	18.5		80	76	70	64	60	55	46
MT64-40-2	18.5		92	87	80	71	66	60	47
MT64-40-1	22		100	94	87	78	73	67	54
MT64-40	22		107	101	94	85	80	74	61
MT64-50-2	30		121	114	105	95	88	80	64
MT64-50-1	30		128	121	112	102	95	87	71
MT64-50	30		136	129	119	109	102	94	78
MT64-60-2	30		150	142	131	118	110	101	81
MT64-60-1	37		157	149	138	125	117	108	88
MT64-60	37		164	156	145	132	124	115	95
MT64-70-2	37		179	169	156	141	132	121	99
MT64-70-1	37		186	176	163	148	139	128	106
MT64-70	45		193	183	170	155	146	135	112
MT64-80-2	45	207	196	182	164	154	142	116	
MT64-80-1	45	215	203	189	171	161	149	123	

Structure Diagram

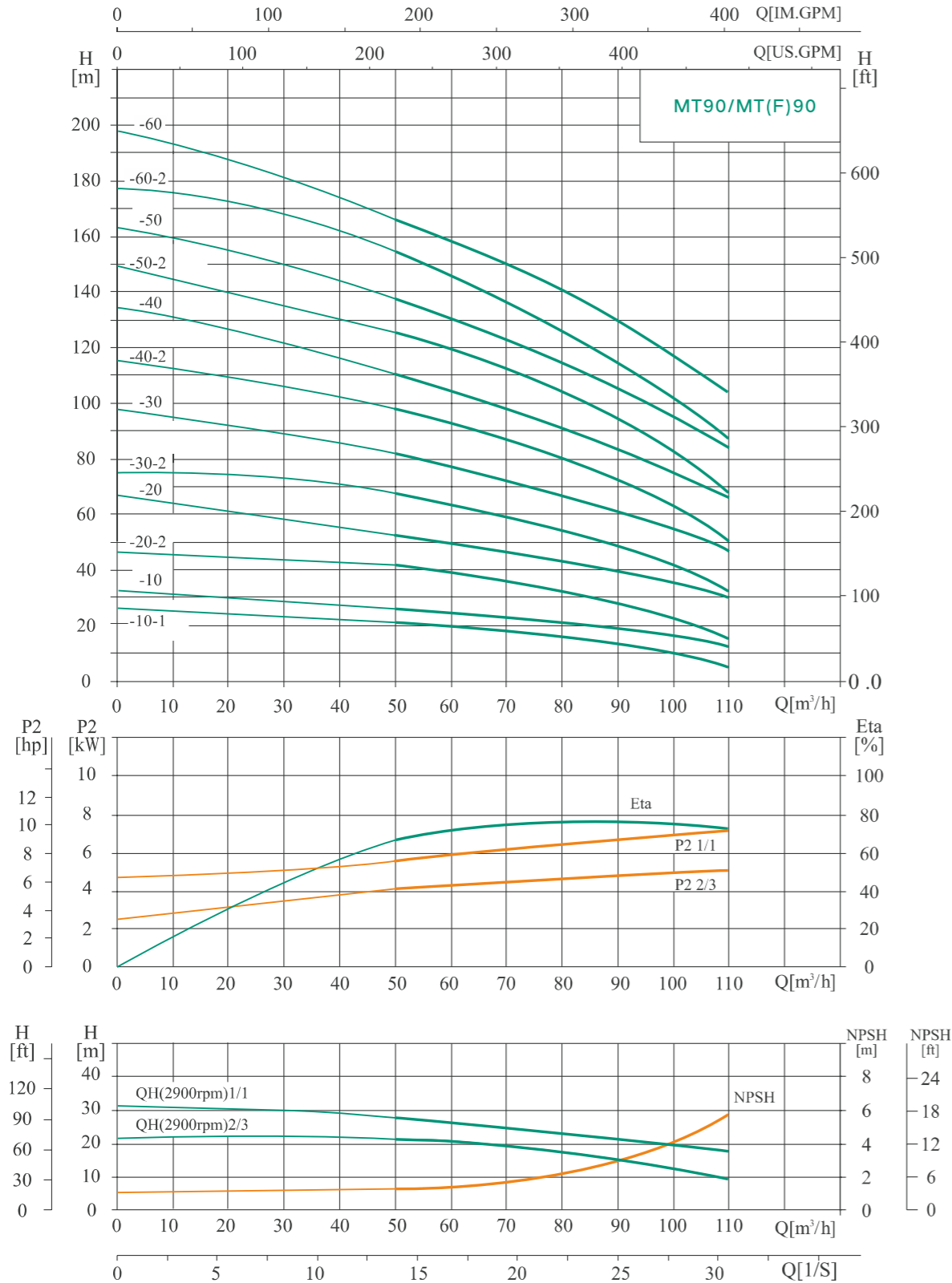


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT64-10-1	561	355	916	230	188	93
MT64-10	561	390	951	260	208	105
MT64-20-2	644	390	1034	260	208	110
MT64-20-1	754	500	1254	330	255	182
MT64-20	754	500	1254	330	255	182
MT64-30-2	836	500	1336	330	255	196
MT64-30-1	836	500	1336	330	255	197
MT64-30	836	550	1386	330	255	221
MT64-40-2	919	550	1469	330	255	225
MT64-40-1	919	575	1494	360	285	258
MT64-40	919	575	1494	360	285	258
MT64-50-2	1001	650	1651	400	310	319
MT64-50-1	1001	650	1651	400	310	319
MT64-50	1001	650	1651	400	310	320
MT64-60-2	1084	650	1734	400	310	325
MT64-60-1	1084	650	1734	400	310	349
MT64-60	1084	650	1734	400	310	349
MT64-70-2	1166	650	1816	400	310	353
MT64-70-1	1166	650	1816	400	310	353
MT64-70	1166	685	1851	460	340	420
MT64-80-2	1248	685	1933	460	340	424
MT64-80-1	1248	685	1933	460	340	424

MT(F) Performance Curve

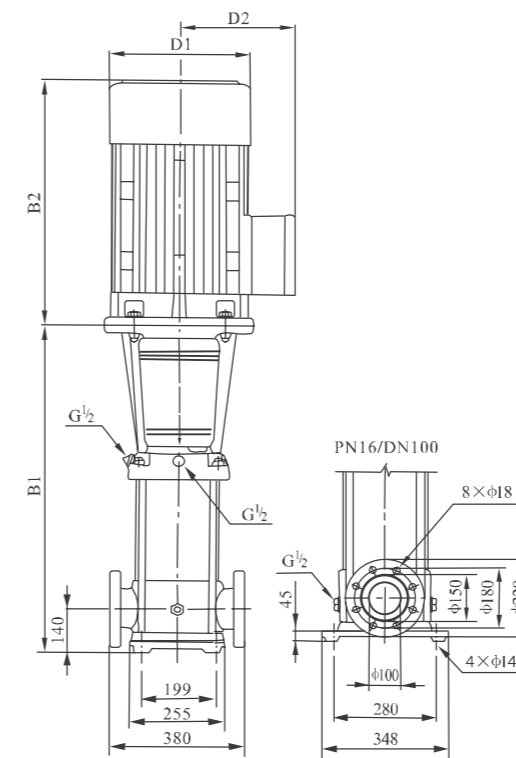
2900rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	50	60	70	80	85	90	100	110
MT90-10-1	5.5	H (m)	22	19	17	16	14	13	210	6
MT90-10	7.5		25	24	22	21	20	19	16	12
MT90-20-2	11		41	39	36	32	30	28	22	15
MT90-20	15		53	50	47	44	41	40	36	30
MT90-30-2	18.5		68	65	60	55	52	49	41	32
MT90-30	22		81	77	72	67	64	62	55	48
MT90-40-2	30		98	93	87	80	75	72	62	50
MT90-40	30		110	105	100	92	86	84	76	66
MT90-50-2	37		126	120	113	104	98	93	81	68
MT90-50	37		139	131	124	115	110	106	94	83
MT90-60-2	45		155	148	139	129	122	117	102	86
MT90-60	45		168	160	150	141	134	130	117	103

Structure Diagram

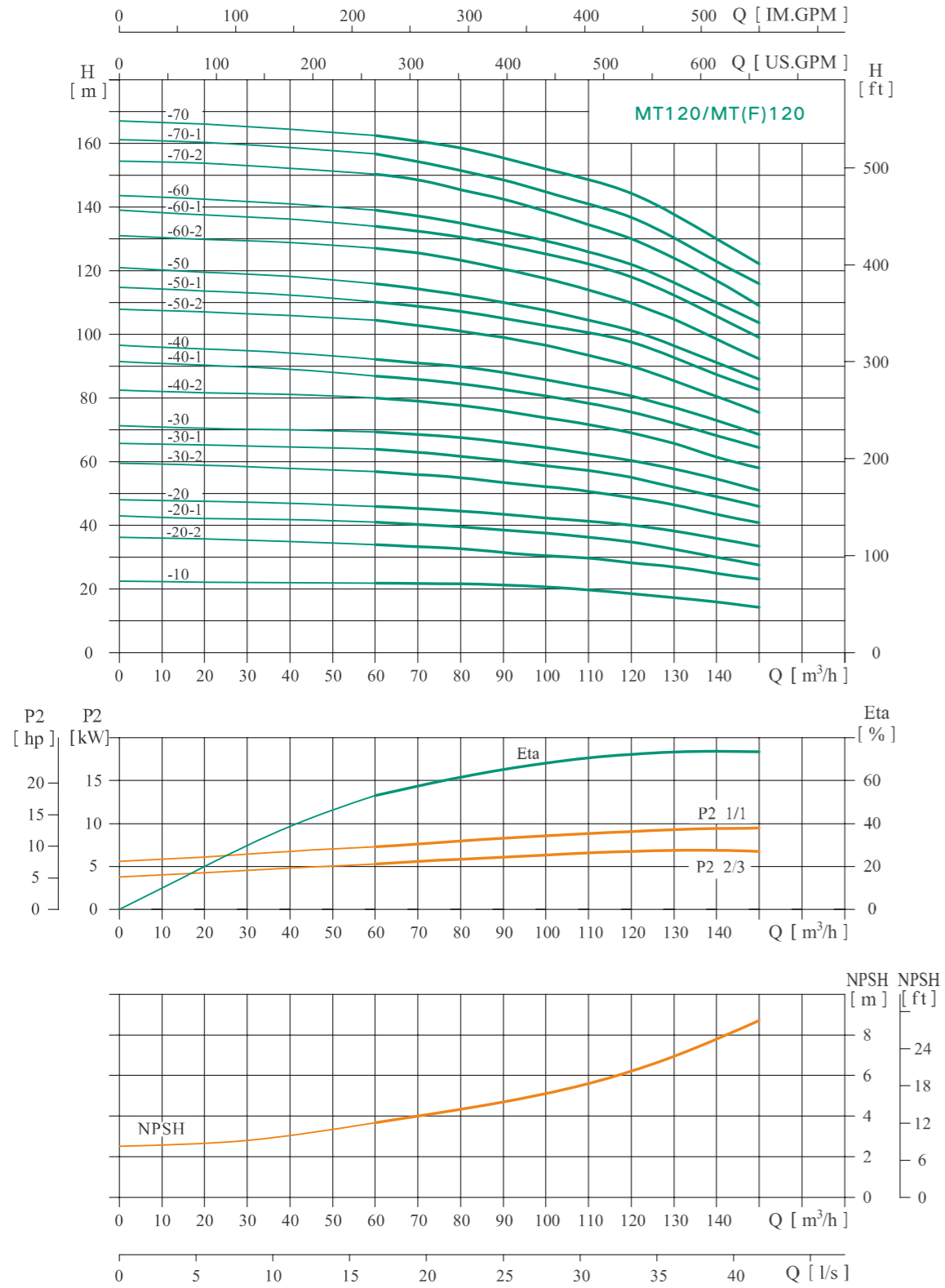


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT90-10-1	571	390	961	260	208	105
MT90-10	571	390	961	260	208	110
MT90-20-2	773	500	1273	330	255	181
MT90-20	773	500	1273	330	255	192
MT90-30-2	865	550	1415	330	255	215
MT90-30	865	575	1440	360	285	252
MT90-40-2	957	650	1607	400	310	312
MT90-40	957	650	1607	400	310	312
MT90-50-2	1049	650	1699	400	310	336
MT90-50	109	650	1699	400	310	336
MT90-60-2	1141	685	1826	460	340	407
MT90-60	1141	685	1826	460	340	407

MT(F) Performance Curve

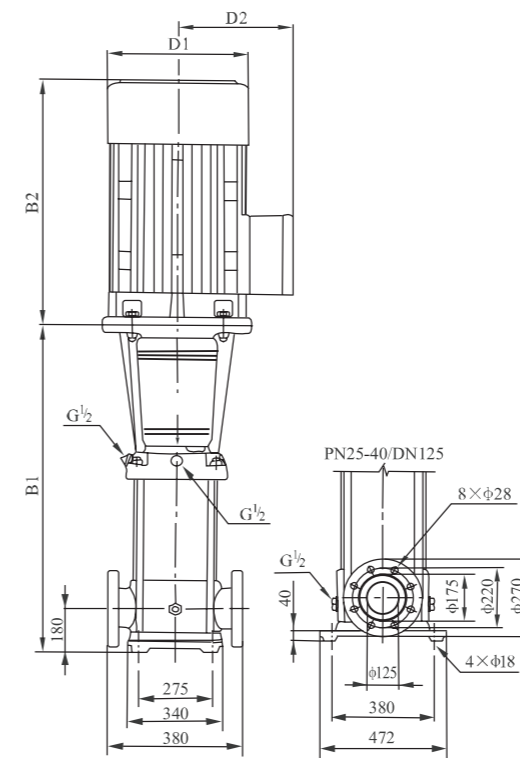
2950rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	60	70	80	90	100	110	120	130	140	150
MT120-10	11	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
MT120-20-2	15		34	33.6	33	31	30.2	30	28.5	27	25	24
MT120-20-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
MT120-20	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
MT120-30-2	30		57	56	55	53.5	52	51	49	46.5	43.5	41
MT120-30-1	30		64	63	62	60	58.5	57.5	55.5	52	49	46
MT120-30	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
MT120-40-2	37		80.5	79	78	76	73.5	72	69	66	61.5	58
MT120-40-1	37		87	86	84.5	82	80	78	76	72	68	64.5
MT120-40	45		92.5	91	90	88	85.5	83	81	77	73	68.5
MT120-50-2	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5
MT120-50-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83
MT120-50	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86
MT120-60-2	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
MT120-60-1	55		134	132	130.5	127	124	121	118	111	105	100
MT120-60	75		139	137	135	132	128.8	126	123	116	110	104
MT120-70-2	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109
MT120-70-1	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
MT120-70	75		162.5	160.5	158.5	155	151	148	145	137	129	123

Structure Diagram

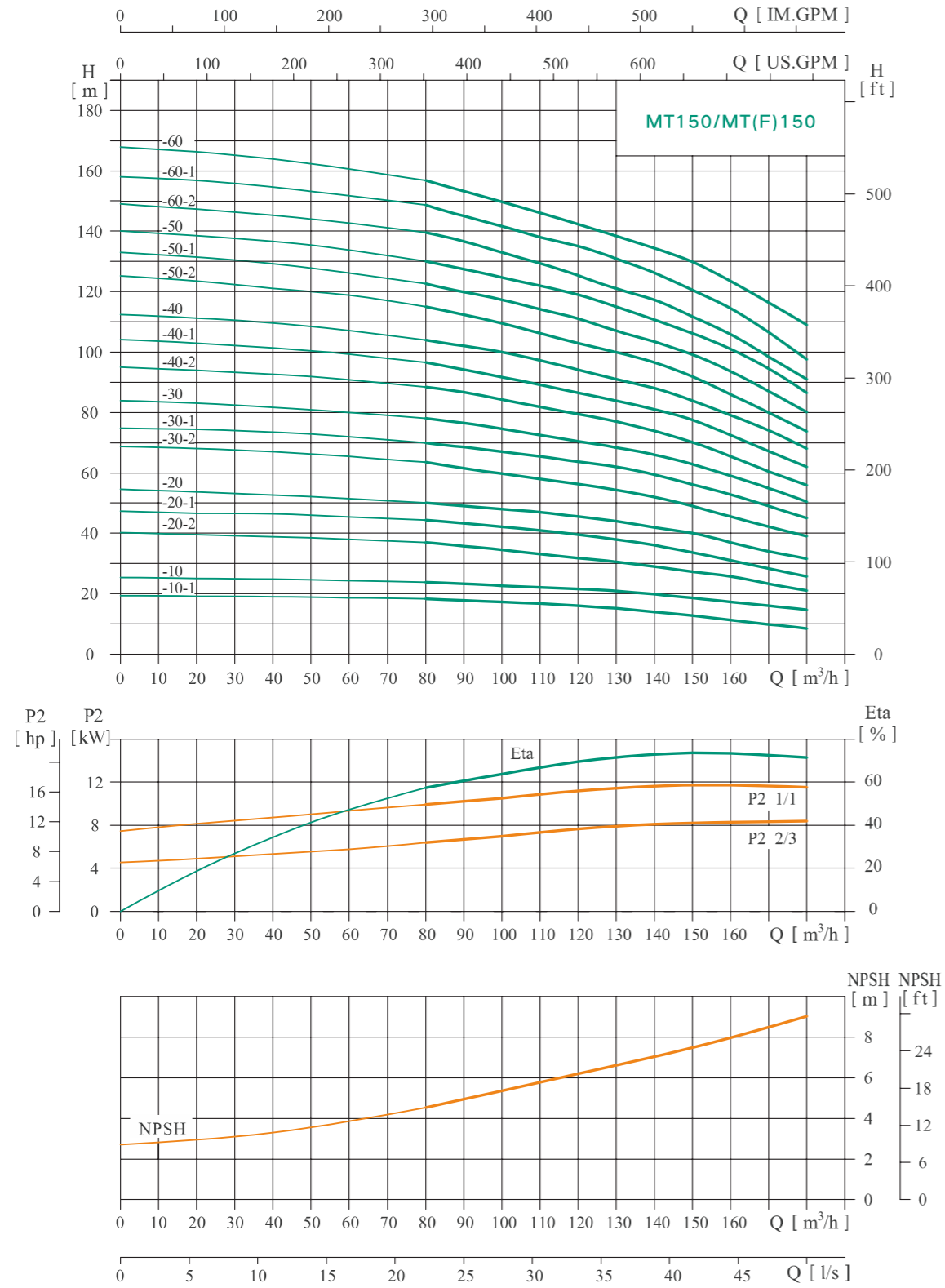


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT120-10	840	500	1340	330	255	230
MT120-20-2	1000	500	1500	330	255	245
MT120-20-1	1000	550	1550	330	255	250
MT120-20	1000	575	1575	360	285	285
MT120-30-2	1160	650	1810	400	310	360
MT120-30-1	1160	650	1810	400	310	360
MT120-30	1160	650	1810	400	310	360
MT120-40-2	1320	650	1970	400	310	400
MT120-40-1	1320	650	1970	400	310	400
MT120-40	1320	685	2005	460	340	460
MT120-50-2	1480	685	2165	460	340	470
MT120-50-1	1480	685	2165	460	340	470
MT120-50	1510	760	2270	540	370	575
MT120-60-2	1670	760	2430	540	370	585
MT120-60-1	1670	760	2430	540	370	585
MT120-60	1670	845	2515	580	410	705
MT120-70-2	1830	845	2675	580	410	715
MT120-70-1	1830	845	2675	580	410	715
MT120-70	1830	845	2675	580	410	715

MT(F) Performance Curve

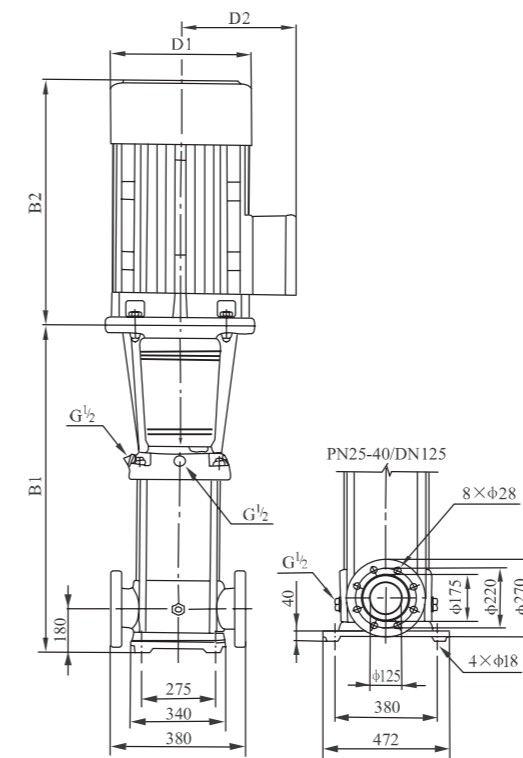
2900rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	80	90	100	110	120	130	140	150	160	170	180
MT150-10-1	11	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
MT150-10	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
MT150-20-2	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
MT150-20-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
MT150-20	30		50	49	48	47	45.5	44	42	40	37	34	32
MT150-30-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
MT150-30-1	37		70	68	67	65	63	62	60	56	53	49	45
MT150-30	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
MT150-40-2	45		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
MT150-40-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
MT150-40	55		104	102	100	97	89	91	88	84	79.5	74	68
MT150-50-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
MT150-50-1	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
MT150-50	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
MT150-60-2	75		140	137	133	130	126	121	118	112	106	98	91
MT150-60-1	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
MT150-60	75		157	153	149	145	142	139.5	137	130	123.5	116	109

Structure Diagram

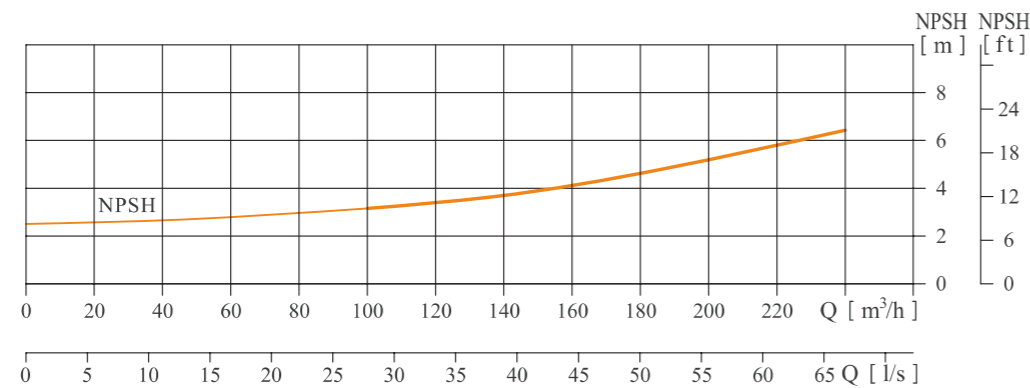
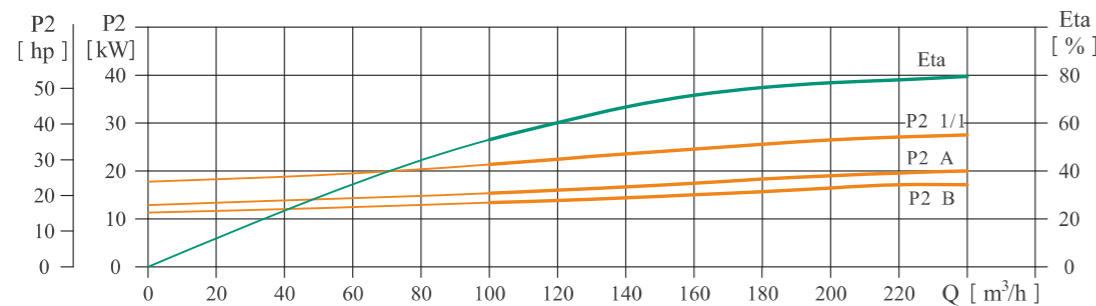
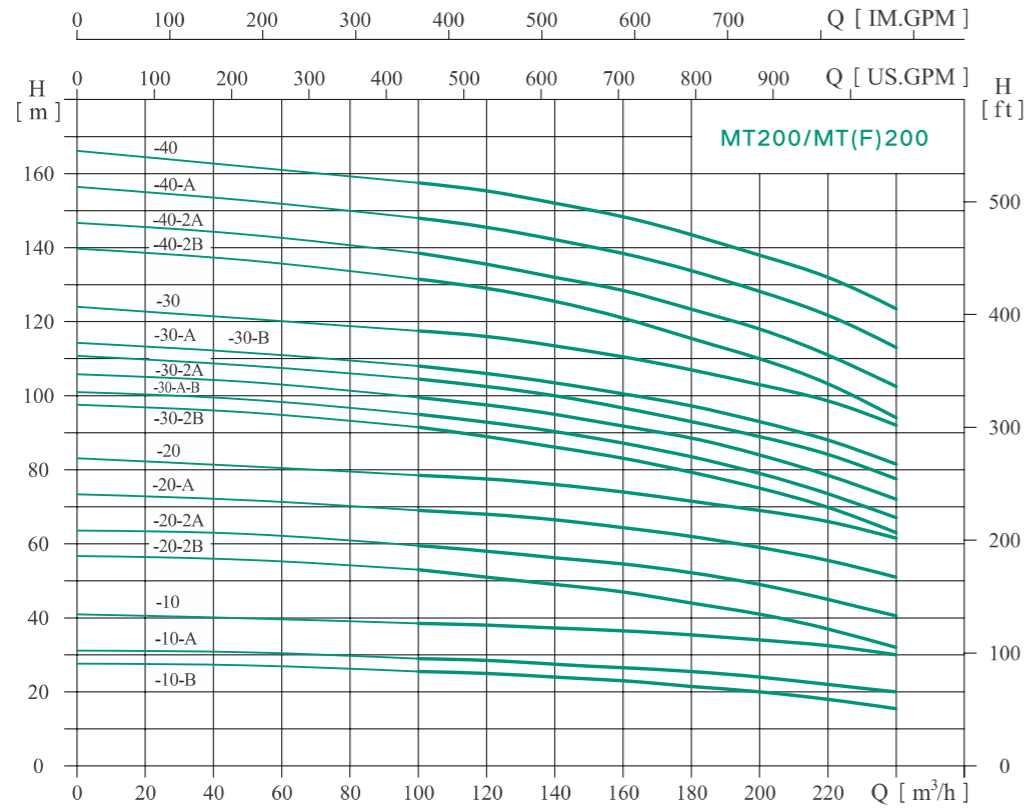


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT150-10-1	840	500	1340	330	255	230
MT150-10	840	500	1340	330	255	235
MT150-20-2	1000	550	1550	330	255	250
MT150-20-1	1000	575	1575	360	285	295
MT150-20	1000	650	1650	400	310	350
MT150-30-2	1160	650	1810	400	310	360
MT150-30-1	1160	650	1810	400	310	360
MT150-30	1160	650	1810	400	310	385
MT150-40-2	1320	685	2005	460	340	460
MT150-40-1	1320	685	2005	460	340	460
MT150-40	1350	760	2110	540	370	560
MT150-50-2	1510	760	2270	540	370	570
MT150-50-1	1510	845	2355	580	410	690
MT150-50	1510	845	2355	580	410	690
MT150-60-2	1670	845	2515	580	410	700
MT150-60-1	1670	845	2515	580	410	700
MT150-60	1670	845	2515	580	410	700

MT(F) Performance Curve

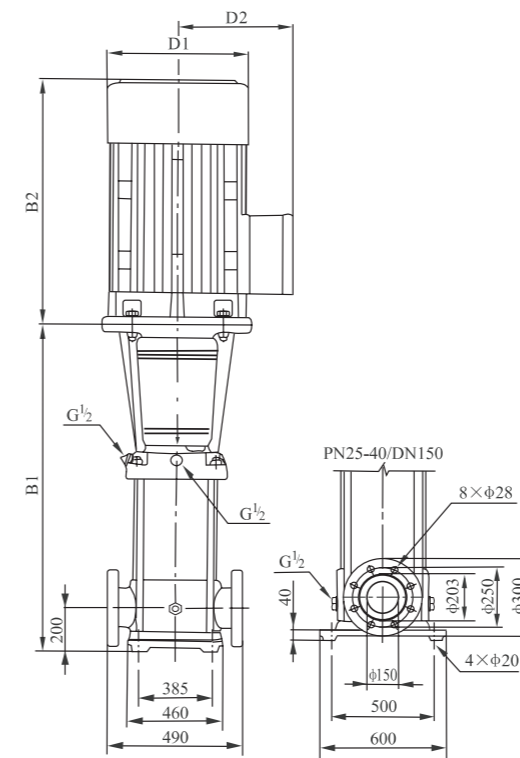
2950rpm



MT(F) Performance Parameters

Type	Motor kw	Q m³/h	100	120	140	160	180	200	220	240
MT200-10-B	18.5	H (m)	25.5	25	24	23	21.5	20	18	15.5
MT200-10-A	22		29	28.5	27.5	26.5	25.5	24	22	20
MT200-10	30		38.5	38	37.5	36.5	35	34	32.5	30
MT200-20-2B	37		53	51	49	47	44	41	37	32
MT200-20-2A	45		59.5	58	56	54	52.5	49	44.5	40.5
MT200-20-A	55		69	68	66	64	62	59	55.5	51
MT200-20	55		78.5	77.5	76	74	71.5	69	66	61.5
MT200-30-2B	75		91.5	89	86.5	83.5	79	75	70	63
MT200-30-A-B	75		95	93	90	87	83.5	79	73.5	67
MT200-30-2A	75		99.5	97.5	94.5	91.5	89	84	78.5	72
MT200-30-B	75		104.5	102.5	100	97	93	89	84.5	77.5
MT200-30-A	75		108	106	103.5	100.5	97.5	93	88	81.5
MT200-30	90		117.5	116	113.5	110.5	107	103	99	92
MT200-40-2B	90		131.5	129	125.5	121	115.5	110	103.5	94
MT200-40-2A	110		138.5	136	132	128	124	118	111	102.5
MT200-40-A	110		148	145.5	142.5	138	134	128	122	113
MT200-40	110		157.5	155.5	152.5	148	143.5	138	132.5	123.5

Structure Diagram

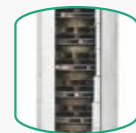


Size and Weight

Type	Size(mm)					Weight kg
	B1	B2	B1+B2	D1	D2	
MT200-10-B	907	550	1457	330	255	311
MT200-10-A	907	575	1482	360	285	347
MT200-10	907	650	1557	400	310	403
MT200-20-2B	1101	650	1751	400	310	447
MT200-20-2A	1101	685	1786	460	340	504
MT200-20-A	1131	760	1891	540	370	595
MT200-20	1131	760	1891	540	370	595
MT200-30-2B	1325	845	2170	580	410	748
MT200-30-A-B	1325	845	2170	580	410	748
MT200-30-2A	1325	845	2170	580	410	748
MT200-30-B	1325	845	2170	580	410	748
MT200-30-A	1325	845	2170	580	410	748
MT200-30	1325	845	2220	580	410	817
MT200-40-2B	1519	895	2414	580	410	830
MT200-40-2A	1519	1140	2659	645	550	1180
MT200-40-A	1519	1140	2659	645	550	1180
MT200-40	1519	1140	2659	645	550	1180

4CW

Water Filled Motor AC/DC Solar Pump



SS Impeller



Thrust Bearing



Screw Drive



Wrench And Screws



Heat Shrinkable Tube



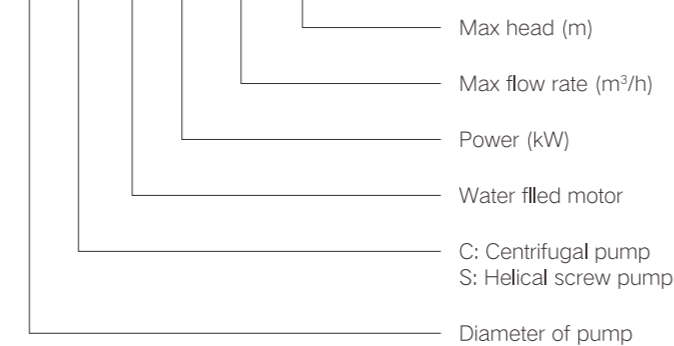
AC/DC switch



- Water filled motor
- Permanent magnetism
- FOC Control

Model Description

4 C/S W 1.1 - 5 / 128



Applications

- It is widely used for water supply in the outer suburbs without electricity. Like: Water for livestock, Water for irrigation, Drinking and cooking water supply.

Working Conditions

- Power: 550w-2200w
- Input voltage: DC 60-380V
- Input voltage: AC 90-240V/50Hz, 60Hz
- Protection Class: IP68
- Liquid temperature: 0°C ~ +40°C
- The connection of all solar panels: Series Connection
- Current range: 1.5-14A
- Speed range: 500-4500rpm
- Insulation Class: F
- PH value: 5~9
- Maximum sand content: 50g/m³ (4CW series)
- Maximum input voltage of the solar panel: No more than 450Voc

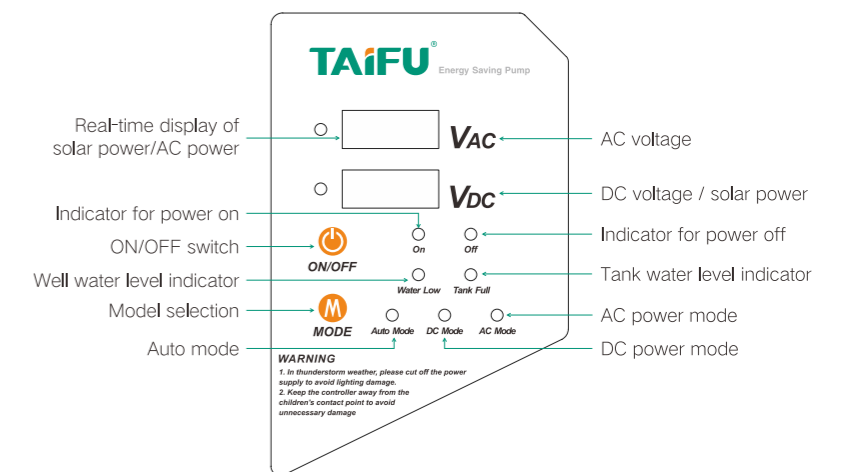
* This product is suitable for liquids that are not viscous, clean, non-corrosive, non-explosive and do not contain solids or large long fibrous particles of sand.

Advantages & Features

- Easy installation
- No-load protection
- Reverse protection
- Over load / under load protection
- Over temperature protection
- Over-current protection
- Over-voltage protection
- Phase lack protection
- Locked rotor protection
- Permanent magnet brushless double shield motor with FOC Function
- Soft start operation function extends the life of the system
- AC/DC wide voltage: 60-380V DC or 90-240V AC, 50/60Hz
- MPPT function for DC part can achieve efficiency more than 99%
- PFC (Power Factor Correction) function for AC part can make power factor over 0.99

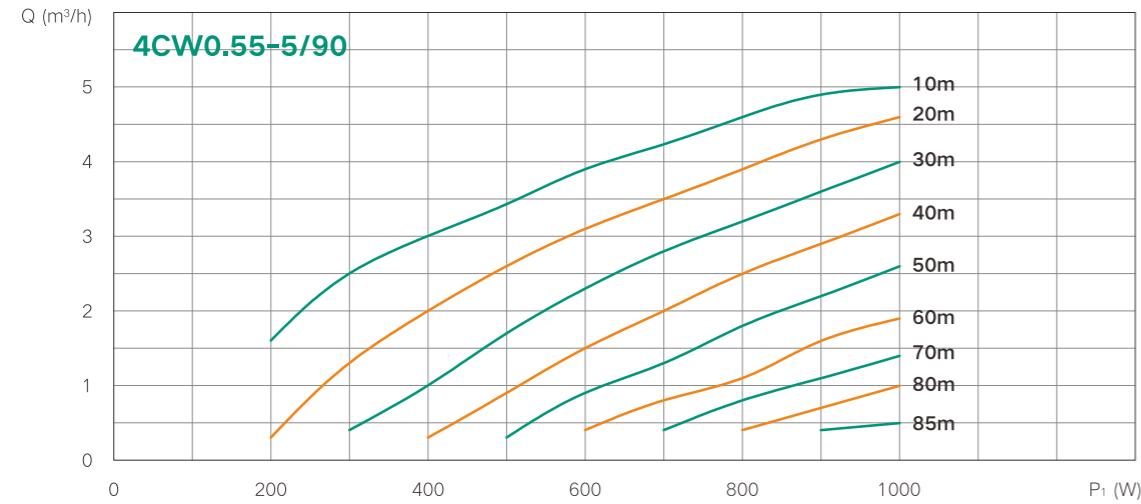
AC/DC Switch (optional) Introduction

AC/DC Switch (optional)



- The pump has an external switch where AC power, DC power and pump can be connected to the designated terminal and make automatic conversion of AC/DC or manual switch.
 Main functions of the switch:
 a. AC/DC switch over
 b. Connect water level sensor to sense the water level control the pump automatically.

Performance Curve



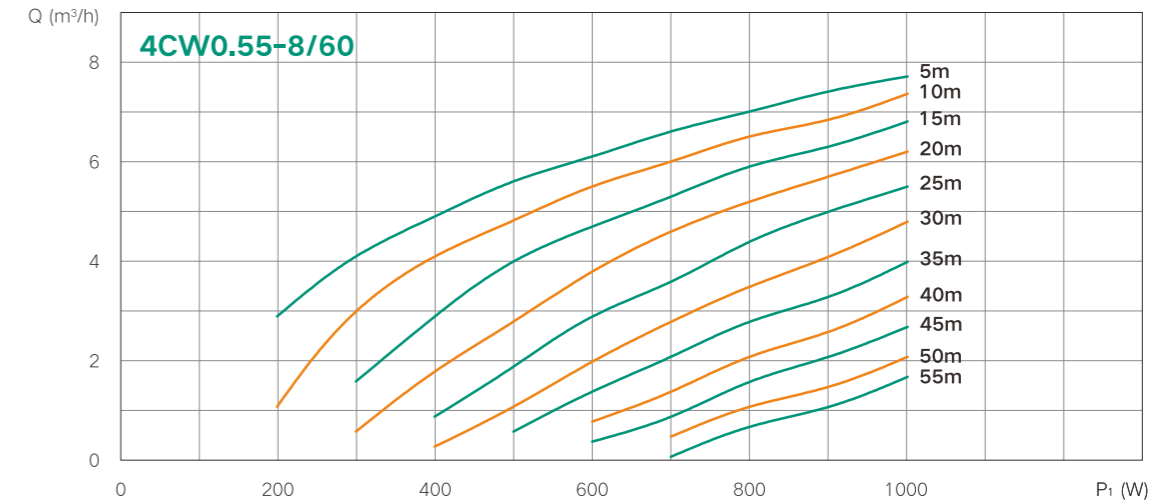
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW0.55-5/90	DC: 60-380V AC: 90-240V/50Hz,60Hz		0.55	0.75	5	90	1.25"	4"

Performance Chart

H(m)	P1(w)	1000	900	800	700	600	500	400	300	200
90	Q(m³/h)	0.1	-	-	-	-	-	-	-	-
85		0.5	0.4	-	-	-	-	-	-	-
80		1.0	0.7	0.4	-	-	-	-	-	-
70		1.4	1.1	0.8	0.4	-	-	-	-	-
60		1.9	1.6	1.1	0.8	0.4	-	-	-	-
50		2.6	2.2	1.8	1.3	0.9	0.3	-	-	-
40		3.3	2.9	2.5	2.0	1.5	0.9	0.3	-	-
30		4.0	3.6	3.2	2.8	2.3	1.7	1.0	0.4	-
20		4.6	4.3	3.9	3.5	3.1	2.6	2.0	1.3	0.3
10		5.0	4.9	4.6	4.2	3.9	3.4	3.0	2.5	1.6

Performance Curve



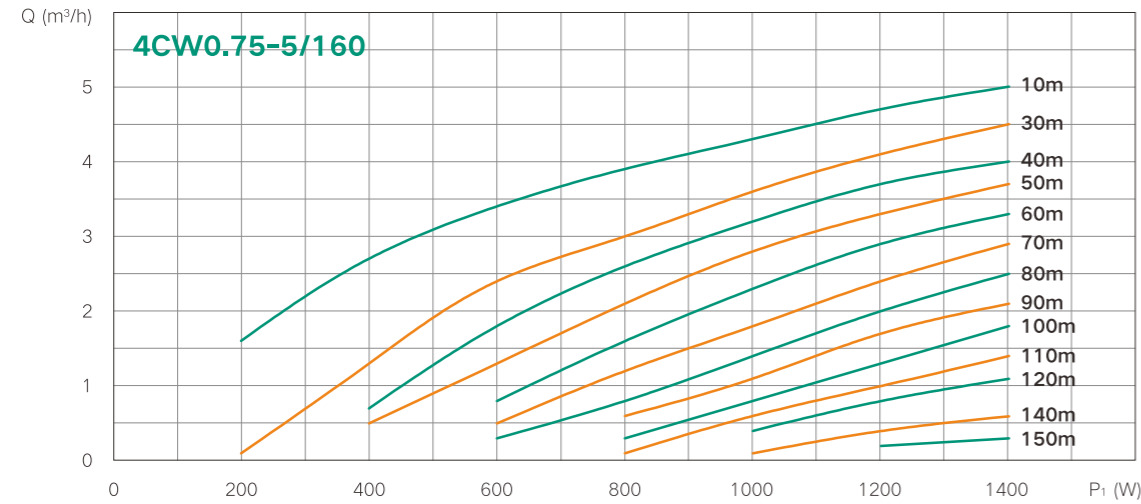
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW0.55-8/60	DC: 60-380V AC: 90-240V/50Hz,60Hz		0.55	0.75	8	60	1.5"	4"

Performance Chart

H(m)	P1(w)	1000	900	800	700	600	500	400	300	200
60	Q(m³/h)	0.6	-	-	-	-	-	-	-	-
55		1.7	1.1	0.7	0.1	-	-	-	-	-
50		2.1	1.5	1.1	0.5	-	-	-	-	-
45		2.7	2.1	1.6	0.9	0.4	-	-	-	-
40		3.3	2.6	2.1	1.4	0.8	-	-	-	-
35		4.0	3.3	2.8	2.1	1.4	0.6	-	-	-
30		4.8	4.1	3.5	2.8	2.0	1.1	0.3	-	-
25		5.5	5.0	4.4	3.6	2.9	1.9	0.9	-	-
20		6.2	5.7	5.2	4.6	3.8	2.8	1.8	0.6	-
15		6.8	6.3	5.9	5.3	4.7	4.0	2.9	1.6	-
10		7.4	6.8	6.5	6.0	5.5	4.8	4.1	3.0	1.1
5		7.7	7.4	7.0	6.6	6.1	5.6	4.9	4.1	2.9

Performance Curve



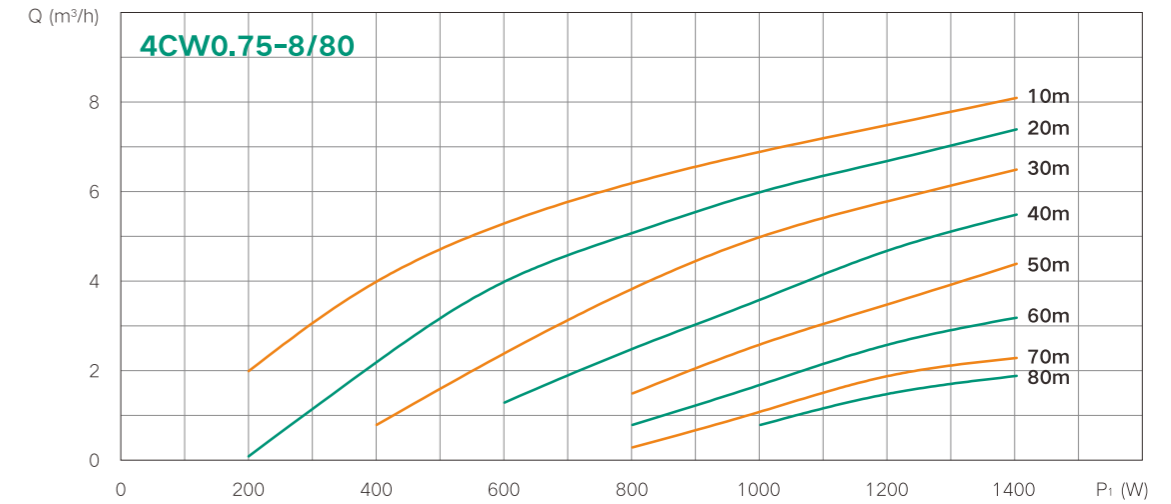
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW0.75-5/160	DC: 60~380V AC: 90~240V/50Hz,60Hz		0.75	1	4.8	158	1.25"	4"

Performance Chart

H(m)	P1(w)	1400	1200	1000	800	600	400	200
160	Q(m³/h)	-	-	-	-	-	-	-
150		0.3	0.2	-	-	-	-	-
140		0.6	0.4	0.1	-	-	-	-
130		0.8	0.6	0.2	-	-	-	-
120		1.1	0.8	0.4	-	-	-	-
110		1.4	1.0	0.6	0.1	-	-	-
100		1.8	1.3	0.8	0.3	-	-	-
90		2.1	1.7	1.1	0.6	-	-	-
80		2.5	2.0	1.4	0.8	0.3	-	-
70		2.9	2.4	1.8	1.2	0.5	-	-
60		3.3	2.9	2.3	1.6	0.8	-	-
50		3.7	3.3	2.8	2.1	1.3	0.3	-
40		4.0	3.7	3.2	2.6	1.8	0.7	-
30		4.5	4.1	3.6	3.0	2.4	1.3	0.1
20		4.7	4.4	4.0	3.5	2.9	2.0	0.7
10		5.0	4.7	4.3	3.9	3.4	2.7	1.6

Performance Curve



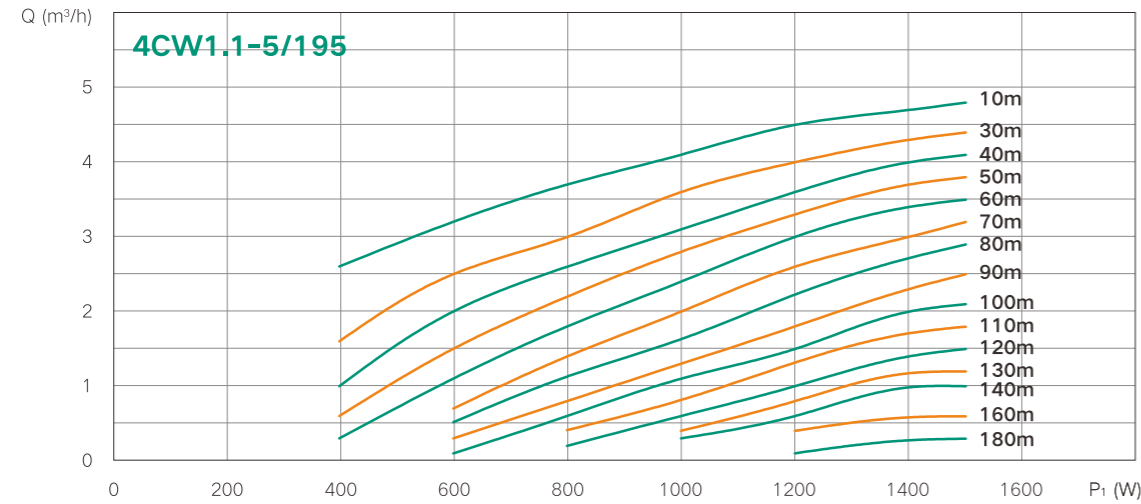
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW0.75-8/80	DC: 60~380V AC: 90~240V/50Hz,60Hz		0.75	1	8	80	1.5"	4"

Performance Chart

H(m)	P1(w)	1400	1200	1000	800	600	400	200
80	Q(m³/h)	0.4	-	-	-	-	-	-
75		1.6	1.5	0.8	-	-	-	-
70		2.3	1.9	1.1	0.3	-	-	-
60		3.2	2.6	1.7	0.8	-	-	-
50		4.4	3.5	2.6	1.5	-	-	-
40		5.5	4.7	3.6	2.5	1.3	-	-
30		6.5	5.8	5.0	3.8	2.4	0.8	-
20		7.4	6.7	6.0	5.1	4.0	2.2	0.1
10		8.1	7.5	6.9	6.2	5.3	4.0	2.0

Performance Curve



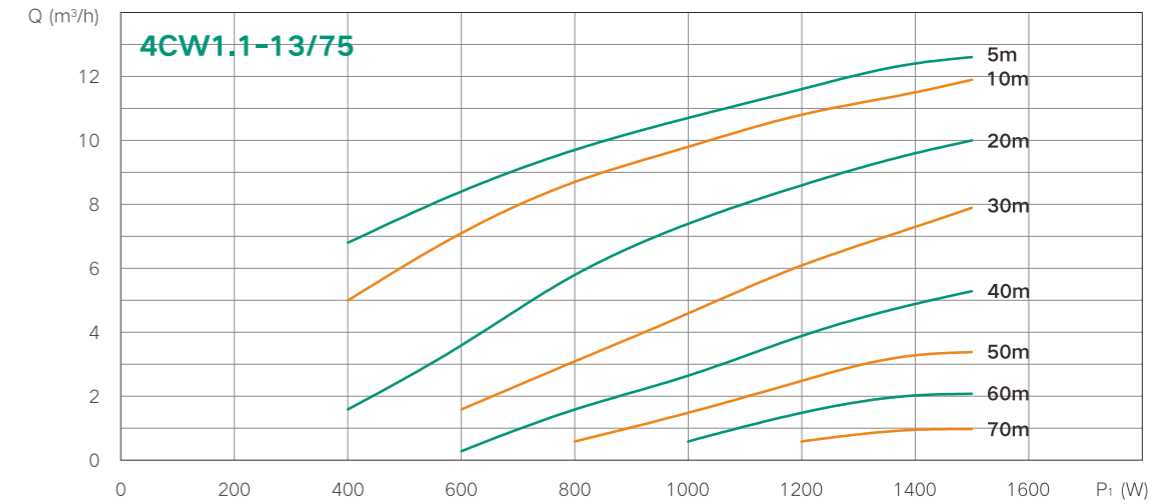
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW1.1-5/195	DC: 60-380V AC: 90-240V/50Hz,60Hz	1.1	1.5	4.8	193	1.25"	4"

Performance Chart

H(m)	P1(w)	1500	1400	1200	1000	800	600	400
193		-	-	-	-	-	-	-
190		0.1	0.1	-	-	-	-	-
180		0.3	0.3	0.1	-	-	-	-
160		0.6	0.6	0.4	-	-	-	-
140		1.0	1.0	0.6	0.3	-	-	-
130		1.2	1.2	0.8	0.4	-	-	-
120		1.5	1.4	1.0	0.6	0.2	-	-
110		1.8	1.7	1.3	0.8	0.4	-	-
100	Q(m³/h)	2.1	2.0	1.5	1.1	0.6	0.1	-
90		2.5	2.3	1.8	1.3	0.8	0.3	-
80		2.9	2.7	2.2	1.6	1.1	0.5	-
70		3.2	3.0	2.6	2.0	1.4	0.7	-
60		3.5	3.4	3.0	2.4	1.8	1.1	0.3
50		3.8	3.7	3.3	2.8	2.2	1.5	0.6
40		4.1	4.0	3.6	3.1	2.6	2.0	1.0
30		4.4	4.3	4.0	3.6	3.0	2.5	1.5
10		4.8	4.7	4.5	4.1	3.7	3.2	2.6

Performance Curve



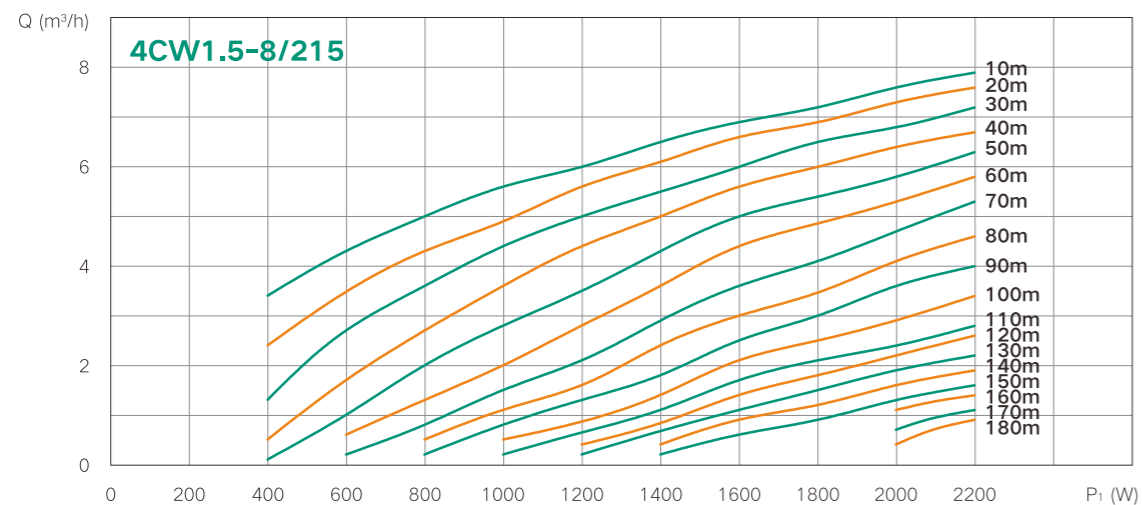
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW1.1-13/75	DC: 60-380V AC: 90-240V/50Hz,60Hz	1.1	1.5	12.8	75	2"	4"

Performance Chart

H(m)	P1(w)	1500	1400	1200	1000	800	600	400
75		-	-	-	-	-	-	-
70		1.0	1.0	0.6	-	-	-	-
60		2.1	2.1	1.5	0.6	-	-	-
50		3.4	3.3	2.5	1.5	0.6	-	-
40	Q(m³/h)	5.3	4.9	3.9	2.7	1.6	0.3	-
30		7.9	7.3	6.1	4.6	3.1	1.6	-
20		10.0	9.6	8.6	7.4	5.8	3.6	1.6
10		11.9	11.5	10.8	9.8	8.7	7.1	5.0
5		12.6	12.4	11.6	10.7	9.7	8.4	6.8

Performance Curve



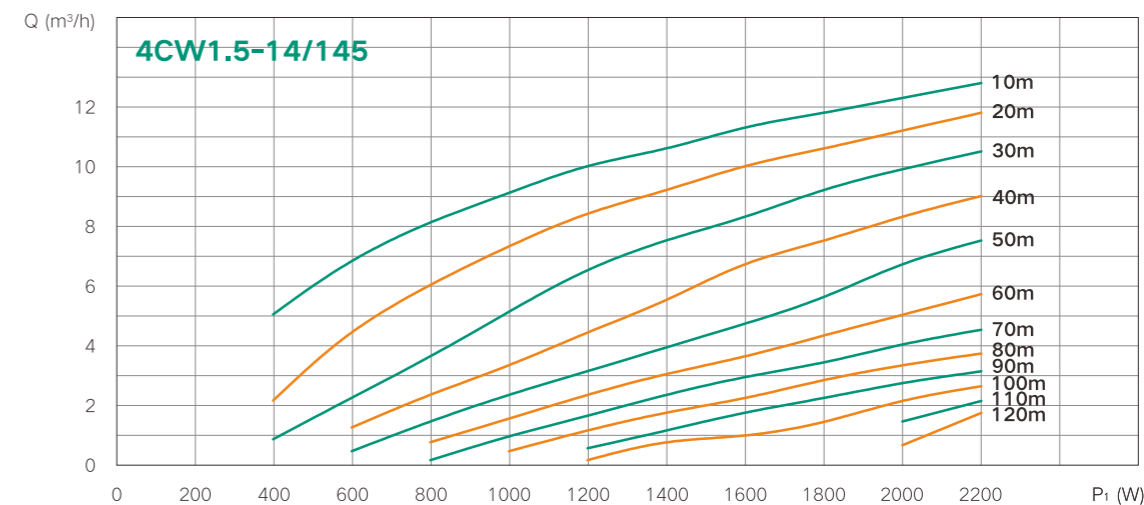
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW1.5-8/215	DC: 60~380V AC: 90~240V/50Hz,60Hz		1.5	2.0	8	213	1.5"	4"

Performance Chart

H(m)	P1(w)	2200	2000	1800	1600	1400	1200	1000	800	600	400
213		-	-	-	-	-	-	-	-	-	-
210		0.3	-	-	-	-	-	-	-	-	-
200		0.5	-	-	-	-	-	-	-	-	-
190		0.7	-	-	-	-	-	-	-	-	-
180		0.9	0.4	-	-	-	-	-	-	-	-
170		1.1	0.7	-	-	-	-	-	-	-	-
160		1.4	1.1	-	-	-	-	-	-	-	-
150		1.6	1.3	0.9	0.6	0.2	-	-	-	-	-
140		1.9	1.6	1.2	0.9	0.4	-	-	-	-	-
130		2.2	1.9	1.5	1.1	0.7	0.2	-	-	-	-
120	Q(m³/h)	2.6	2.2	1.8	1.4	0.8	0.4	-	-	-	-
110		2.8	2.1	2.1	1.7	1.1	0.7	0.2	-	-	-
100		3.4	2.9	2.5	2.1	1.4	0.8	0.5	-	-	-
90		4.0	3.6	3.0	2.5	1.8	1.3	0.8	0.2	-	-
80		4.6	4.1	3.4	3.0	2.4	1.6	1.1	0.5	-	-
70		5.3	4.7	4.1	3.5	2.9	2.1	1.5	0.8	0.2	-
60		5.8	5.3	4.8	4.4	3.6	2.8	2.0	1.3	0.6	-
50		6.3	5.8	5.4	5.0	4.3	3.5	2.8	2.0	1.0	0.1
40		6.7	6.4	6.0	5.6	5.0	4.4	3.6	2.7	1.7	0.5
30		7.2	6.8	6.5	6.0	5.5	5.0	4.4	3.6	2.7	1.3
20		7.6	7.3	6.9	6.6	6.1	5.6	4.9	4.3	3.6	2.4
10		7.9	7.6	7.2	6.9	6.5	6.0	5.6	5.0	4.3	3.4

Performance Curve



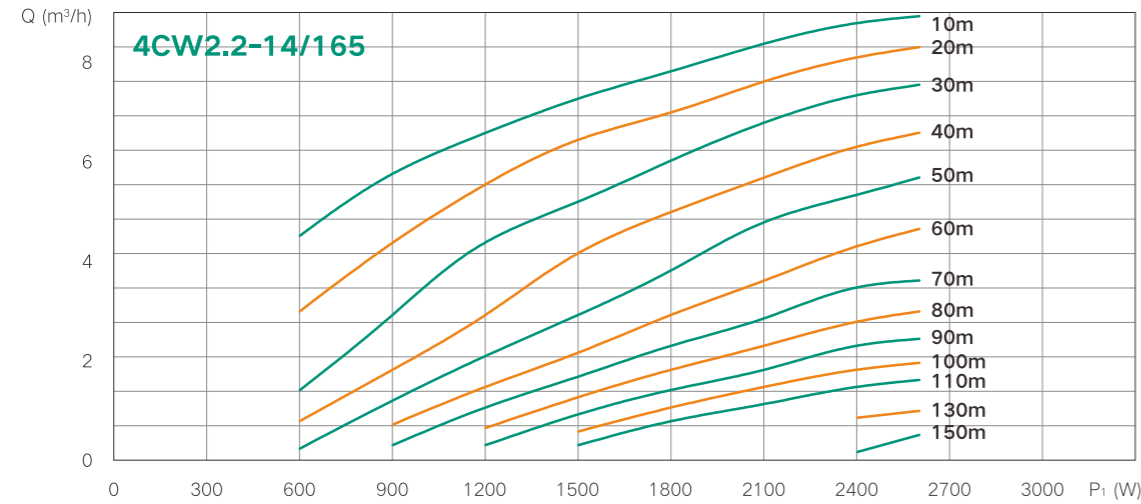
Technical Data

Model	Voltage		Power		Max flow rate	Max.head	Outlet size	Diameter
	V		kW	HP	m³/h	m	In	In
4CW1.5-14/145	DC: 60~380V AC: 90~240V/50Hz,60Hz		1.5	2.0	13.5	143	2"	4"

Performance Chart

H(m)	P1(w)	2200	2000	1800	1600	1400	1200	1000	800	600	400
143		-	-	-	-	-	-	-	-	-	-
140		0.5	-	-	-	-	-	-	-	-	-
130		1.1	-	-	-	-	-	-	-	-	-
120		1.7	0.6	-	-	-	-	-	-	-	-
110		2.1	1.4	-	-	-	-	-	-	-	-
100		2.6	2.1	1.3	0.9	0.7	0.1	-	-	-	-
90		3.1	2.7	2.2	1.7	1.1	0.5	-	-	-	-
80	Q(m³/h)	3.7	3.3	2.8	2.2	1.7	1.1	0.4	-	-	-
70		4.5	4.0	3.4	2.9	2.3	1.6	0.9	0.1	-	-
60		5.7	5.0	4.3	3.6	3.0	2.3	1.5	0.7	-	-
50		7.5	6.7	5.6	4.7	3.9	3.1	2.3	1.4	0.4	-
40		9.0	8.3	7.5	6.7	5.5	4.4	3.3	2.3	1.2	-
30		10.5	9.9	9.2	8.3	7.5	6.5	5.1	3.6	2.2	0.8
20		11.8	11.2	10.6	10.0	9.2	8.4	7.3	6.0	4.4	2.1
10		12.8	12.3	11.8	11.3	10.6	10.0	9.1	8.0	6.8	5.0

Performance Curve



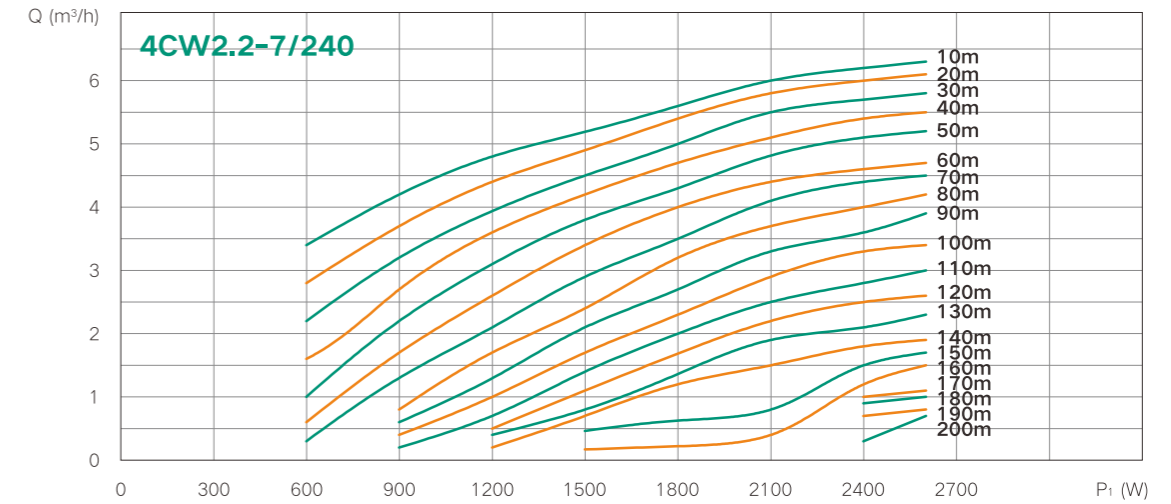
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW2.2-14/165	DC: 60~380V AC: 90~240V/50Hz,60Hz	2.2	3.0	13.5	165	2"	4"

Performance Chart

H(m)	P1(w)	2600	2400	2100	1800	1500	1200	900	600
165		-	-	-	-	-	-	-	-
160		0.3	-	-	-	-	-	-	-
150		0.7	0.2	-	-	-	-	-	-
140		1.0	0.8	-	-	-	-	-	-
130		1.4	1.2	-	-	-	-	-	-
120		1.8	1.6	-	-	-	-	-	-
110		2.3	2.1	1.6	1.1	0.4	-	-	-
100		2.8	2.6	2.1	1.5	0.8	-	-	-
90	Q(m³/h)	3.5	3.3	2.6	2.0	1.3	0.4	-	-
80		4.3	4.0	3.3	2.6	1.8	0.9	-	-
70		5.2	5.0	4.1	3.3	2.4	1.5	0.4	-
60		6.7	6.2	5.2	4.2	3.1	2.1	1.0	-
50		8.2	7.7	6.9	5.5	4.2	3.0	1.7	0.3
40		9.5	9.1	8.2	7.2	6.0	4.2	2.6	1.1
30		10.9	10.6	9.8	8.7	7.5	6.3	4.2	2.0
20		12.0	11.7	11.0	10.1	9.3	8.0	6.3	4.3
10		12.9	12.7	12.1	11.3	10.5	9.5	8.3	6.5

Performance Curve



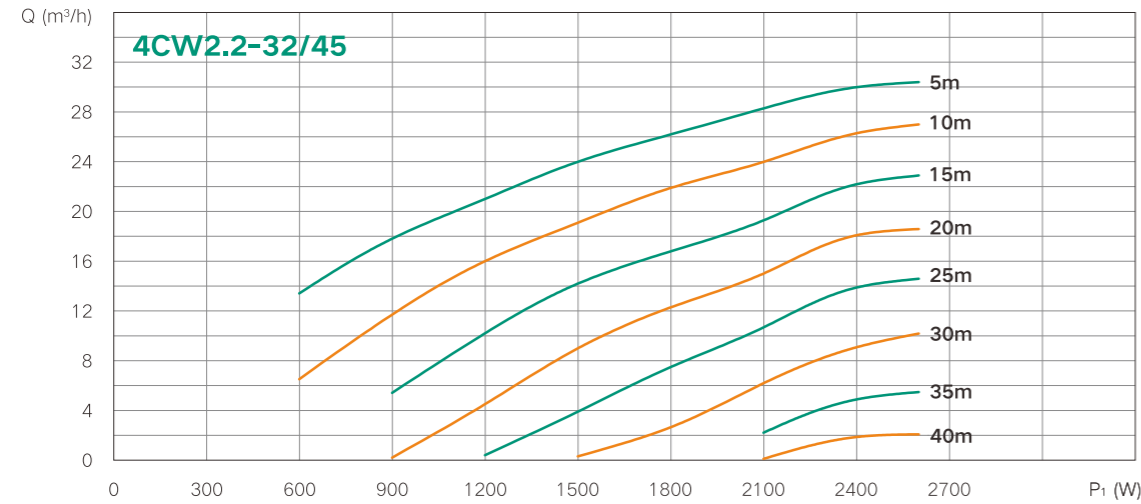
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW2.2-7/240	DC: 60~380V AC: 90~240V/50Hz,60Hz	2.2	3.0	6.5	240	2"	4"

Performance Chart

H(m)	P1(w)	2600	2400	2100	1800	1500	1200	900	600
240		-	-	-	-	-	-	-	-
230		0.2	-	-	-	-	-	-	-
220		0.3	-	-	-	-	-	-	-
210		0.4	-	-	-	-	-	-	-
200		0.7	0.3	-	-	-	-	-	-
190		0.8	0.7	-	-	-	-	-	-
180		1.0	0.9	-	-	-	-	-	-
170		1.1	1.0	-	-	-	-	-	-
160		1.5	1.2	0.4	0.2	0.2	-	-	-
150		1.7	1.5	0.8	0.7	0.5	-	-	-
140		1.9	1.8	1.5	1.2	0.7	0.2	-	-
130		2.3	2.1	1.9	1.4	0.8	0.4	-	-
120	Q(m³/h)	2.6	2.5	2.2	1.7	1.1	0.5	-	-
110		3.0	2.8	2.5	2.0	1.4	0.7	0.1	-
100		3.4	3.3	2.9	2.3	1.7	1.0	0.4	-
90		3.9	3.6	3.3	2.7	2.1	1.3	0.6	-
80		4.2	4.0	3.7	3.2	2.4	1.7	0.8	-
70		4.5	4.4	4.1	3.5	2.9	2.1	1.3	0.3
60		4.7	4.6	4.4	4.0	3.4	2.6	1.7	0.6
50		5.2	5.1	4.8	4.3	3.8	3.1	2.2	1.0
40		5.5	5.4	5.1	4.7	4.2	3.6	2.7	1.6
30		5.8	5.7	5.5	5.0	4.5	4.0	3.2	2.2
20		6.1	6.0	5.9	5.4	4.9	4.4	3.7	2.8
10		6.3	6.2	6.0	5.6	5.2	4.8	4.2	3.4

Performance Curve



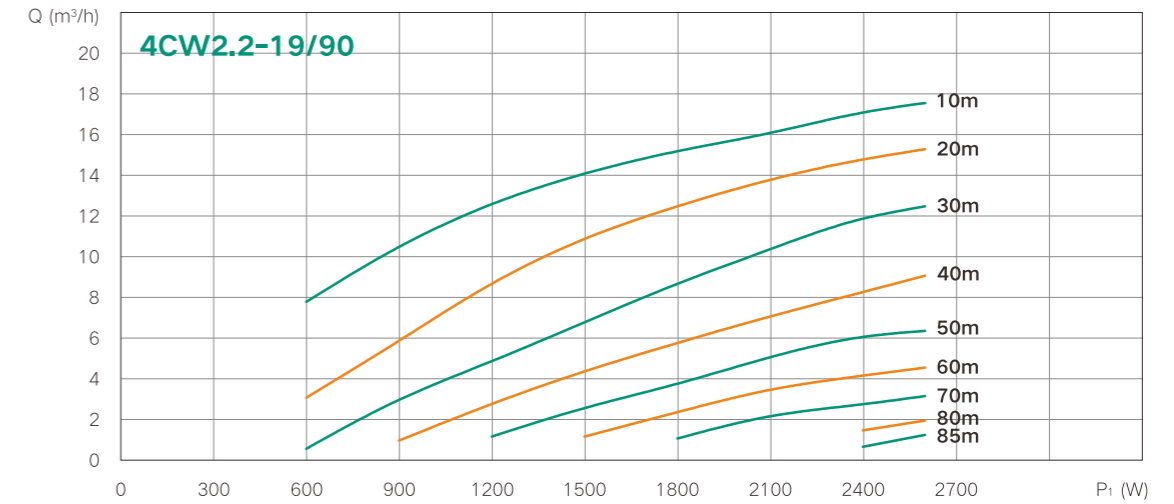
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW2.2-32/45	DC: 60~380V AC: 90~240V/50Hz,60Hz	2.2	3.0	32	45	2.5"	4"

Performance Chart

H(m)	P1(w)	2600	2400	2100	1800	1500	1200	900	600
45	Q(m³/h)	0.2	-	-	-	-	-	-	-
40		2.1	1.9	0.1	-	-	-	-	-
35		5.5	4.9	2.2	-	-	-	-	-
30		10.2	9.1	6.2	2.4	0.3	-	-	-
25		14.6	13.9	10.7	7.5	3.9	0.4	-	-
20		18.6	18.1	14.9	12.3	9.0	4.5	0.2	-
15		22.9	22.2	19.3	16.8	14.2	10.2	5.4	-
10		27.0	26.3	24.0	21.9	19.1	16.0	11.7	6.5
5		30.4	30.0	28.3	26.2	24.0	21.0	17.8	13.4

Performance Curve



Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4CW2.2-19/90	DC: 60~380V AC: 90~240V/50Hz,60Hz	2.2	3.0	18.5	90	2"	4"

Performance Chart

H(m)	P1(w)	2600	2400	2100	1800	1500	1200	900	600
90	Q(m³/h)	0.5	-	-	-	-	-	-	-
85		1.2	0.6	-	-	-	-	-	-
80		1.9	1.4	-	-	-	-	-	-
70		3.1	2.7	2.1	1.0	-	-	-	-
60		4.5	4.1	3.4	2.3	1.1	-	-	-
50		6.3	6.0	5.0	3.7	2.5	1.1	-	-
40		9.0	8.2	7.0	5.7	4.3	2.7	0.9	-
30		12.4	11.8	10.3	8.6	6.7	4.8	2.9	0.5
20		15.2	14.7	13.7	12.4	10.8	8.6	5.8	3.0
10		17.5	17.0	16.1	15.1	14.0	12.5	10.4	7.7

Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m ³ /h	m	In	In
4CW0.55-5/90	DC: 60~380V AC: 90~240V/50Hz,60Hz	0.55	0.75	5	90	1.25"	4"
4CW0.55-8/60		0.55	0.75	8	60	1.5"	4"
4CW0.75-8/80		0.75	1.0	8	80	1.5"	4"
4CW0.75-5/160		0.75	1.0	4.8	158	1.25"	4"
4CW1.1-5/195		1.1	1.5	4.8	193	1.25"	4"
4CW1.1-13/75		1.1	1.5	12.8	75	2"	4"
4CW1.5-8/215		1.5	2.0	8	213	1.5"	4"
4CW1.5-14/145		1.5	2.0	13.5	143	2"	4"
4CW2.2-14/165		2.2	3.0	13.5	165	2"	4"
4CW2.2-19/90		2.2	3.0	18.5	90	2"	4"
4CW2.2-7/240		2.2	3.0	6.5	240	1.25"	4"
4CW2.2-32/45		2.2	3.0	3.2	45	2.5"	4"

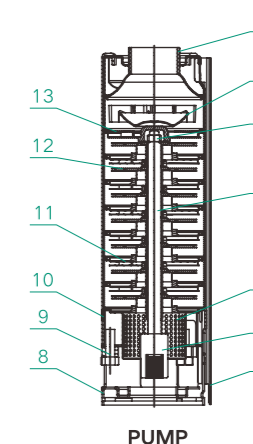
The selection of solar panels for solar pumps

Max.pump power	Solar panel	Recommend solar panel 60 cell (32Vmp 40Voc)										
		250W	255W	260W	265W	270W	280W	285W	290W	295W	300W	305W
550	1.3xpump power	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
750	1.3xpump power	2-5	2-5	2-5	2-5	2-5	2-5	2-4	2-4	2-4	2-4	2-4
1100	1.3xpump power	2-7	2-7	2-6	2-6	2-6	2-6	2-5	2-5	2-5	2-5	2-5
1500	1.3xpump power	2-8	2-8	2-8	2-8	2-8	2-7	2-7	2-7	2-7	2-7	2-7
2000	1.3xpump power	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10

Max.pump power	Solar panel	Recommend solar panel 72 cell (37Vmp 47Voc)										
		310W	315W	320W	325W	330W	350W	340W	345W	350W	355W	360W
550	1.3xpump power	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
750	1.3xpump power	2-4	2-4	2-4	2-4	2-3	2-3	2-3	2-3	2-3	2-3	2-3
1100	1.3xpump power	2-5	2-5	2-5	2-5	2-5	2-4	2-4	2-4	2-4	2-4	2-4
1500	1.3xpump power	2-7	2-7	2-7	2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-6
2000	1.3xpump power	2-9	2-9	2-9	2-9	2-9	2-9	2-9	2-9	2-9	2-9	2-9

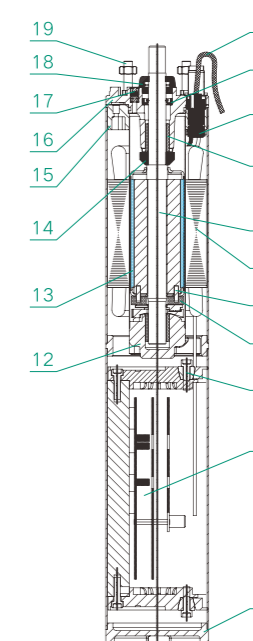
Pump Structure

NO.	Part	Material
1	Outlet	Stainless Steel
2	Valve	Stainless Steel
3	Nut	Stainless Steel
4	Shaft	Stainless Steel
5	Shielding	Stainless Steel
6	Bearing	Stainless Steel
7	Wire clamp	Stainless Steel
8	Joint	Stainless Steel
9	Bolt	Stainless Steel
10	Rod	Stainless Steel
11	Volute	Stainless Steel
12	Impeller	Stainless Steel
13	Bracket	Stainless Steel



PUMP

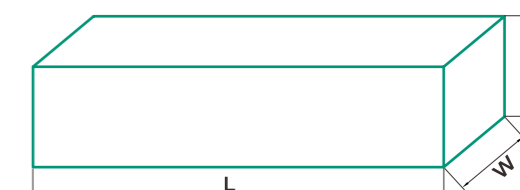
NO.	Part	Material
1	Cable	-
2	Mechanical seal	Nitrile-Butadiene Rubber
3	Inner plug	-
4	Graphite static ring	Impregnated Graphite
5	Rotor	Stainless Steel
6	Coil	-
7	Dowel pin	Stainless Steel
8	Bearing	-
9	Bolt	Stainless Steel
10	Controller	-
11	End cover	Stainless Steel
12	Lower bearing seat	Stainless Steel
13	Magnetic steel	-
14	Positioning set	Plastic
15	Flange	Stainless Steel
16	Upper bearing seat	Stainless Steel
17	Valve	-
18	Sand proof shield	Nitrile-Butadiene Rubber
19	Bolt	Stainless Steel



MOTOR

Package Dimensions

Model	L	W	H
	cm	cm	cm
4CW0.55-5/90	860	460	155
4CW0.55-8/60	860	460	155
4CW0.75-8/80	860	460	155
4CW0.75-5/160	860	460	155
4CW1.1-5/195	860	460	155
4CW1.1-13/75	860	460	155
4CW1.5-8/ 215	860	460	155
4CW1.5-14/145	860	460	155
4CW2.2-14/165	860	460	155



Model	L	W	H
	cm	cm	cm
4CW2.2-19/90	860	460	155
4CW2.2-7/ 240	860	460	155
4CW2.2-32/45	860	490	190

4SW

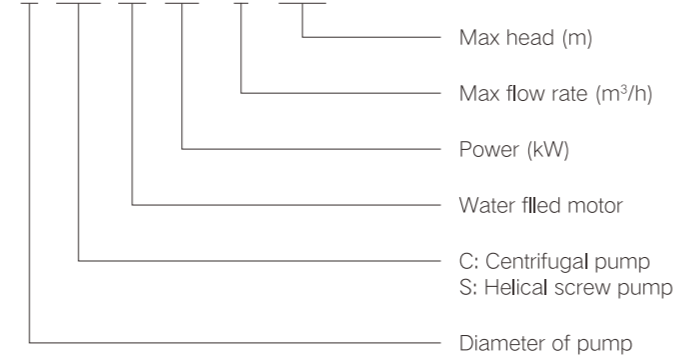
Water Filled Motor AC/DC Solar Pump



AC/DC Switch

Model Description

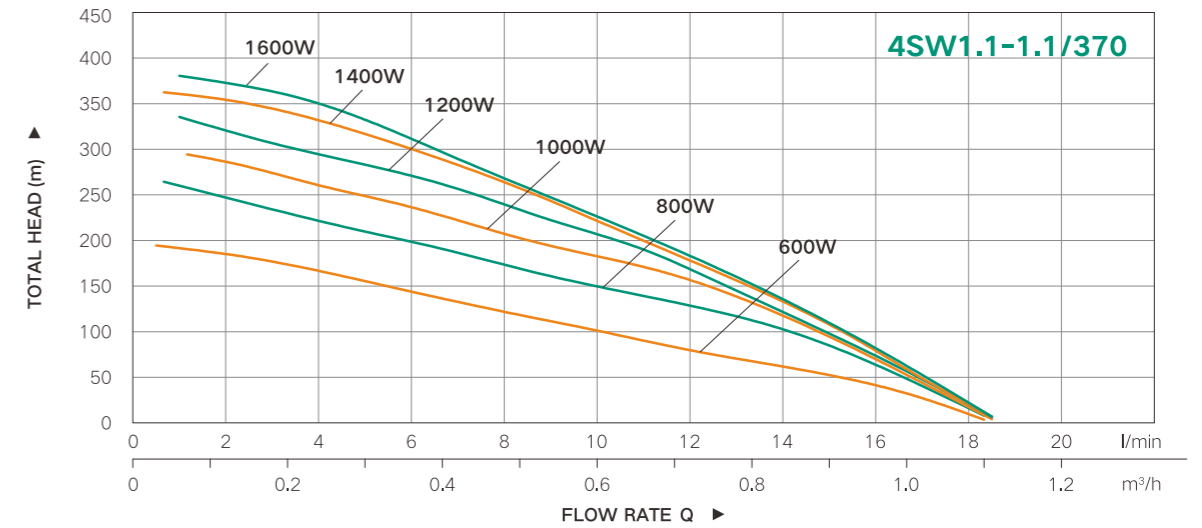
4 C/S W 1.1 - 5 / 128



Applications

- 304 stainless steel pump body
- Self-contained anti-corrosion zinc block strong corrosion resistance;
- Super-high head
- AC and DC dual-use, and can automatically switch input power supply (need to install with AC/DC switch)
- Wide voltage: DC60-380V AC90-240V/50Hz 60Hz
- Deep submerge depth: 500m
- Dry running protection
- Anti-swing function switable for 4"5"6"wells

Performance Curve



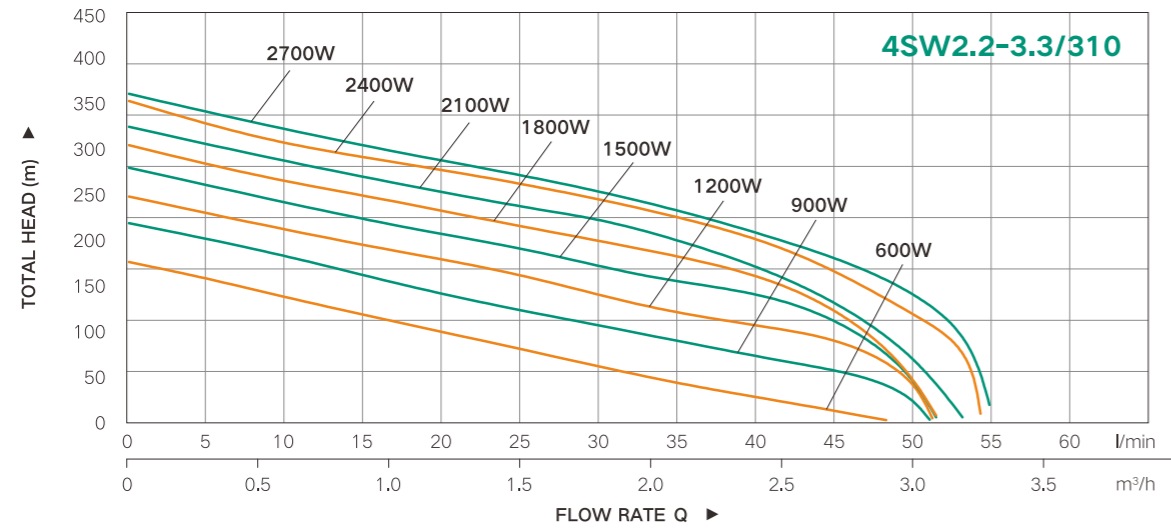
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4SW1.1-1.1/370	DC: 70~380V AC: 90~240V/50Hz,60Hz	1.1	1.5	1.1	370	1"	4"

Performance Chart

Q(m³/h)	P1 (w)	1600	1400	1200	1000	800	600
1.1	H(m)	12	11	10	8	7	3
0.9		109	105	95	92	80	50
0.7		190	180	173	160	130	80
0.5		260	253	230	200	165	115
0.3		325	313	280	245	205	150
0.1		370	353	323	290	251	185

Performance Curve



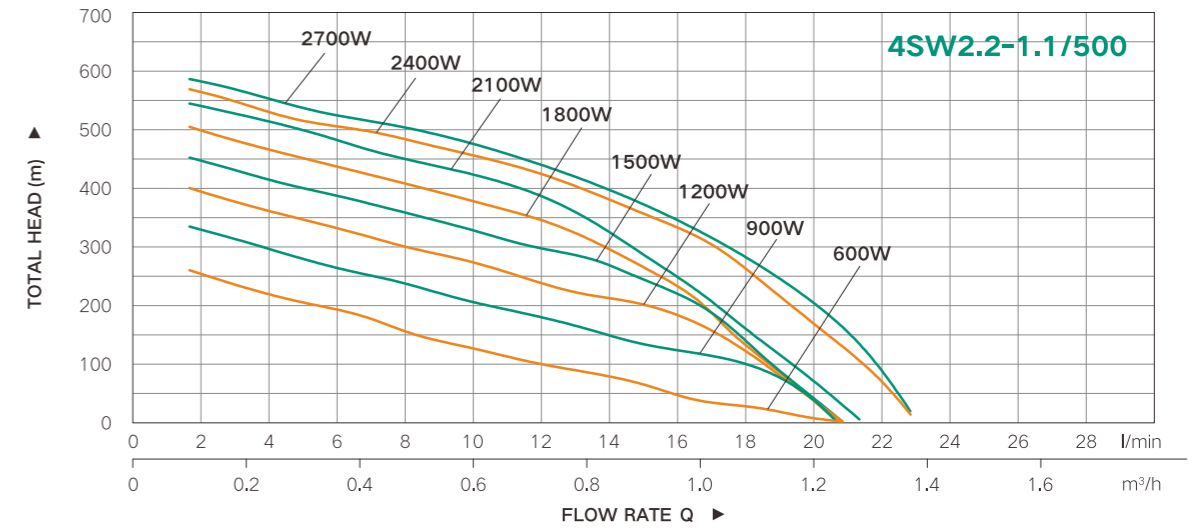
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4SW2.2-3.3/310	DC: 70~380V AC: 90~240V/50Hz,60Hz	2.2	3	3.3	310	1.25"	4"

Performance Chart

Q(m³/h)	P1(w)	2700	2400	2100	1800	1500	1200	900	600
3.1	H(m)	106	86	34	-	-	-	-	-
2.6		165	156	128	119	108	86	56	16
2.1		204	198	174	159	135	105	76	38
1.6		233	225	204	185	161	135	102	66
1.1		256	250	227	210	185	161	130	92
0.6		282	271	252	232	211	185	161	121
0.1		313	302	280	262	239	211	186	150

Performance Curve



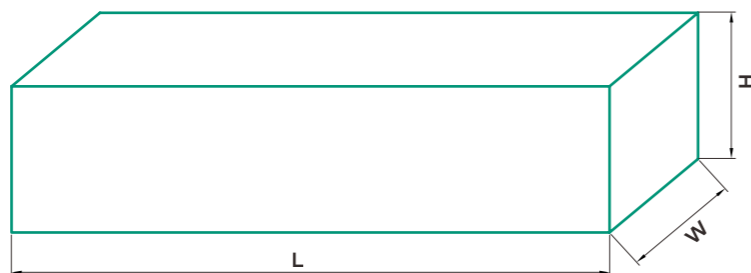
Technical Data

Model	Voltage	Power		Max flow rate	Max.head	Outlet size	Diameter
	V	kW	HP	m³/h	m	In	In
4SW2.2-1.1/500	DC: 70~380V AC: 90~240V/50Hz,60Hz	2.2	3	1.1	500	1"	4"

Performance Chart

Q(m³/h)	P1(w)	2700	2400	2100	1800	1500	1200	900	600
1.3	H(m)	107	85	-	-	-	-	-	-
1.1		265	241	140	120	113	103	91	25
0.9		370	351	285	260	240	198	130	65
0.7		445	430	390	350	300	240	182	103
0.5		500	475	445	400	350	292	228	150
0.3		535	515	500	450	400	345	275	205
0.1		583	565	540	500	450	395	331	260

Package Dimensions



Model	L	W	H
	mm	mm	mm
4SW1.1-1.1/370	860	460	155
4SW2.2-3.3/310	990	460	155
4SW2.2-1.1/500	930	460	155

SOLAR PUMP SYSTEM

Principle Of Operation

Solar panel collects sunlight ---> DC electricity energy
 ---> Solar controller (rectificationstabilization, amplification filtering) ---> Available DC Electricity ---> (Charge the batteries) ---> Pumping water

Advanced Technology

Application innovation

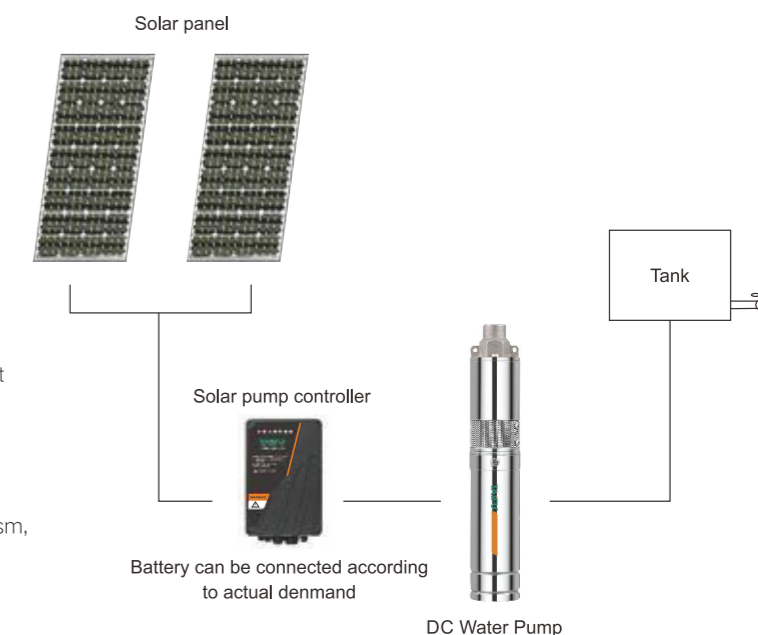
Compared with the traditional alternating current machine, the efficiency is improved 25% by the permanent magnetism, direct current brushlessnon-sensor motor.

Technics innovation

Compared with the traditional alternating current machine, the efficiency is improved 25% by the permanent magnetism, directcurrent brushless non-sensor motor.

Structure innovation

Oil filled. convenient installation and environmental protection.



Highlights

- Energy-saving and environment-protected green products
- High technique products adopting MPPT and DSP chip technique
- 100% copper wire, cold-rolled silicon steel sheet
- CE certificate
- Advanced three phase brushless DC motor
- Stainless steel 316 screws & nuts
- 3 years warranty

Advanced of Solar Pump System

- It is easier and more widely used than any other dynamoelectric driven pumps
- It is more economical and more environmental friendly

Model Selection

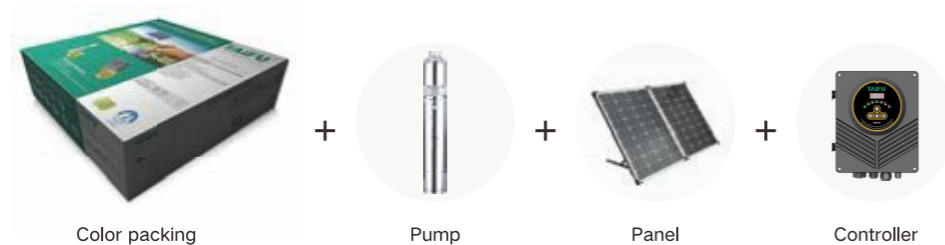
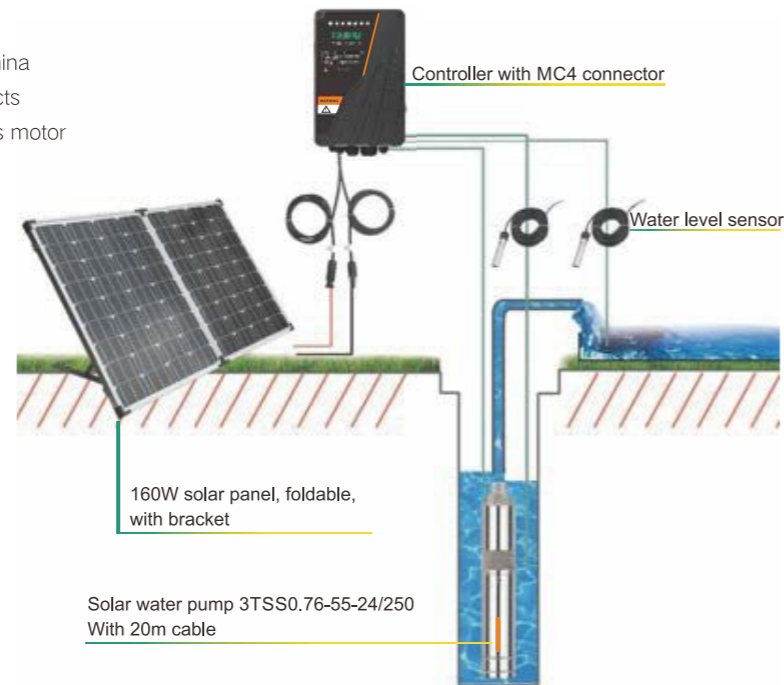
- The power of solar panel=power of pump x (1.3~1.6)
 The voltage of solar panel=the voltage of pump
 The controller should be matched
- Select the batteries according to the following formulas:
 The use hours of Battery=The battery capacity is 100AH the voltage is 12V, and the battery is fully charged then the use hour is:
 For example, the machine power is 200w the battery capacity is 100AH, the voltage is 12V, and the battery is fully charged then the use hour is: $100 \div (200 \div 12) \times 0.6 = 3.6$ hours
- The battery capacity=The use hour $\div 0.6 \times$ (The machine The battery voltage)
 For example, the machine power is 200w, the battery voltage is 12V, and the battery need to be used for 3.6 hours, then the battery capacity is:
 $3.6 \div 0.6 \times (200 \div 12) = 100$ AH

Model	Recommended solar panel			Solar pump controller(V)	Maintenance-free valve regulated battery	
	VOC(V)	VMP(V)	Power(W)		Capacity(AH) Voltage(V)/ Quantity(PC)	Connection mode
3TSS0.76-55-24/250	21.5	17.5	540x1	24	150AH/12V/2PCS	SERIES CONNECTION
3TSS1.25-80-36/370	21.5	17.5	350x2	36	150AH/12V/3PCS	
3TSS1.4-100-48/500	21.5	17.5	540x2	48	150AH/12V/4PCS	
4TSS2.5-70-48/500	21.5	17.5	540x2	48	150AH/12V/4PCS	

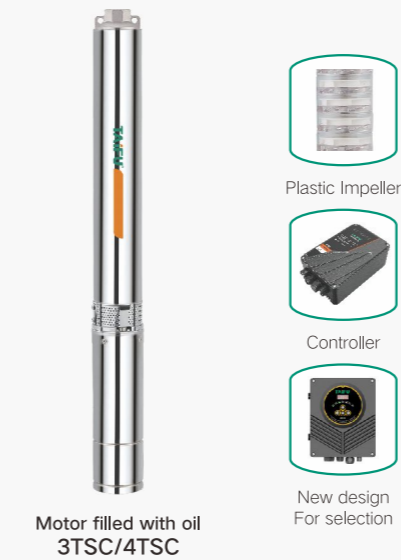
SOLAR PUMP SYSTEM

Highlights

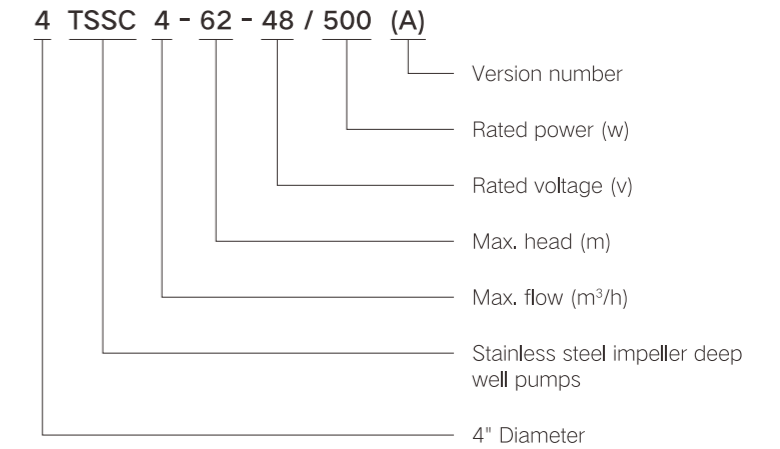
- First and biggest manufactory for DC solar pumps in China
- Energy-saving and environment protected green products
- Advanced 3 phase permanent magnetism DC brushless motor
- MPPT and DSP technology for the controller
- Cost saving product, no need of any electricity or petrol
- Portable and foldable
- Fast and easy to install the complete system
- by yourself
- Free maintenance and long working life
- Rechargeable batteries workable, work at night
- Patent products
- CE certificate
- 3 years warranty for solar pumps



DC SOLAR PUMP SERIES



Model Description



Product Features

- Outlet: Stainless steel 304
- Pump body: Stainless steel 304
- Motor body: Stainless steel 304
- Bearing: NSK (made in Japan)
- Screw & Nut: Stainless steel 316

Applications

This project products are mainly used in dry region for agriculture irrigation, It can be used for drinking water and living water. The living condition could be much more improved. It also can be used for fountains.

Working Conditions

- Environmental requirements: Solar systems operate at ambient temperatures up to 50°C.
- TSS (screw pumps), TSC (plastic impeller pumps), TSSC (stainless steel impeller pumps) can be used for potable water supply, livestock watering and irrigation applications that do not contain solids larger than sand or long fibre particles with a maximum particle size of 1.5 mm and a maximum permissible sand content of 100 ppm.
- Maximum liquid temperature is 50°C. (for the screw pump TSS better not exceed 40 degrees)
- pH value of 6.5-8.5.

Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter	Solar Panel
	V	W	m³/h	m	In	In	
3TSS0.76-55-24/250(A) System	24	250	0.76	55	3/4"	3"	2*180W
3TSS1.25-80-36/370(A) System	36	370	1.25	90	3/4"	3"	1*540W
3TSS1.4-100-48/500(A) System	48	500	1.4	110	3/4"	3"	2*350W
4TSS2.5-70-48/500(A) System	48	500	2.5	70	1"	4"	2*350W

Model	Voltage	Power	Max flow rate	Max.head	Outlet size	Diameter	Solar Panel
	V	W	m³/h	m	In	In	
3TSC1.9-23-36/370(A) System	36	370	1.9	23	1"	3"	1*540W
3TSC2-80-48/500(A) System	48	500	2	70	1"	3"	2*350W
3TSC3.5-50-48/500(A) System	48	500	3.5	50	1"	3"	2*350W
4TSC5.5-40-48/500(A) System	48	500	5.5	40	1.25"	3"	2*350W
4TSC4-57-48/500(A) System	48	500	4.0	57	1.25"	3"	2*350W
4TSC3.1-66-48/500(A) System	48	500	3.1	66	1.25"	3"	2*350W
4TSC2.5-70-48/500(A) System	48	500	2.5	63	1.25"	3"	2*350W

Model	Voltage	Power	Max flow rate	Max.head	Outlet size	Diameter	Solar Panel
	V	W	m³/h	m	In	In	
4TSSC3.5-24-36/370(A) System	36	370	3.5	24	1.25"	4"	1*540W
4TSSC4-62-48/500(A) System	48	500	4	62	1.25"	4"	2*350W
4TSSC7.5-34-48/500(A) System	48	500	7.5	34	1.25"	4"	2*350W

2/3/4TSS

Oil Filled Motor DC Solar Pump



S/S screw (for replacement)



Controller



Water level sensors



New design For selection



1.5m cable with MC4 connector

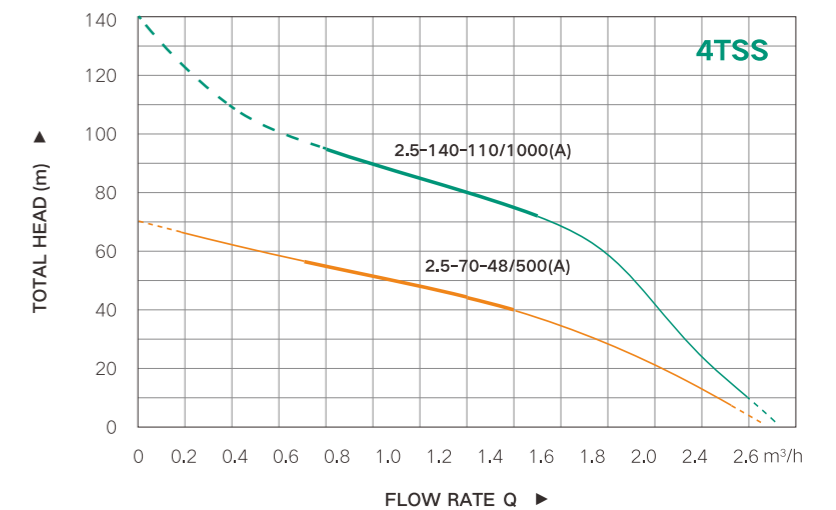
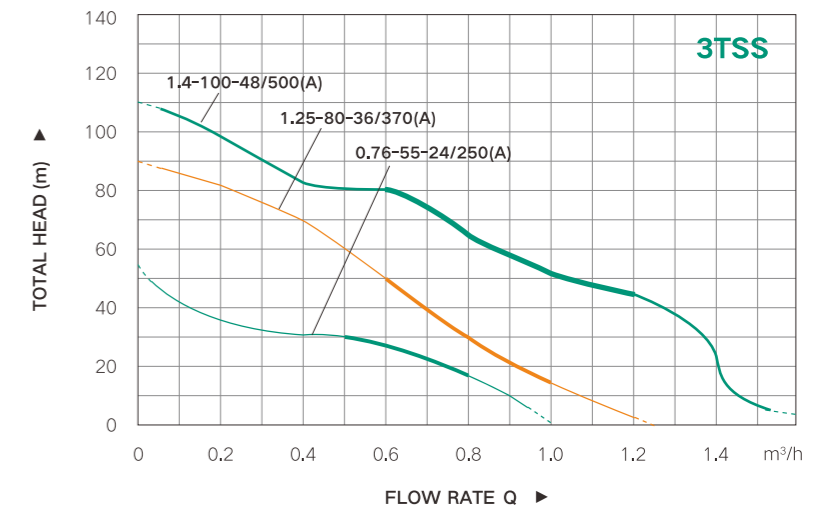
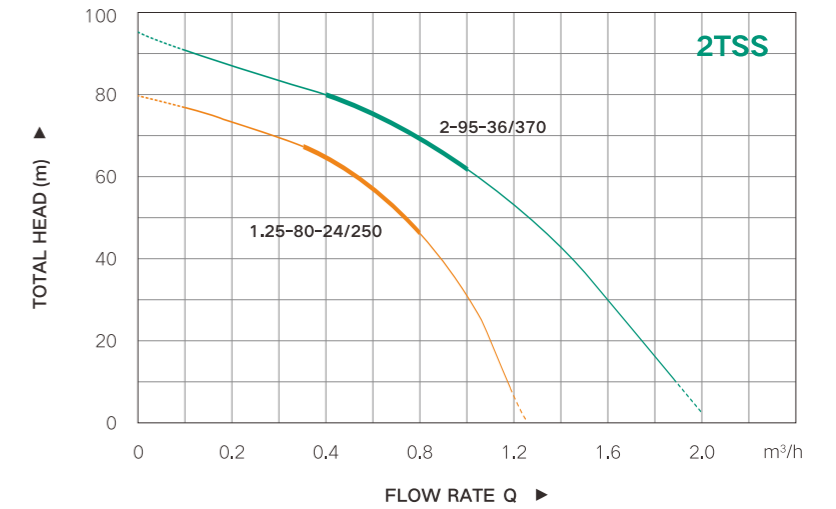


2TSS



3TSS/4TSS

Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
2TSS1.25-80-24/250	24	250	1.25	80	1/2"	2"
2TSS2-95-36/370	36	370	2	95	1/2"	2"
3TSS0.76-55-24/250(A)	24	250	0.9	55	3/4"	3"
3TSS1.25-80-36/370(A)	36	370	1.25	90	3/4"	3"
3TSS1.4-100-48/500(A)	48	500	1.6	110	3/4"	3"
4TSS2.5-70-48/500(A)	48	500	2.5	70	1"	4"
4TSS2.5-140-110/1000(A)	110	1000	2.5	125	1"	4"

Performance Chart

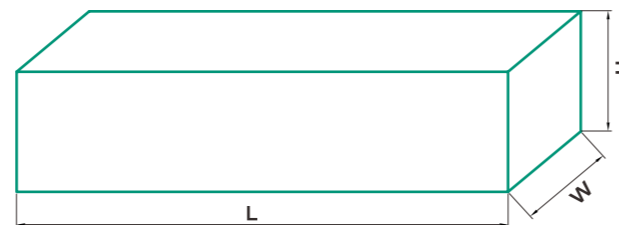
Model	Q(m³/h)	0	0.2	0.4	0.8	1.2	1.6	2.0
2TSS1.25-80-24/250	H(m)	80	73	67	47	6	-	-
2TSS2-95-36/370		95	88	80	68	55	30	4

Model	Q(m³/h)	0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6
3TSS0.76-55-24/250(A)	H(m)	55	52	36	26	4	-	-	-	-
3TSS1.25-80-36/370(A)		90	78	69	60	49	34	16	-	-
3TSS1.4-100-48/500(A)		110	96	81	80	66	52	43	22	4

Model	Q(m³/h)	0	0.4	0.8	1.2	1.6	2.0	2.4	2.6
4TSS2.5-70-48/500(A)	H(m)	70	62	55	48	40	28	12	4
4TSS2.5-140-110/1000(A)		140	108	95	85	75	58	24	8

Package Dimensions

Model	L	W	H
	mm	mm	mm
2TSS1.25-80-24/250	635	345	155
2TSS2-95-36/370	635	345	155
3TSS0.76-55-24/250(A)	585	345	155
3TSS1.25-80-36/370(A)	585	345	155
3TSS1.4-100-48/500(A)	585	345	155
4TSS2.5-70-48/500(A)	635	345	155
4TSS2.5-140-110/1000(A)	635	345	155



3/4TSC

Professional Solar Pump



Plastic Impeller



36V/48V/72V/110V Controller



150V/220V/300V Controller

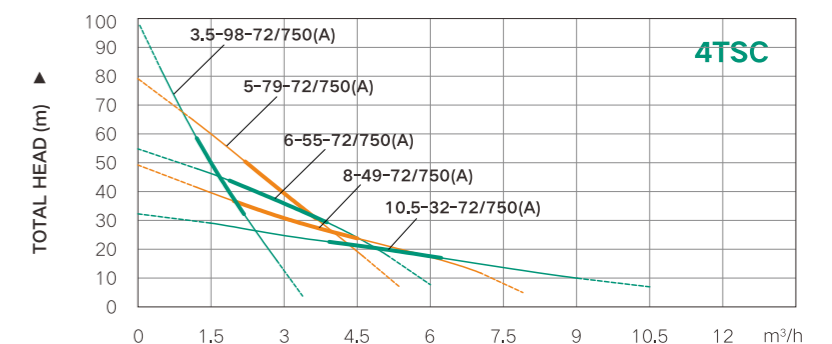
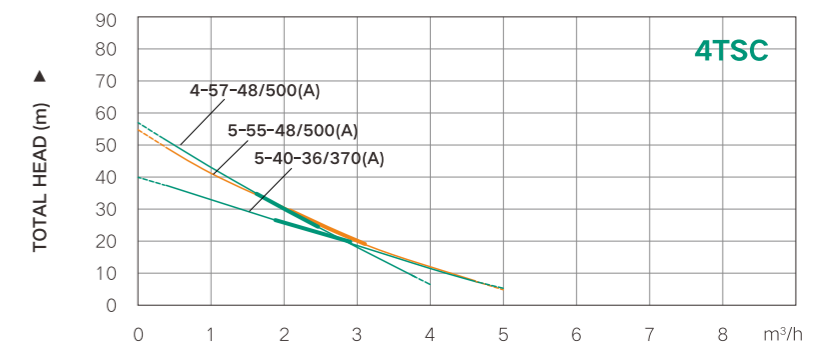
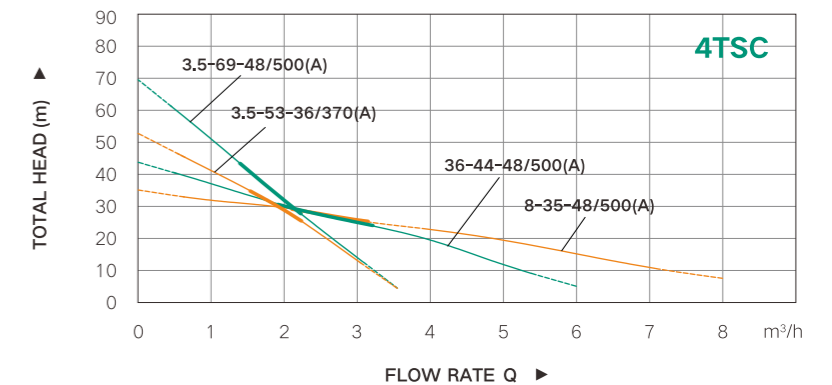
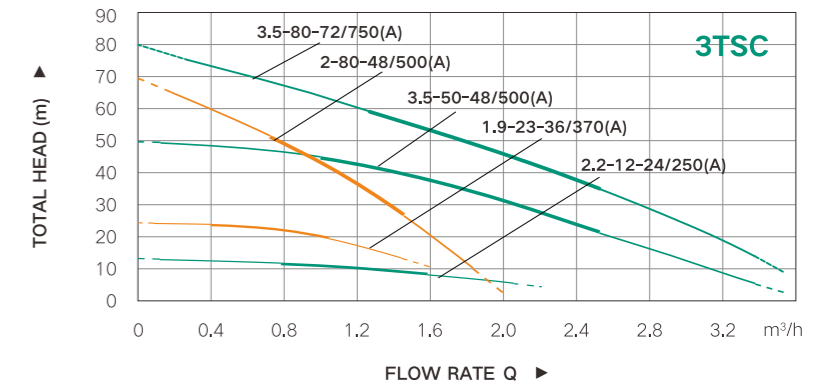


New design For selection



Motor filled with oil
3TSC/4TSC

Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
3TSC2.2-12-24/250(A)	24	250	2.2	12	1"	3"
3TSC1.9-23-36/370(A)	36	370	1.9	23	1"	3"
3TSC2-80-48/500(A)	48	500	2	80	1"	3"
3TSC3.5-50-48/500(A)	48	500	3.5	50	1"	3"
3TSC3.5-80-72/750(A)	72	750	3.5	80	1"	3"
4TSC3.5-53-36/370(A)	36	370	3.5	53	1.25"	4"
4TSC5-40-36/370(A)	36	370	5	40	1.25"	4"
4TSC3.5-69-48/500(A)	48	500	3.5	69	1.25"	4"
4TSC4-57-48/500(A)	48	500	4	57	1.25"	4"
4TSC5-55-48/500(A)	48	500	5	55	1.25"	4"
4TSC6-44-48/500(A)	48	500	6	44	1.25"	4"
4TSC8-35-48/500(A)	48	500	8	35	2"	4"
4TSC3.5-98-72/750(A)	72	750	3.5	98	1.25"	4"
4TSC5-79-72/750(A)	72	750	5	79	1.25"	4"
4TSC6-55-72/750(A)	72	750	6	55	1.25"	4"
4TSC8-49-72/750(A)	72	750	8	49	2"	4"
4TSC10.5-32-72/750(A)	72	750	10.5	32	2"	4"

Performance Chart

Model	Q(m³/h)	0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6
3TSC2.2-12-24/250(A)	H(m)	12	11	10	9	6	4	-	-	-	-
3TSC1.9-23-36/370(A)		23	22	21	17	10	-	-	-	-	-
3TSC2-80-48/500(A)		70	60	47	35	16	5	-	-	-	-
3TSC3.5-50-48/500(A)		50	48	46	42	37	30	22	15	7	-
3TSC3.5-80-72/750(A)		80	74	67	59	53	45	36	27	15	6

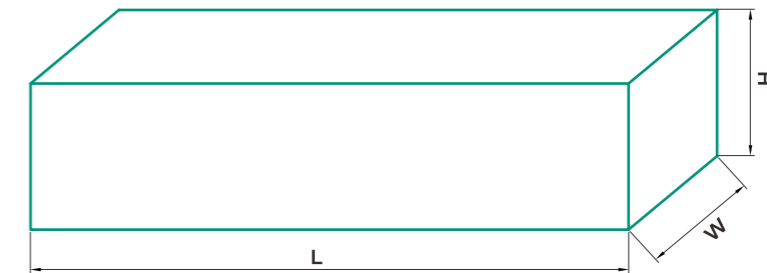
Model	Q(m³/h)	0	1	2	3	4	5	6	7	8	9
4TSC3.5-53-36/370(A)	H(m)	53	42	29	14	-	-	-	-	-	-
4TSC3.5-69-48/500(A)		69	51	33	15	-	-	-	-	-	-
4TSC6-44-48/500(A)		44	37	31	25	19	13	7	-	-	-
4TSC8-35-48/500(A)		35	32	29	26	22	19	15	11	8	-

Performance Chart

Model	Q(m³/h)	0	1	2	3	4	5	6	7	8	9
4TSC5-40-36/370(A)	H(m)	40	33	26	19	12	5	-	-	-	-
4TSC4-57-48/500(A)		57	41	31	20	5	-	-	-	-	-
4TSC5-55-48/500(A)		55	46	37	28	18	9	-	-	-	-

Model	Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
4TSC3.5-98-72/750(A)	H(m)	98	50	12	-	-	-	-	-	-	-
4TSC5-79-72/750(A)		79	60	39	19	-	-	-	-	-	-
4TSC6-55-72/750(A)		55	46	36	24	7	-	-	-	-	-
4TSC8-49-72/750(A)		49	39	31	24	18	8	-	-	-	-
4TSC10.5-32-72/750(A)		32	29	26	21	18	14	10	7	-	-

Package Dimensions



Model	L	W	H	Model	L	W	H
	mm	mm	mm		mm	mm	mm
3TSC2.2-12-24/250(A)	850	345	185	4TSC5-55-48/500(A)	850	345	185
3TSC1.9-23-36/370(A)	850	345	185	4TSC6-44-48/500(A)	850	345	185
3TSC2-80-48/500(A)	850	345	185	4TSC8-35-48/500(A)	850	345	185
3TSC3.5-50-48/500(A)	850	345	185	4TSC3.5-98-72/750(A)	850	345	185
3TSC3.5-80-72/750(A)	850	345	185	4TSC5-79-72/750(A)	850	345	185
4TSC3.5-53-36/370(A)	850	345	185	4TSC6-55-72/750(A)	850	345	185
4TSC5-40-36/370(A)	850	345	185	4TSC8-49-72/750(A)	850	345	185
4TSC3.5-69-48/500(A)	850	345	185	4TSC10.5-32-72/750(A)	850	345	185
4TSC4-57-48/500(A)	850	345	185				



4TSC

Professional Solar Pump



Plastic Impeller



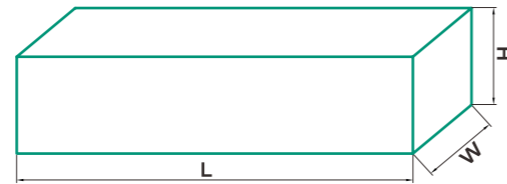
110V/150V/220V/300V
Controller



110V/150V/220V/300V
Controller



Package Dimensions

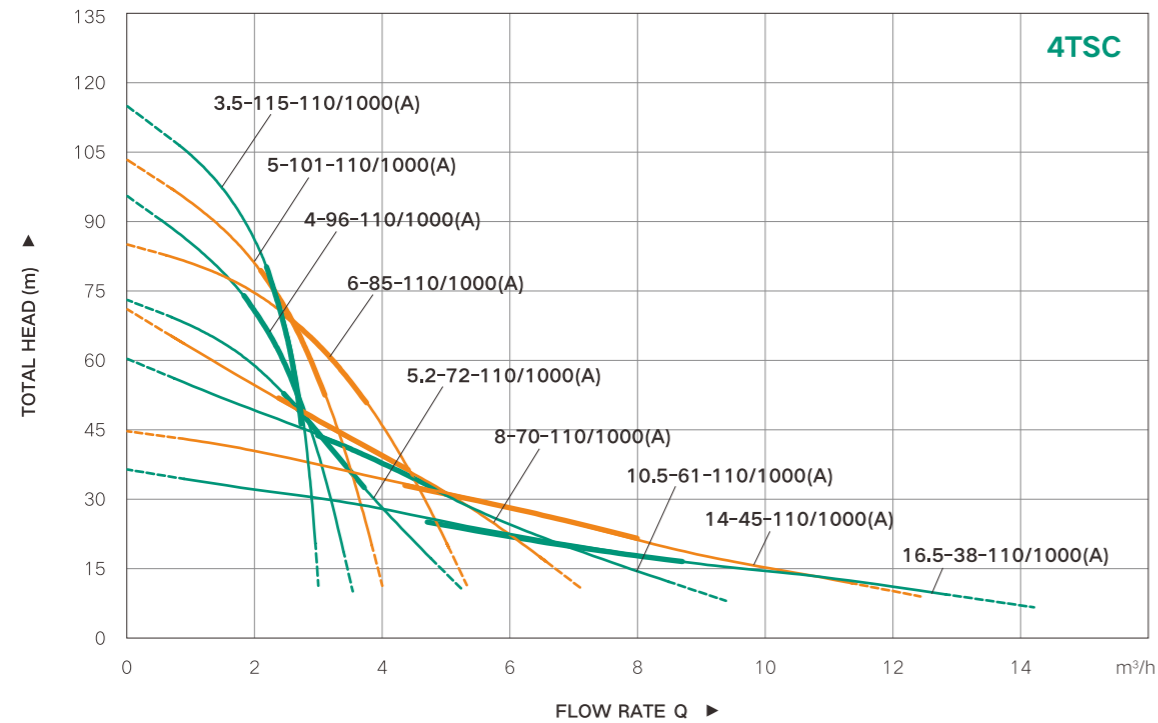


Model	L	W	H
	mm	mm	mm
4TSC3.5-115-110/1000(A)	850	345	185
4TSC4-96-110-1000(A)	850	345	185
4TSC5-101-110/1000(A)	850	345	185
4TSC5.2-72-110/1000(A)	850	345	185
4TSC6-85-110/1000(A)	850	345	185
4TSC8-70-110/1000(A)	850	345	185
4TSC10.5-61-110/1000(A)	850	345	185
4TSC14-45-110/1000(A)	850	345	185
4TSC16-33-110/1000(A)	850	345	185
4TSC3.5-160-150/1500(A)	1090	345	185
4TSC5-142-150/1500(A)	1150	345	185
4TSC6-102-150/1500(A)	1120	345	185
4TSC8-95-150/1500(A)	950	345	185
4TSC10.5-76-150/1500(A)	950	345	185
4TSC3.5-215-220/2200(A)	1250	345	185
4TSC5-165-220/2200(A)	1220	345	185
4TSC6-131-220/2200(A)	1200	345	185
4TSC8-120-220/2200(A)	1140	345	185
4TSC10.5-85-220/2200(A)	1100	345	185
4TSC14-76-220/2200(A)	1060	345	185
4TSC16-75-220/2200(A)	1060	345	185
4TSC20-50-220/2200(A)	1000	345	185
4TSC3.5-260-300/3000(A)	1600	345	185
4TSC5-225-300/3000(A)	1580	345	185
4TSC6-174-300/3000(A)	1550	345	185
4TSC8-150-300/3000(A)	1450	345	185
4TSC10.5-120-300/3000(A)	1420	345	185
4TSC14-95-300/3000(A)	1350	345	185
4TSC16-90-300/3000(A)	1300	345	185
4TSC20-65-300/3000(A)	1250	345	185

Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
4TSC3.5-115-110/1000(A)	110	1000	3.5	115	1.25"	4"
4TSC5-101-110/1000(A)	110	1000	5	101	1.25"	4"
4TSC6-85-110/1000(A)	110	1000	6	85	1.25"	4"
4TSC8-70-110/1000(A)	110	1000	8	70	2"	4"
4TSC10.5-61-110/1000(A)	110	1000	10.5	61	2"	4"
4TSC14-45-110/1000(A)	110	1000	14	45	2"	4"
4TSC16-38-110/1000(A)	110	1000	16	38	2"	4"
4TSC3.5-160-150/1500(A)	150	1500	3.5	160	1.25"	4"
4TSC5-142-150/1500(A)	150	1500	5	142	1.25"	4"
4TSC6-102-150/1500(A)	150	1500	6	102	1.25"	4"
4TSC8-95-150/1500(A)	150	1500	8	95	2"	4"
4TSC10.5-76-150/1500(A)	150	1500	10.5	76	2"	4"
4TSC13-75-150/1500(A)	150	1500	13	75	2"	4"
4TSC16-60-150/1500(A)	150	1500	16	60	2"	4"
4TSC20-35-150/1500(A)	150	1500	20	35	2"	4"
4TSC3.5-215-220/2200(A)	220	2200	3.5	215	1.25"	4"
4TSC5-165-220/2200(A)	220	2200	5	165	1.25"	4"
4TSC6-131-220/2200(A)	220	2200	6	131	1.25"	4"
4TSC8-120-220/2200(A)	220	2200	8	120	2"	4"
4TSC10.5-85-220/2200(A)	220	2200	10.5	85	2"	4"
4TSC14-76-220/2200(A)	220	2200	14	76	2"	4"
4TSC16-75-220/2200(A)	220	2200	16	75	2"	4"
4TSC20-50-220/2200(A)	220	2200	20	50	2"	4"
4TSC3.5-260-300/3000(A)	300	3000	3.5	260	1.25"	4"
4TSC5-225-300/3000(A)	300	3000	5	225	1.25"	4"
4TSC6-174-300/3000(A)	300	3000	6	174	1.25"	4"
4TSC8-150-300/3000(A)	300	3000	8	150	2"	4"
4TSC10.5-120-300/3000(A)	300	3000	10.5	120	2"	4"
4TSC14-95-300/3000(A)	300	3000	14	95	2"	4"
4TSC16-90-300/3000(A)	300	3000	16	90	2"	4"
4TSC20-65-300/3000(A)	300	3000	20	65	2"	4"

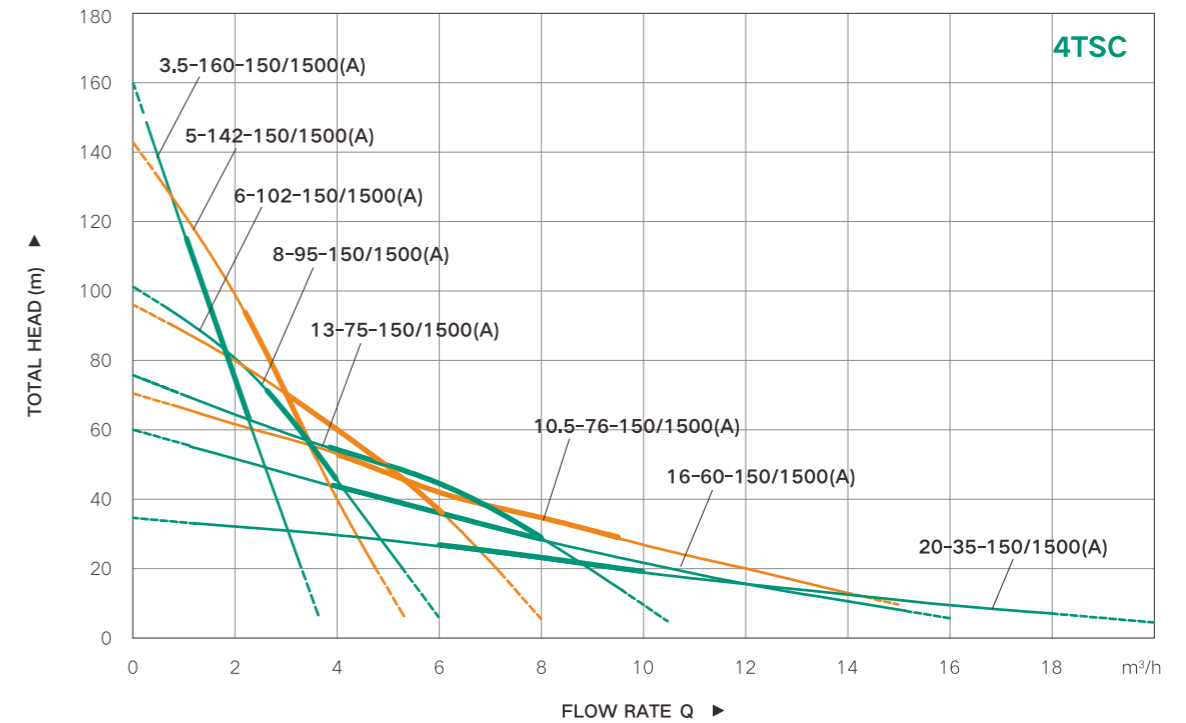
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-115-110/1000(A)	H(m)	115	95	-	-	-	-	-	-	-	-	-
4TSC4-96-110/1000(A)		96	75	10	-	-	-	-	-	-	-	-
4TSC5-101-110/1000(A)		101	82	35	-	-	-	-	-	-	-	-
4TSC5.2-72-110/1000(A)		72	62	36	-	-	-	-	-	-	-	-
4TSC6-85-110/1000(A)		85	73	50	9	-	-	-	-	-	-	-
4TSC8-70-110/1000(A)		70	55	43	28	9	-	-	-	-	-	-
4TSC10.5-61-110/1000(A)		61	49	41	28	20	10	-	-	-	-	-
4TSC14-45-110/1000(A)		45	41	37	31	24	17	11	5	-	-	-
4TSC16-38-110/1000(A)		38	32	28	24	21	17	13	10	6	-	-

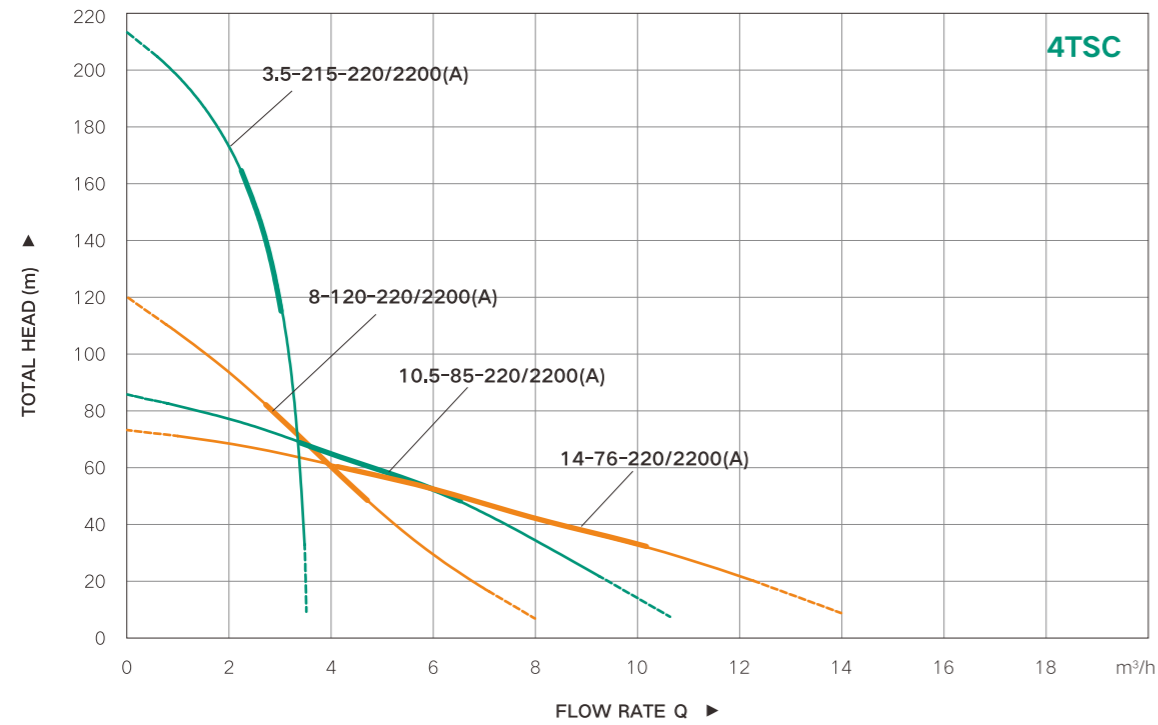
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-160-150/1500(A)	H(m)	160	72	-	-	-	-	-	-	-	-	-
4TSC5-142-150/1500(A)		142	98	41	-	-	-	-	-	-	-	-
4TSC6-102-150/1500(A)		102	81	45	6	-	-	-	-	-	-	-
4TSC8-95-150/1500(A)		95	80	60	37	7	-	-	-	-	-	-
4TSC10.5-76-150/1500(A)		76	64	55	45	29	8	-	-	-	-	-
4TSC13-75-150/1500(A)		75	62	52	43	34	23	13	-	-	-	-
4TSC16-60-150/1500(A)		60	53	44	35	28	23	17	10	6	-	-
4TSC20-35-150/1500(A)		35	33	30	27	24	21	17	13	9	7	5

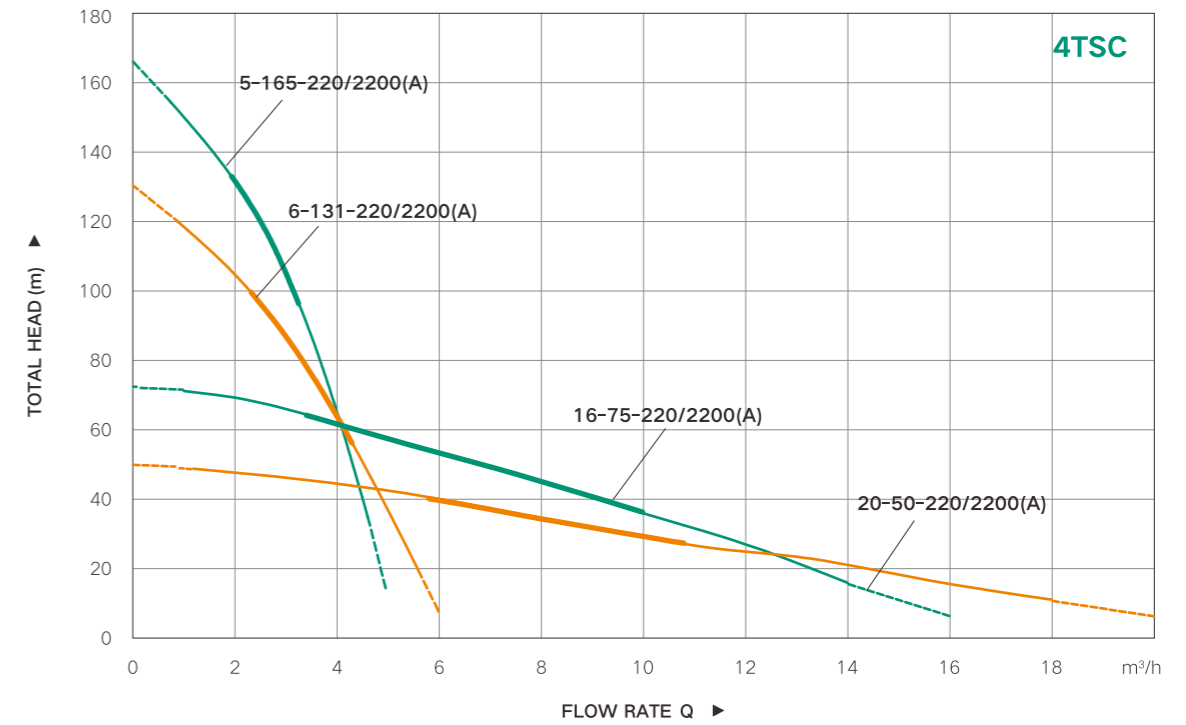
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-215-220/2200(A)	H(m)	215	150	-	-	-	-	-	-	-	-	-
4TSC8-120-220/2200(A)		120	96	60	35	6	-	-	-	-	-	-
4TSC10.5-85-220/2200(A)		85	75	66	52	37	15	-	-	-	-	-
4TSC14-76-220/2200(A)		76	67	59	53	45	32	19	8	-	-	-

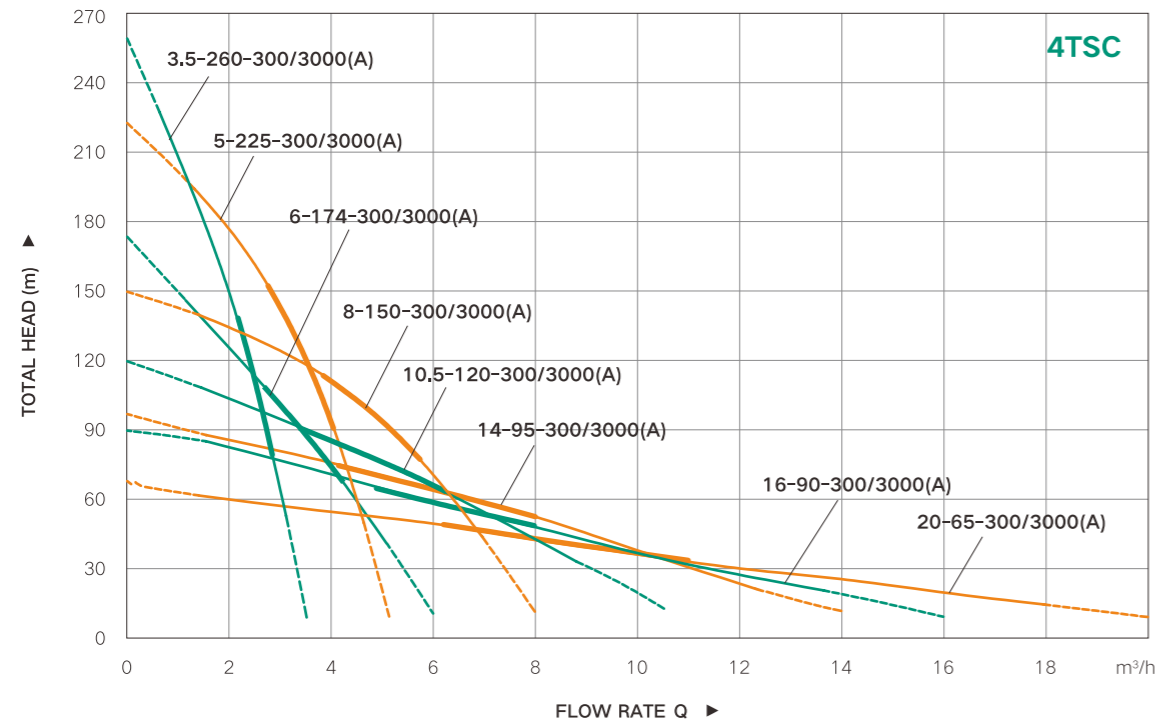
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC5-165-220/2200(A)	H(m)	165	132	78	-	-	-	-	-	-	-	-
4TSC6-131-220/2200(A)		131	105	62	7	-	-	-	-	-	-	-
4TSC16-75-220/2200(A)		75	69	61	54	46	38	28	17	6	-	-
4TSC20-50-220/2200(A)		50	47	43	40	35	31	28	23	18	14	6

Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-260-300/3000(A)	H(m)	260	150	-	-	-	-	-	-	-	-	-
4TSC5-225-300/3000(A)		225	177	93	-	-	-	-	-	-	-	-
4TSC6-174-300/3000(A)		174	126	75	10	-	-	-	-	-	-	-
4TSC8-150-300/3000(A)		150	135	110	71	22	-	-	-	-	-	-
4TSC10.5-120-300/3000(A)		120	103	85	65	42	17	-	-	-	-	-
4TSC14-95-300/3000(A)		95	85	76	66	51	39	21	7	-	-	-
4TSC16-90-300/3000(A)		90	80	68	57	49	35	28	17	8	-	-
4TSC20-65-300/3000(A)		65	60	54	49	42	37	30	24	18	12	6

4TSSC

Professional Solar Pump



SS Impeller



36V/48V/72V/110V Controller



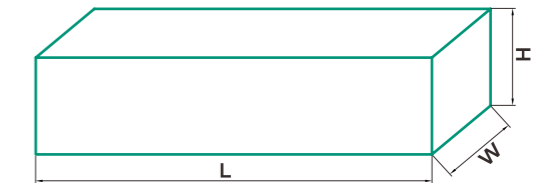
150V/220V/300V Controller



New design For selection



Package Dimensions

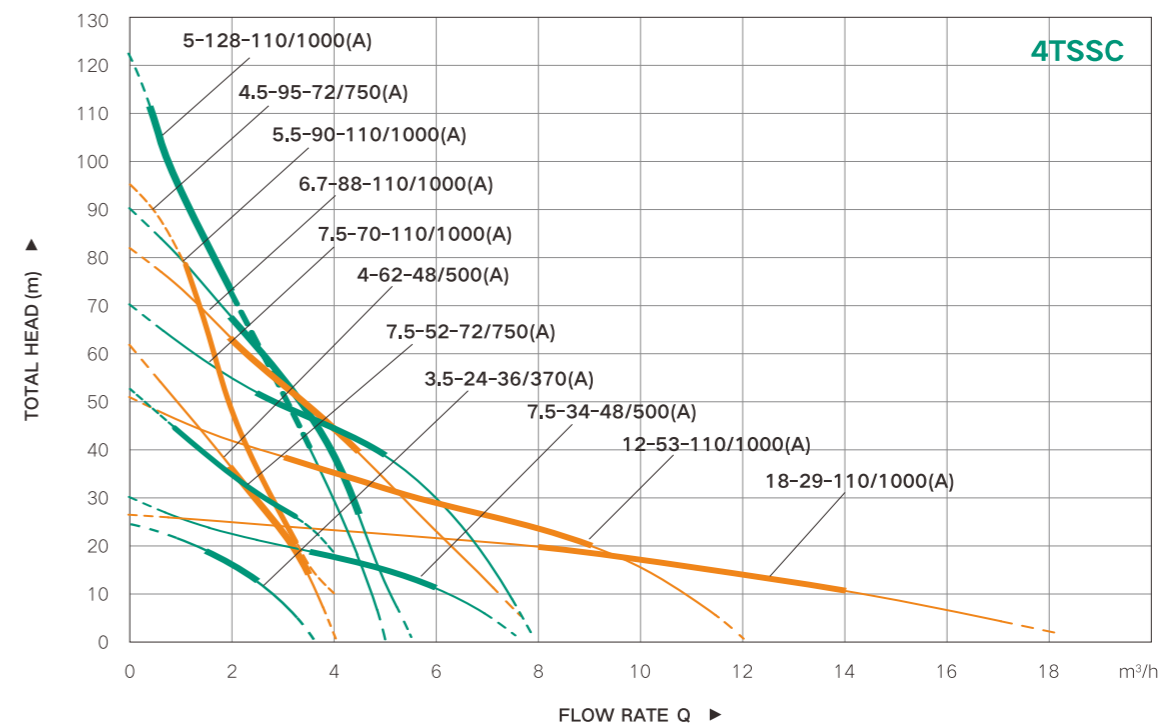


Model	L	W	H
	mm	mm	mm
4TSSC3.5-24-36/300(A)	640	320	185
4TSSC4-62-48/500(A)	850	345	155
4TSSC7.5-34-48/500(A)	850	345	155
4TSSC4.5-95-72/750(A)	850	345	155
4TSSC7.5-52-72/750(A)	850	345	155
4TSSC5-128-110/1000(A)	850	345	155
4TSSC5.5-90-110/1000(A)	850	345	155
4TSSC6.7-88-110/1000(A)	850	345	155
4TSSC7.5-70-110/1000(A)	850	345	155
4TSSC18-29-110/1000(A)	850	345	155
4TSSC12-53-110/1000(A)	850	345	155
4TSSC4-190-150/1500(A)	950	320	185
4TSSC7-130-150/1500(A)	910	320	185
4TSSC12-77-150/1500(A)	810	320	185
4TSSC18-60-150/1500(A)	720	320	185
4TSSC4-215-220/2200(A)	1230	320	185
4TSSC5-195-220/2200(A)	1120	320	185
4TSSC12-108-220/2200(A)	910	320	185
4TSSC7.5-175-220/2200(A)	1120	320	185
4TSSC20-47-220/2200(A)	800	320	170
4TSSC4-300-300/3000(A)	1540	320	170
4TSSC7-220-300/3000(A)	1230	320	185
4TSSC12-140-300/3000(A)	1050	320	185
4TSSC20-80-300/3000(A)	1050	320	185

Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
4TSSC3.5-24-36/370(A)	36	370	3.5	24	1.25"	4"
4TSSC4-62-48/500(A)	48	500	4	62	1.25"	4"
4TSSC7.5-34-48/500(A)	48	500	7.5	30	1.5"	4"
4TSSC4.5-95-72/750(A)	72	750	4.5	95	1.25"	4"
4TSSC7.5-52-72/750(A)	72	750	7.5	52	1.5"	4"
4TSSC5-128-110/1000(A)	110	1000	5	123	1.25"	4"
4TSSC5.5-90-110/1000(A)	110	1000	5.5	90	1.25"	4"
4TSSC6.7-88-110/1000(A)	110	1000	6.7	82	1.5"	4"
4TSSC7.5-70-110/1000(A)	110	1000	7.5	70	1.5"	4"
4TSSC18-29-110/1000(A)	110	1000	18	29	2"	4"
4TSSC12-53-110/1000(A)	110	1000	12	53	2"	4"
4TSSC4-190-150/1500(A)	150	1500	4	190	1.25"	4"
4TSSC7-130-150/1500(A)	150	1500	7	130	1.5"	4"
4TSSC12-77-150/1500(A)	150	1500	12	77	2"	4"
4TSSC18-60-150/1500(A)	150	1500	18	60	2"	4"
4TSSC4-215-220/2200(A)	220	2200	4	215	1.25"	4"
4TSSC5-195-220/2200(A)	220	2200	5	195	1.25"	4"
4TSSC12-108-220/2200(A)	220	2200	12	108	2"	4"
4TSSC7.5-175-220/2200(A)	220	2200	7.5	175	1.5"	4"
4TSSC20-47-220/2200(A)	200	2200	20	47	2"	4"
4TSSC4-300-300/3000(A)	300	3000	4	300	1.25"	4"
4TSSC7-220-300/3000(A)	300	3000	7	220	1.5"	4"
4TSSC12-140-300/3000(A)	300	3000	12	140	2"	4"
4TSSC20-80-300/3000(A)	300	3000	20	80	2"	4"

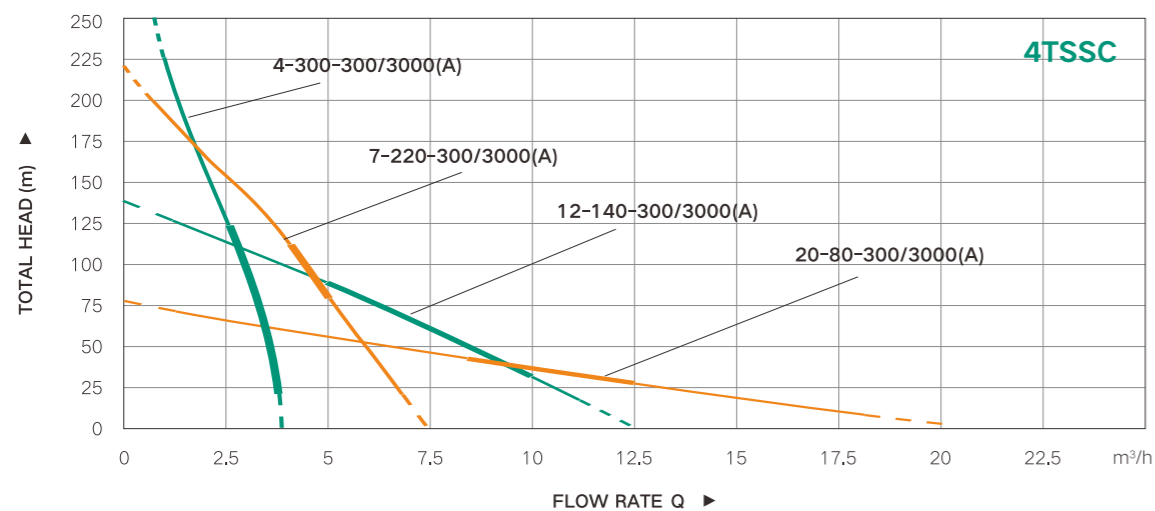
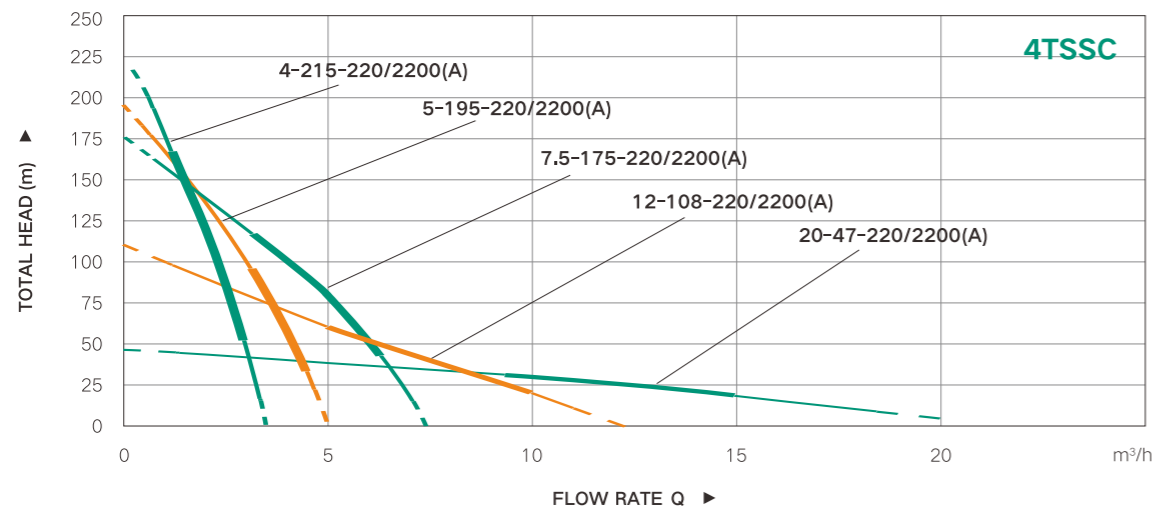
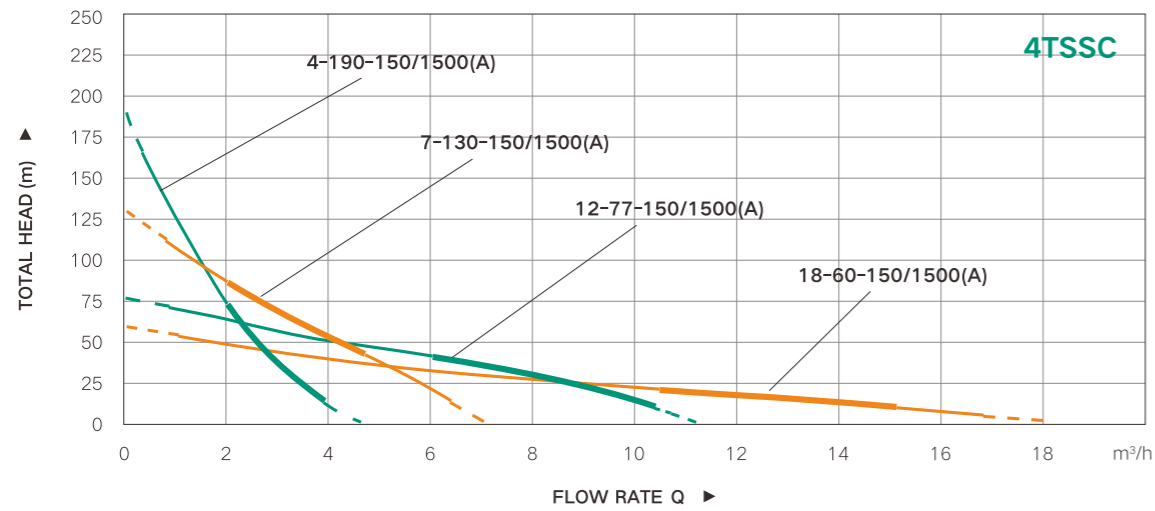
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC3.5-24-36/370(A)	H(m)	24	14	-	-	-	-	-	-	-	-
4TSSC4-62-48/500(A)		62	36	2	-	-	-	-	-	-	-
4TSSC7.5-34-48/500(A)		30	23	17	12	-	-	-	-	-	-
4TSSC4.5-95-72/750(A)		95	50	10	-	-	-	-	-	-	-
4TSSC7.5-52-72/750(A)		52	40	30	19	-	-	-	-	-	-
4TSSC5-128-110/1000(A)		123	65	2	-	-	-	-	-	-	-
4TSSC5.5-90-110/1000(A)		90	67	42	-	-	-	-	-	-	-
4TSSC6.7-88-110/1000(A)		82	63	46	23	-	-	-	-	-	-
4TSSC7.5-70-110/1000(A)		70	55	44	30	-	-	-	-	-	-
4TSSC18-29-110/1000(A)		29	26	23	21	20	18	13	11	7	3
4TSSC12-53-110/1000(A)		53	43	35	28	25	16	2	-	-	-

Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC4-190-150/1500(A)	H(m)	190	73	10	-	-	-	-	-	-	-
4TSSC7-130-150/1500(A)		130	80	53	27	-	-	-	-	-	-
4TSSC12-77-150/1500(A)		77	65	52	38	30	15	-	-	-	-
4TSSC18-60-150/1500(A)		60	50	40	34	29	24	20	15	10	3

Model	Q(m³/h)	0	5	10	15	20	25
4TSSC4-215-220/2200(A)	H(m)	215	-	-	-	-	-
4TSSC5-195-220/2200(A)		195	1	-	-	-	-
4TSSC12-108-220/2200(A)		108	60	22	-	-	-
4TSSC7.5-175-220/2200(A)		175	80	-	-	-	-
4TSSC20-47-220/2200(A)		47	40	32	20	5	-

Model	Q(m³/h)	0	2.5	5	7.5	10	12.5	15	17.5	20
4TSSC4-300-300/3000(A)	H(m)	300	130	-	-	-	-	-	-	-
4TSSC7-220-300/3000(A)		220	155	89	3	-	-	-	-	-
4TSSC12-140-300/3000(A)		140	115	90	60	47	3	-	-	-
4TSSC20-80-300/3000(A)		80	70	57	47	37	30	22	12	5

5TSSC

Professional Solar Pump



SS Impeller



36V/48V/72V/110V Controller



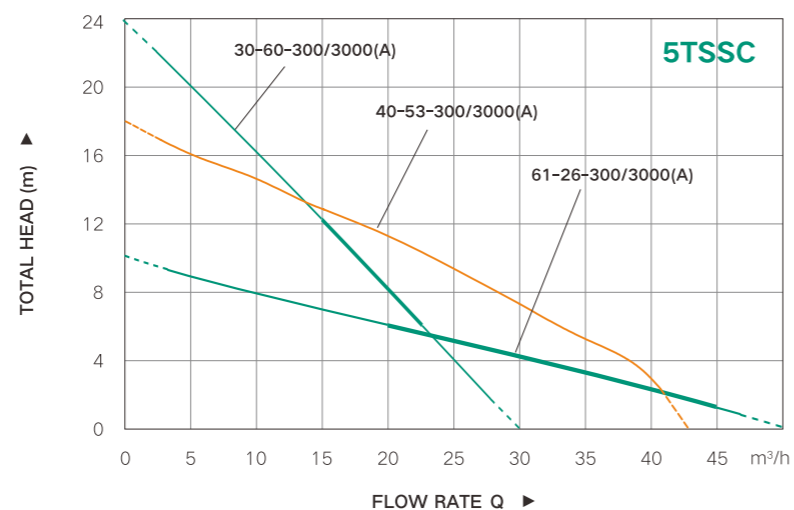
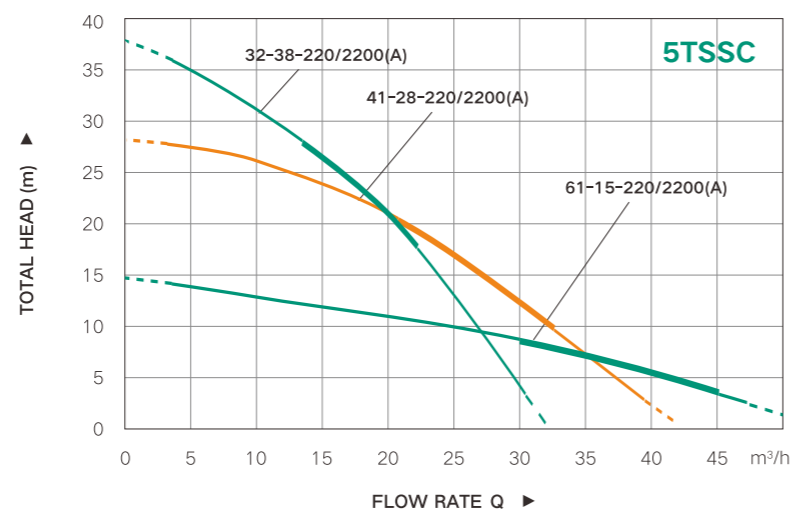
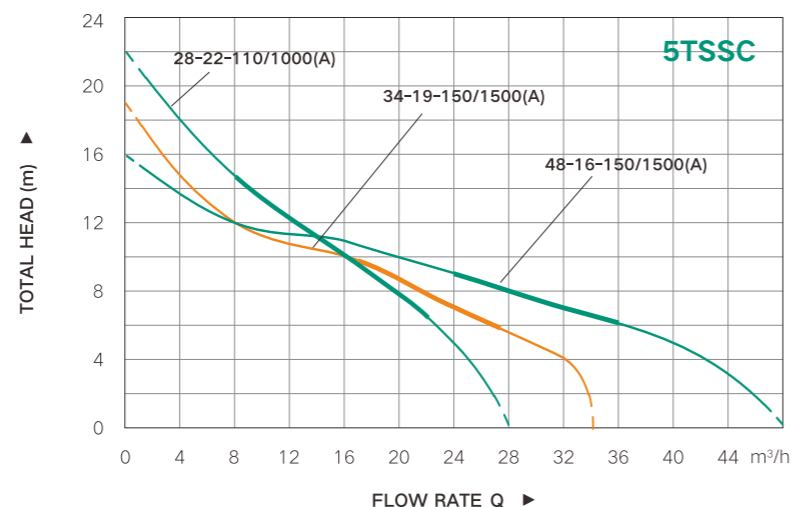
150V/220V/300V Controller



New design For selection



Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
5TSSC28-22-110/1000(A)	110	1000	28	22	3"	5"
5TSSC48-16-150/1500(A)	150	1500	48	16	3"	5"
5TSSC34-19-150/1500(A)	150	1500	34	19	3"	5"
5TSSC32-38-220/2200(A)	220	2200	32	38	3"	5"
5TSSC41-28-220/2200(A)	220	2200	41	28	3"	5"
5TSSC61-15-220/2200(A)	220	2200	61	15	3"	5"
5TSSC30-60-300/3000(A)	300	3000	30	60	3"	5"
5TSSC40-53-300/3000(A)	300	3000	40	45	3"	5"
5TSSC61-26-300/3000(A)	300	3000	61	26	3"	5"

Performance Chart

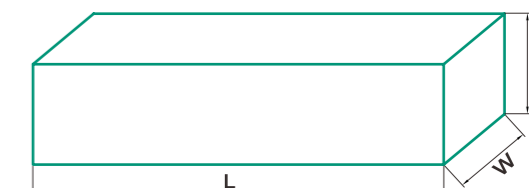
Model	Q(m³/h)	0	8	16	24	32	10
5TSSC28-22-110/1000(A)	H(m)	22	15	10	5	-	-
5TSSC48-16-150/1500(A)		16	12	11	9	7	5
5TSSC34-19-150/1500(A)		19	12	10	7	4	-

Model	Q(m³/h)	0	5	10	15	20	25	30	35	40	45	50	55
5TSSC32-38-220/2200(A)	H(m)	38	35	31	27	21	11	2	-	-	-	-	-
5TSSC41-28-220/2200(A)		28	26	25	23	20	17	13	8	3	-	-	-
5TSSC61-15-220/2200(A)		15	14	13	12	11	10	8	7	6	3	2	1

Model	Q(m³/h)	0	5	10	15	20	25	30	35	40	45	50
5TSSC30-60-300/3000(A)	H(m)	60	50	40	30	20	10	3	-	-	-	-
5TSSC40-53-300/3000(A)		45	40	37	32	28	24	18	13	7	-	-
5TSSC61-26-300/3000(A)		26	23	20	18	16	14	12	10	8	5	3

Package Dimensions

Model	L	W	H
	mm	mm	mm
5TSSC28-22-110/1000(A)	690	320	185
5TSSC48-16-150/1500(A)	730	340	220
5TSSC34-19-150/1500(A)	690	340	220
5TSSC32-38-220/2200(A)	800	340	220
5TSSC41-28-220/2200(A)	810	340	220
5TSSC61-15-220/2200(A)	780	340	220



Model	L	W	H
	mm	mm	mm
5TSSC30-60-300/3000(A)	900	340	220
5TSSC40-53-300/3000(A)	1030	340	220
5TSSC61-26-300/3000(A)	900	340	220

4TSC-HYA/M

Professional Solar Pump



Plastic Impeller



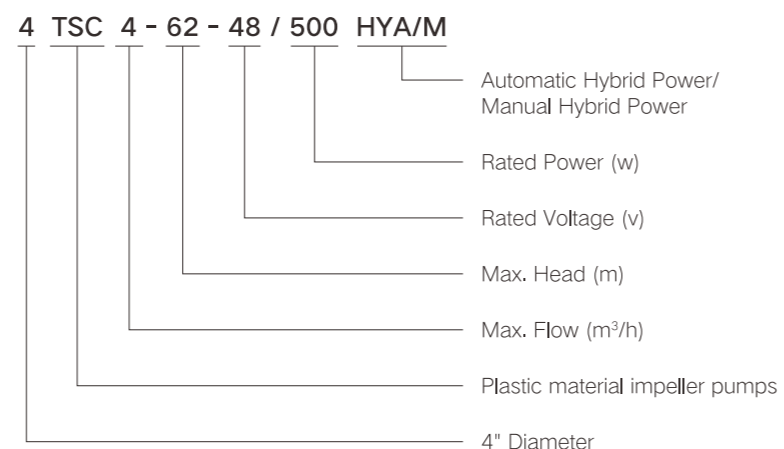
110V/150V/220V/300V Controller



110V/150V/220V/300V Controller



Model Description



Product Features

- Outlet: stainless steel 304
- Pump body: stainless steel 304
- Motor body: stainless steel 304
- Bearing: NSK (made in Japan)
- Screw&Nut: stainless steel 316

Applications

- This project products are mainly used in dry region for agriculture irrigation, It can be used for drinking water and living water. The living condition could be much more improved. It also can be used for fountains.

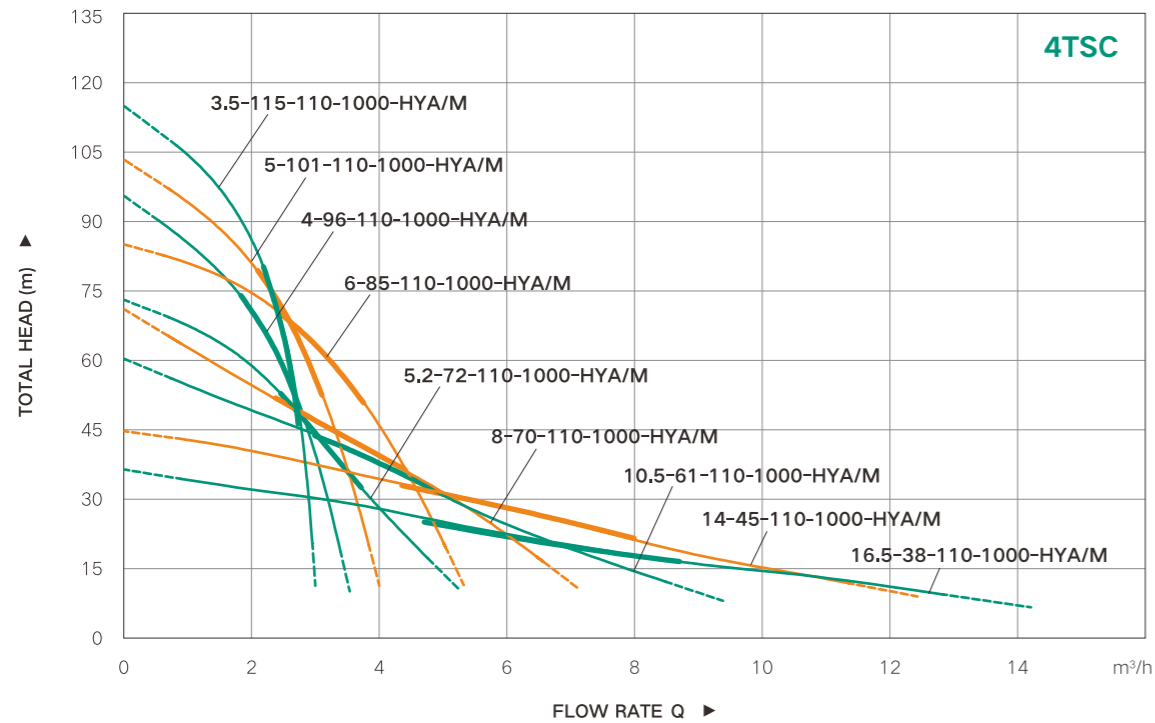
Working Conditions

- Environmental requirements: Solar systems operate at ambient temperatures up to 50°C.
- TSS (screw pumps), TSC (plastic impeller pumps), TSSC (stainless steel impeller pumps) can be used for potable water supply, livestock watering and irrigation applications that do not contain solids larger than sand or long fibre particles with a maximum particle size of 1.5 mm and a maximum permissible sand content of 100 ppm.
- Maximum liquid temperature is 50 ° C. (for the screw pump TSS better not exceed 40 degrees)
- PH value of 6.5-8.5.

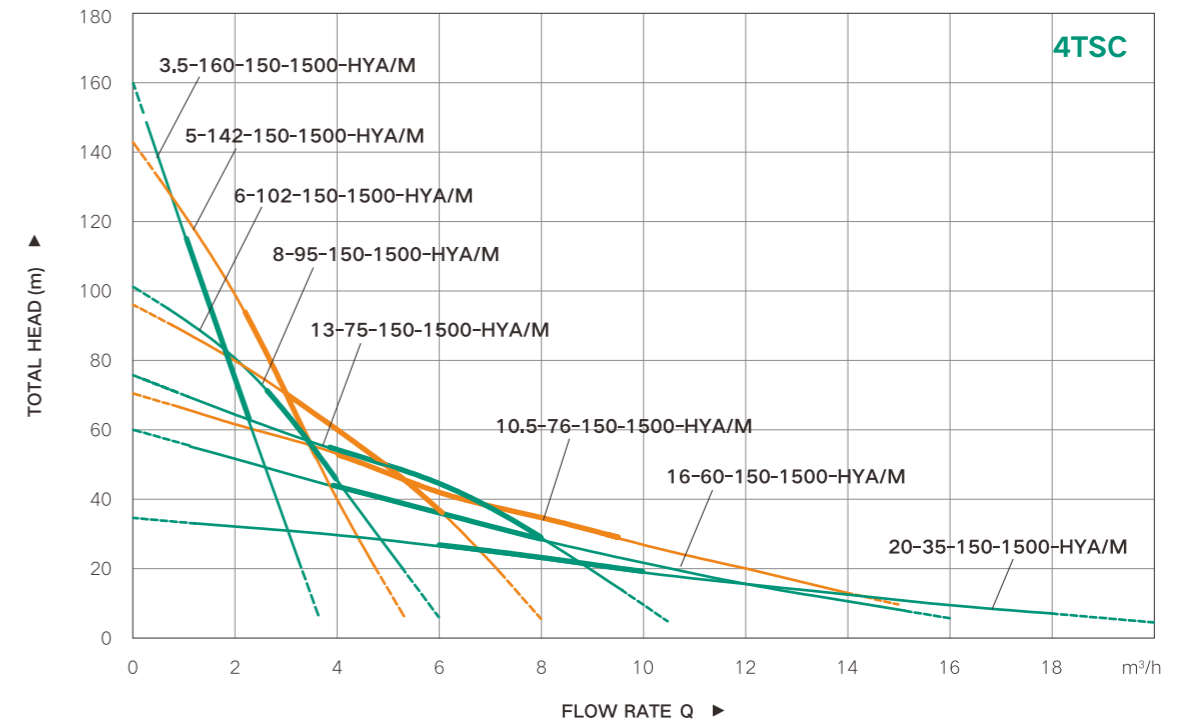
Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
4TSC3.5-115-110-1000-HYA/M	110	1000	3.5	115	1.25"	4"
4TSC4-96-110-1000-HYA/M	110	1000	5	101	1.25"	4"
4TSC5-101-110-1000-HYA/M	110	1000	6	85	1.25"	4"
4TSC5.2-72-110-1000-HYA/M	110	1000	8	70	2"	4"
4TSC6-85-110-1000-HYA/M	110	1000	10.5	61	2"	4"
4TSC8-70-110-1000-HYA/M	110	1000	14	45	2"	4"
4TSC10.5-61-110-1000-HYA/M	110	1000	16	38	2"	4"
4TSC14-45-110-1000-HYA/M	150	1500	8	95	2"	4"
4TSC16-38-110-1000-HYA/M	150	1500	13	75	2"	4"
4TSC3.5-160-150-1500-HYA/M	150	1500	3.5	160	1.25"	4"
4TSC5-142-150-1500-HYA/M	150	1500	5	142	1.25"	4"
4TSC6-102-150-1500-HYA/M	150	1500	6	102	1.25"	4"
4TSC8-95-150-1500-HYA/M	150	1500	8	95	2"	4"
4TSC10.5-76-150-1500-HYA/M	150	1500	10.5	76	2"	4"
4TSC13-75-150-1500-HYA/M	150	1500	13	75	2"	4"
4TSC16-60-150-1500-HYA/M	150	1500	16	60	2"	4"
4TSC20-35-150-1500-HYA/M	150	1500	20	35	2"	4"
4TSC3.5-215-220-2200-HYA/M	220	2200	3.5	215	1.25"	4"
4TSC5-165-220-2200-HYA/M	220	2200	5	165	1.25"	4"
4TSC6-131-220-2200-HYA/M	220	2200	6	131	1.25"	4"
4TSC8-120-220-2200-HYA/M	220	2200	8	120	2"	4"
4TSC10.5-85-220-2200-HYA/M	220	2200	10.5	85	2"	4"
4TSC14-76-220-2200-HYA/M	220	2200	14	76	2"	4"
4TSC16-75-220-2200-HYA/M	220	2200	16	75	2"	4"
4TSC20-50-220-2200-HYA/M	220	2200	20	50	2"	4"
4TSC3.5-260-300-3000-HYA/M	300	3000	3.5	260	1.25"	4"
4TSC5-225-300-3000-HYA/M	300	3000	5	225	1.25"	4"
4TSC6-174-300-3000-HYA/M	300	3000	6	174	1.25"	4"
4TSC8-150-300-3000-HYA/M	300	3000	8	150	2"	4"
4TSC10.5-120-300-3000-HYA/M	300	3000	10.5	120	2"	4"
4TSC14-95-300-3000-HYA/M	300	3000	14	95	2"	4"
4TSC16-90-300-3000-HYA/M	300	3000	16	90	2"	4"
4TSC20-65-300-3000-HYA/M	300	3000	20	65	2"	4"

Performance Curve



Performance Curve



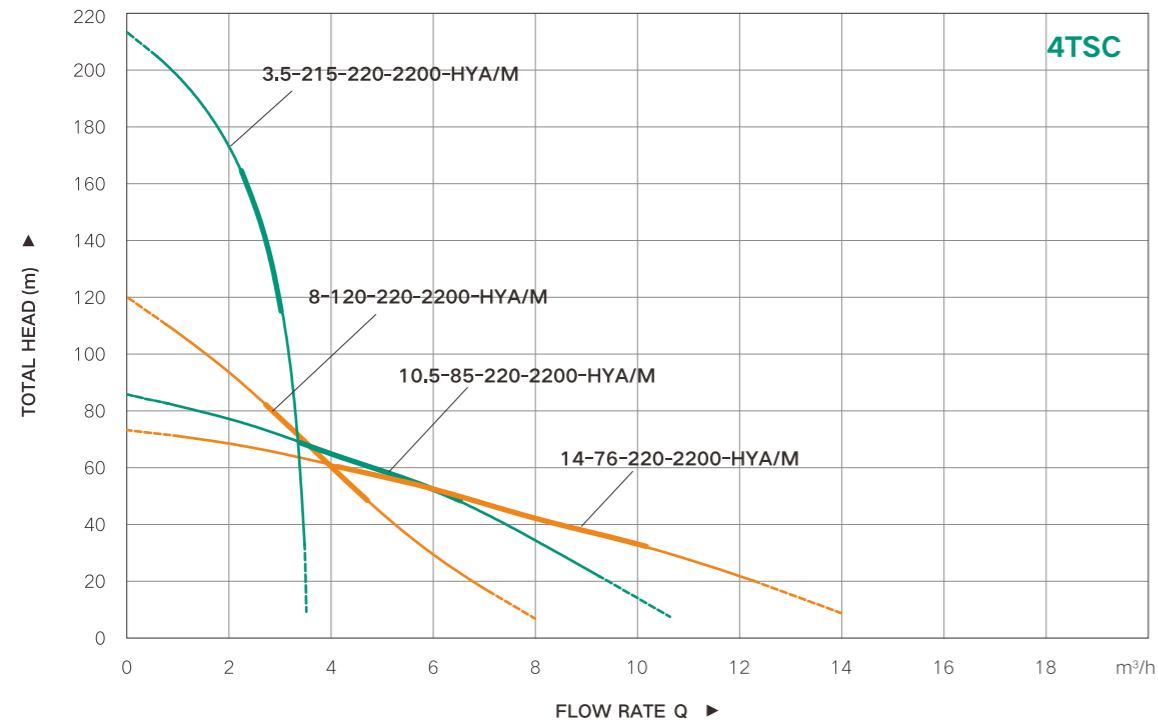
Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-115-110-1000-HYA/M	H(m)	115	95	-	-	-	-	-	-	-	-	-
4TSC4-96-110-1000-HYA/M		96	75	10	-	-	-	-	-	-	-	-
4TSC5-101-110-1000-HYA/M		101	82	35	-	-	-	-	-	-	-	-
4TSC5.2-72-110-1000-HYA/M		72	62	36	-	-	-	-	-	-	-	-
4TSC6-85-110-1000-HYA/M		85	73	50	9	-	-	-	-	-	-	-
4TSC8-70-110-1000-HYA/M		70	55	43	28	9	-	-	-	-	-	-
4TSC10.5-61-110-1000-HYA/M		61	49	41	28	20	10	-	-	-	-	-
4TSC14-45-110-1000-HYA/M		45	41	37	31	24	17	11	5	-	-	-
4TSC16-38-110-1000-HYA/M		38	32	28	24	21	17	13	10	6	-	-

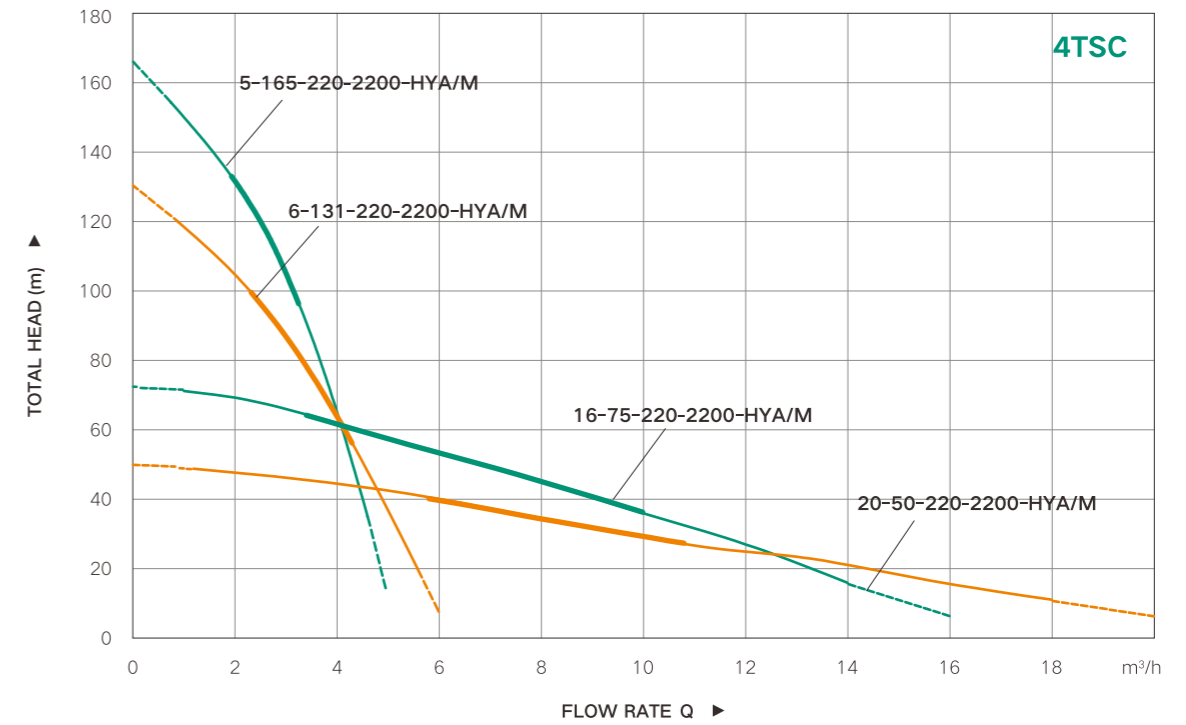
Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-160-150-1500-HYA/M	H(m)	160	72	-	-	-	-	-	-	-	-	-
4TSC5-142-150-1500-HYA/M		142	98	41	-	-	-	-	-	-	-	-
4TSC6-102-150-1500-HYA/M		102	81	45	6	-	-	-	-	-	-	-
4TSC8-95-150-1500-HYA/M		95	80	60	37	7	-	-	-	-	-	-
4TSC10.5-76-150-1500-HYA/M		76	64	55	45	29	8	-	-	-	-	-
4TSC13-75-150-1500-HYA/M		75	62	52	43	34	23	13	-	-	-	-
4TSC16-60-150-1500-HYA/M		60	53	44	35	28	23	17	10	6	-	-
4TSC20-35-150-1500-HYA/M		35	33	30	27	24	21	17	13	9	7	5

Performance Curve



Performance Curve



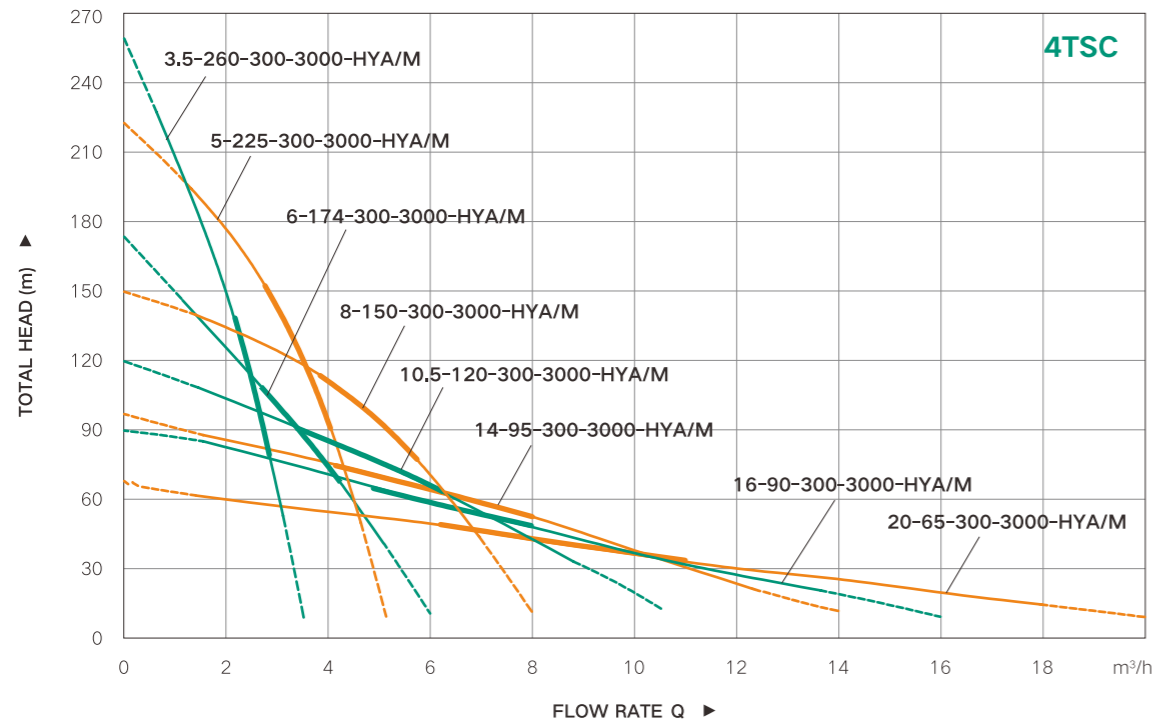
Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3.5-215-220-2200-HYA/M	H(m)	215	150	-	-	-	-	-	-	-	-	-
4TSC8-120-220-2200-HYA/M		120	96	60	35	6	-	-	-	-	-	-
4TSC10.5-85-220-2200-HYA/M		85	75	66	52	37	15	-	-	-	-	-
4TSC14-76-220-2200-HYA/M		76	67	59	53	45	32	19	8	-	-	-

Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC5-165-220-2200-HYA/M	H(m)	165	132	78	-	-	-	-	-	-	-	-
4TSC6-131-220-2200-HYA/M		131	105	62	7	-	-	-	-	-	-	-
4TSC16-75-220-2200-HYA/M		75	69	61	54	46	38	28	17	6	-	-
4TSC20-50-220-2200-HYA/M		50	47	43	40	35	31	28	23	18	14	6

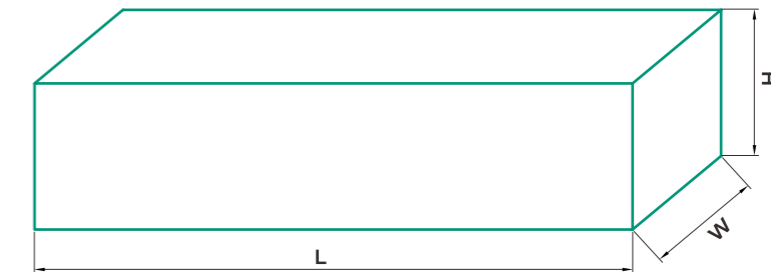
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18	20
4TSC3,5-260-300-3000-HYA/M	H(m)	260	150	-	-	-	-	-	-	-	-	-
4TSC5-225-300-3000-HYA/M		225	177	93	-	-	-	-	-	-	-	-
4TSC6-174-300-3000-HYA/M		174	126	75	10	-	-	-	-	-	-	-
4TSC8-150-300-3000-HYA/M		150	135	110	71	22	-	-	-	-	-	-
4TSC10,5-120-300-3000-HYA/M		120	103	85	65	42	17	-	-	-	-	-
4TSC14-95-300-3000-HYA/M		95	85	76	66	51	39	21	7	-	-	-
4TSC16-90-300-3000-HYA/M		90	80	68	57	49	35	28	17	8	-	-
4TSC20-65-300-3000-HYA/M		65	60	54	49	42	37	30	24	18	12	6

Package Dimensions



Model	L	W	H	Model	L	W	H
	mm	mm	mm		mm	mm	mm
4TSC3,5-115-110-1000-HYA/M	850	345	185	4TSC3,5-215-220-2200-HYA/M	1250	345	185
4TSC4-96-110-1000-HYA/M	850	345	185	4TSC5-165-220-2200-HYA/M	1220	345	185
4TSC5-101-110-1000-HYA/M	850	345	185	4TSC6-131-220-2200-HYA/M	1200	345	185
4TSC5,2-72-110-1000-HYA/M	850	345	185	4TSC8-120-220-2200-HYA/M	1140	345	185
4TSC6-85-110-1000-HYA/M	850	345	185	4TSC10,5-85-220-2200-HYA/M	1100	345	185
4TSC8-70-110/1000-HYA/M	850	345	185	4TSC14-76-220-2200-HYA/M	1060	345	185
4TSC10,5-61-110-1000-HYA/M	850	345	185	4TSC16-75-220-2200-HYA/M	1060	345	185
4TSC14-45-110-1000-HYA/M	850	345	185	4TSC20-50-220-2200-HYA/M	1000	345	185
4TSC16-38-110-1000-HYA/M	850	345	185	4TSC3,5-260-300-3000-HYA/M	1600	345	185
4TSC3,5-160-150-1500-HYA/M	1090	345	185	4TSC5-225-300-3000-HYA/M	1580	345	185
4TSC5-142-150-1500-HYA/M	1150	345	185	4TSC6-174-300-3000-HYA/M	1550	345	185
4TSC6-102-150-1500-HYA/M	1120	345	185	4TSC8-150-300-3000-HYA/M	1450	345	185
4TSC8-95-150-1500-HYA/M	950	345	185	4TSC10,5-120-300-3000-HYA/M	1420	345	185
4TSC10,5-76-150-1500-HYA/M	950	345	185	4TSC14-95-300-3000-HYA/M	1350	345	185
4TSC13-75-150-1500-HYA/M	950	345	185	4TSC16-90-300-3000-HYA/M	1300	345	185
4TSC16-60-150-1500-HYA/M	950	345	185	4TSC20-65-300-3000-HYA/M	1250	345	185
4TSC20-35-150-1500-HYA/M	950	345	185				

4TSSC-HYA/M

Professional Solar Pump



SS Impeller



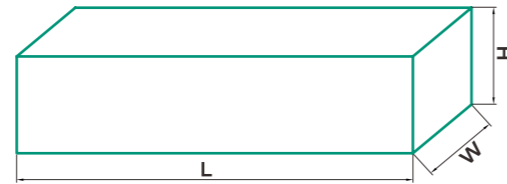
110V/150V/220V/300V Controller



110V/150V/220V/300V Controller



Package Dimensions

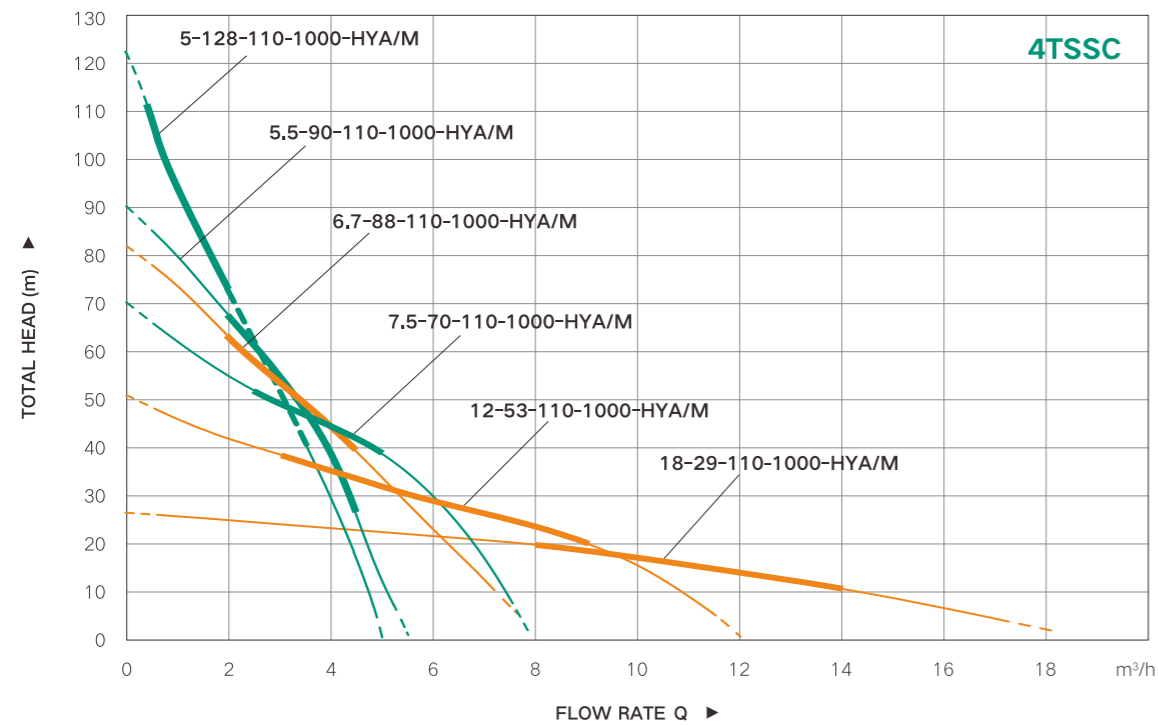


Model	L	W	H
	mm	mm	mm
4TSSC5-128-110-1000-HYA/M	850	345	155
4TSSC5.5-90-110-1000-HYA/M	850	345	155
4TSSC6.7-88-110-1000-HYA/M	850	345	155
4TSSC7.5-70-110-1000-HYA/M	850	345	155
4TSSC18-29-110-1000-HYA/M	850	345	155
4TSSC12-53-110-1000-HYA/M	850	345	155
4TSSC4-190-150-1500-HYA/M	950	320	185
4TSSC7-130-150-1500-HYA/M	910	320	185
4TSSC12-77-150-1500-HYA/M	810	320	185
4TSSC18-60-150-1500-HYA/M	720	320	185
4TSSC4-215-220-2200-HYA/M	1230	320	185
4TSSC5-195-220-2200-HYA/M	1120	320	185
4TSSC12-108-220-2200-HYA/M	910	320	185
4TSSC7.5-175-220-2200-HYA/M	1120	320	185
4TSSC20-47-220-2200-HYA/M	800	320	170
4TSSC4-300-300-3000-HYA/M	1540	320	170
4TSSC7-220-300-3000-HYA/M	1230	320	185
4TSSC12-140-300-3000-HYA/M	1050	320	185
4TSSC20-80-300-3000-HYA/M	1050	320	185

Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m ³ /h	m	In	In
4TSSC5-128-110-1000-HYA/M	110	1000	5	123	1.25"	4"
4TSSC5.5-90-110-1000-HYA/M	110	1000	5.5	90	1.25"	4"
4TSSC6.7-88-110-1000-HYA/M	110	1000	6.7	82	1.5"	4"
4TSSC7.5-70-110-1000-HYA/M	110	1000	7.5	70	1.5"	4"
4TSSC18-29-110-1000-HYA/M	110	1000	18	29	2"	4"
4TSSC12-53-110-1000-HYA/M	110	1000	12	53	2"	4"
4TSSC4-190-150-1 500-HYA/M	150	1500	4	190	1.25"	4"
4TSSC7-130-1 50-1500-HYA/M	150	1500	7	130	1.5"	4"
4TSSC12-77-150-1500-HYA/M	150	1500	12	77	2"	4"
4TSSC18-60-150-1500-HYA/M	150	1500	18	60	2"	4"
4TSSC4-215-220-2200-HYA/M	220	2200	4	215	1.25"	4"
4TSSC5-195-220-2200-HYA/M	220	2200	5	195	1.25"	4"
4TSSC12-108-220-2200-HYA/M	220	2200	12	108	2"	4"
4TSSC7.5-175-220-2200-HYA/M	220	2200	7.5	175	1.5"	4"
4TSSC20-47-220-2200-HYA/M	200	2200	20	47	2"	4"
4TSSC4-300-300-3000-HYA/M	300	3000	4	300	1.25"	4"
4TSSC7-220-300-3000-HYA/M	300	3000	7	220	1.5"	4"
4TSSC12-140-300-3000-HYA/M	300	3000	12	140	2"	4"
4TSSC20-80-300-3000-HYA/M	300	3000	20	80	2"	4"

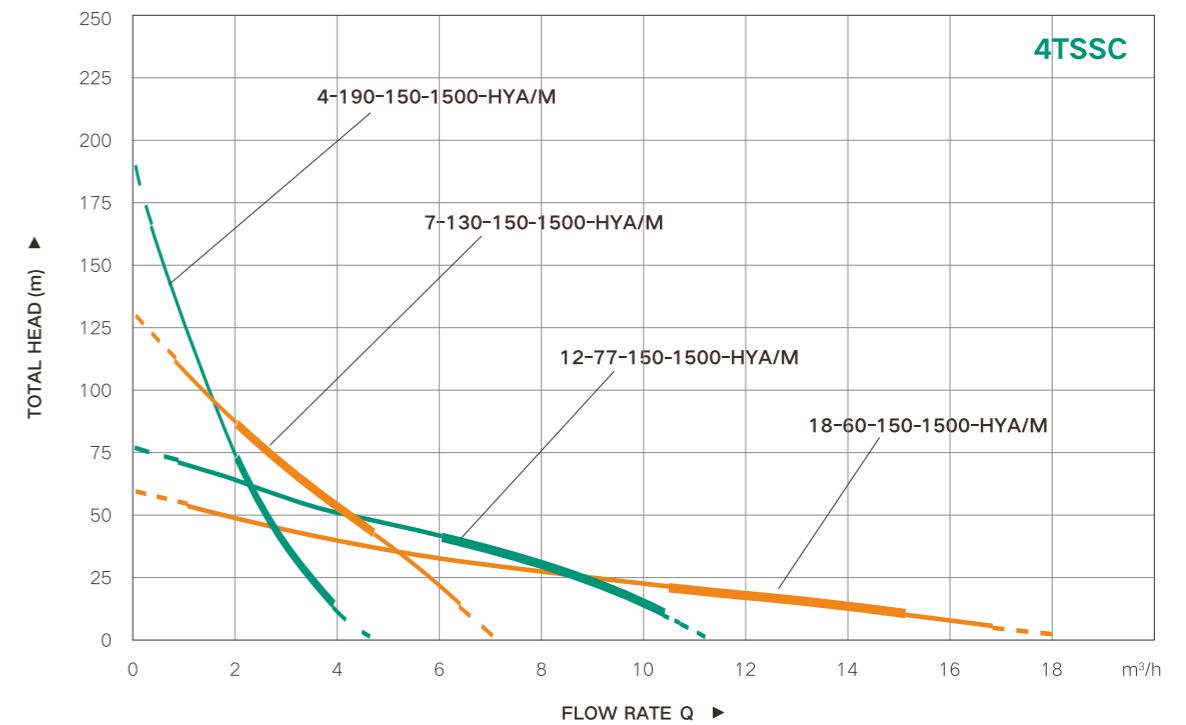
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC5-128-110-1000-HYA/M	H(m)	123	65	2	-	-	-	-	-	-	-
4TSSC5.5-90-110-1000-HYA/M		90	67	42	-	-	-	-	-	-	-
4TSSC6.7-88-110-1000-HYA/M		82	63	46	23	-	-	-	-	-	-
4TSSC7.5-70-110-1000-HYA/M		70	55	44	30	-	-	-	-	-	-
4TSSC18-29-110-1000-HYA/M		29	26	23	21	20	18	13	11	7	3
4TSSC12-53-110-1000-HYA/M		53	43	35	28	25	16	2	-	-	-

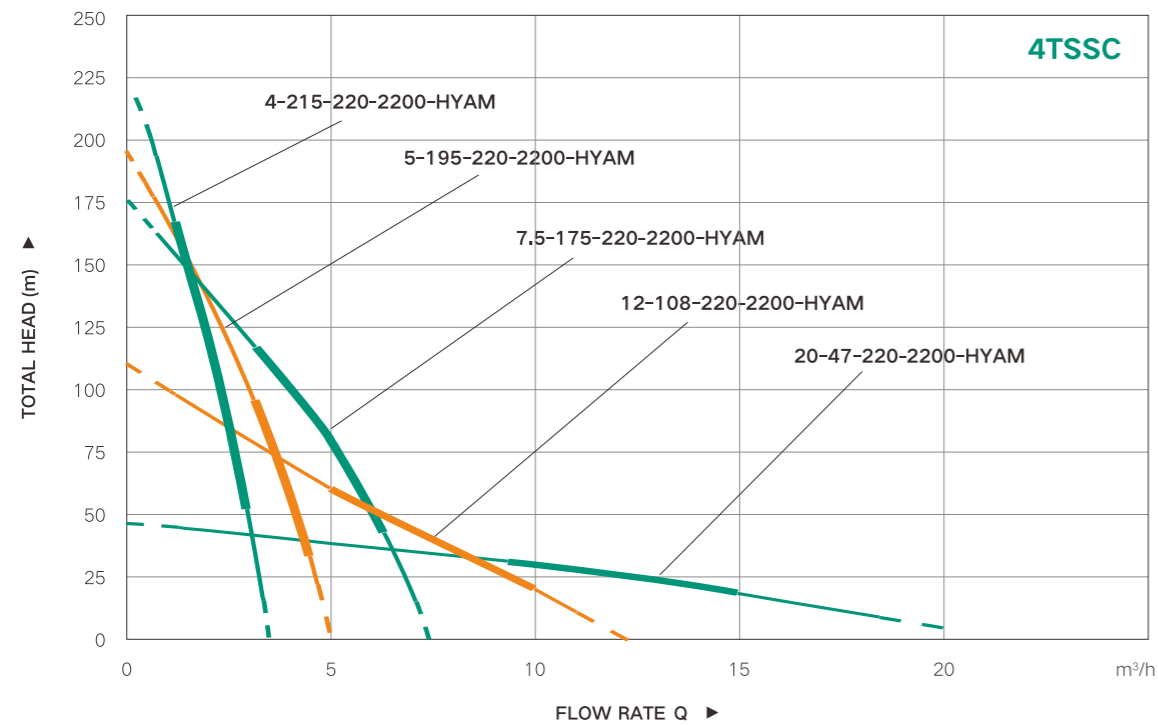
Performance Curve



Performance Chart

Model	Q(m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC4-190-150-1500-HYA/M	H(m)	190	73	10	-	-	-	-	-	-	-
4TSSC7-130-150-1500-HYA/M		130	80	53	27	-	-	-	-	-	-
4TSSC12-77-150-1500-HYA/M		77	65	52	38	30	15	-	-	-	-
4TSSC18-60-150-1500-HYA/M		60	50	40	34	29	24	20	15	10	3

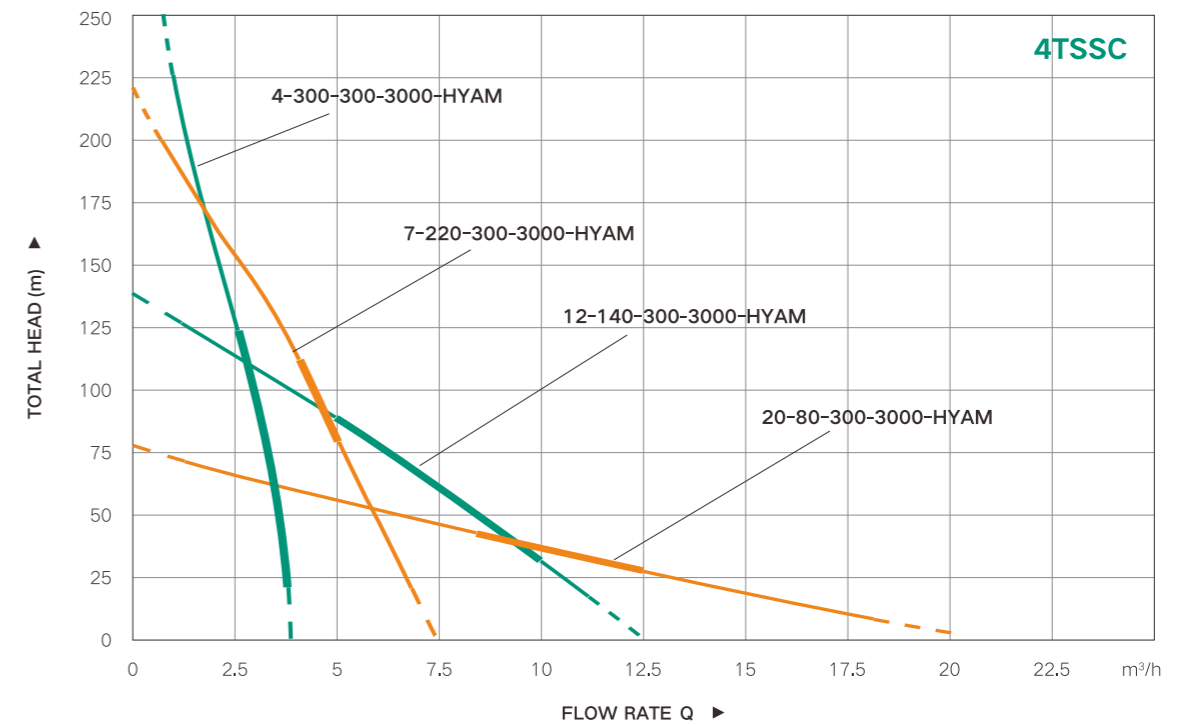
Performance Curve



Performance Chart

Model	Q(m³/h)	0	5	10	15	20	25
4TSSC4-215-220-2200-HYAM	H(m)	215	-	-	-	-	-
4TSSC5-195-220-2200-HYAM		195	1	-	-	-	-
4TSSC12-108-220-2200-HYAM		108	60	22	-	-	-
4TSSC7.5-175-220-2200-HYAM		175	80	-	-	-	-
4TSSC20-47-220-2200-HYAM		47	40	32	20	5	-

Performance Curve



Performance Chart

Model	Q(m³/h)	0	2.5	5	7.5	10	12.5	15	17.5	20
4TSSC4-300-300-3000-HYA/M	H(m)	300	130	-	-	-	-	-	-	-
4TSSC7-220-300-3000-HYA/M		220	155	89	3	-	-	-	-	-
4TSSC12-140-300-3000-HYA/M		140	115	90	60	47	3	-	-	-
4TSSC20-80-300-3000-HYA/M		80	70	57	47	37	30	22	12	5

5TSSC-HYA/M

Professional Solar Pump



SS Impeller



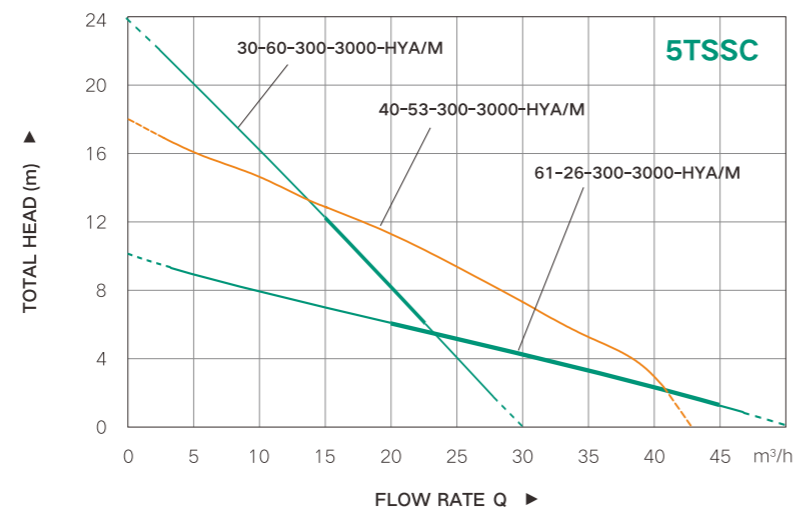
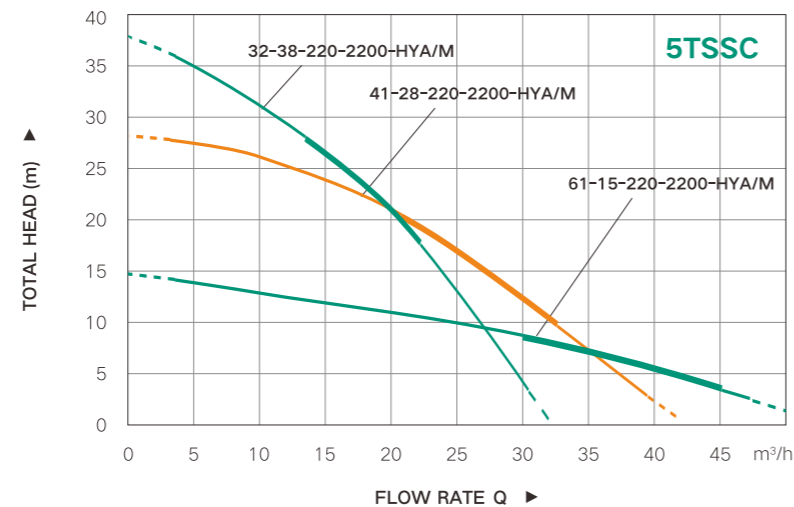
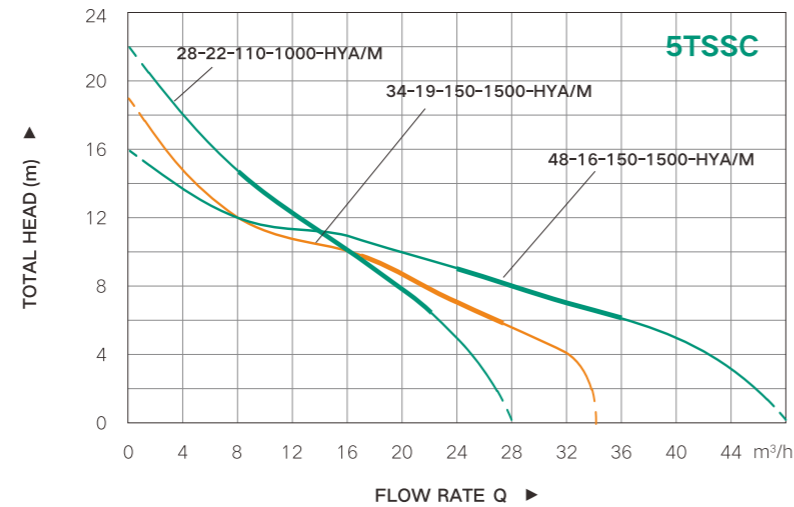
110V/150V/220V/300V Controller



110V/150V/220V/300V Controller



Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
5TSSC28-22-110-1000-HYA/M	110	1000	28	22	3"	5"
5TSSC48-16-150-1500-HYA/M	150	1500	48	16	3"	5"
5TSSC34-19-150-1500-HYA/M	150	1500	34	19	3"	5"
5TSSC32-38-220-2200-HYA/M	220	2200	32	38	3"	5"
5TSSC41-28-220-2200-HYA/M	220	2200	41	28	3"	5"
5TSSC61-15-220-2200-HYA/M	220	2200	61	15	3"	5"
5TSSC30-60-300-3000-HYA/M	300	3000	30	60	3"	5"
5TSSC40-53-300-3000-HYA/M	300	3000	40	45	3"	5"
5TSSC61-26-300-3000-HYA/M	300	3000	61	26	3"	5"

Performance Chart

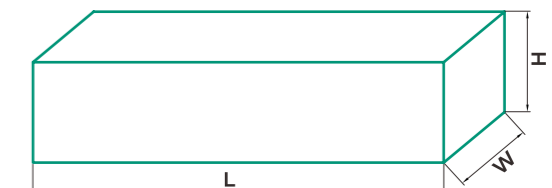
Model	Q(m³/h)	0	8	16	24	32	10
5TSSC28-22-110-1000-HYA/M	H(m)	22	15	10	5	-	-
5TSSC48-16-150-1500-HYA/M		16	12	11	9	7	5
5TSSC34-19-150-1500-HYA/M		19	12	10	7	4	-

Model	Q(m³/h)	0	5	10	15	20	25	30	35	40	45	50	55
5TSSC32-38-220-2200-HYA/M	H(m)	38	35	31	27	21	11	2	-	-	-	-	-
5TSSC41-28-220-2200-HYA/M		28	26	25	23	20	17	13	8	3	-	-	-
5TSSC61-15-220-2200-HYA/M		15	14	13	12	11	10	8	7	6	3	2	1

Model	Q(m³/h)	0	5	10	15	20	25	30	35	40	45	50
5TSSC30-60-300-3000-HYA/M	H(m)	60	50	40	30	20	10	3	-	-	-	-
5TSSC40-53-300-3000-HYA/M		45	40	37	32	28	24	18	13	7	-	-
5TSSC61-26-300-3000-HYA/M		26	23	20	18	16	14	12	10	8	5	3

Package Dimensions

Model	L	W	H
	mm	mm	mm
5TSSC28-22-110-1000-HYA/M	690	320	185
5TSSC48-16-150-1500-HYA/M	730	340	220
5TSSC34-19-150-1500-HYA/M	690	340	220
5TSSC32-38-220-2200-HYA/M	800	340	220
5TSSC41-28-220-2200-HYA/M	810	340	220
5TSSC61-15-220-2200-HYA/M	780	340	220



Model	L	W	H
	mm	mm	mm
5TSSC30-60-300-3000-HYA/M	900	340	220
5TSSC40-53-300-3000-HYA/M	1030	340	220
5TSSC61-26-300-3000-HYA/M	900	340	220



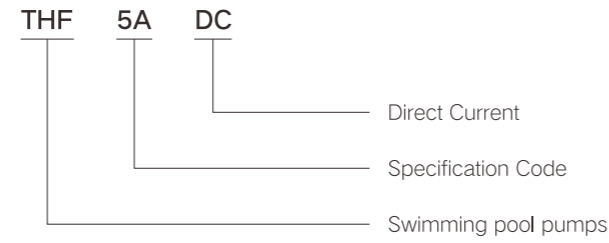
THF-DC

Solar Pump



New design For selection

Model Description



Working Conditions

- Wide voltage
- Soft start
- With MPPT function
- With high and low water level protection, overload and underload protection, overvoltage and undervoltage protection, no-load protection, blocking protection

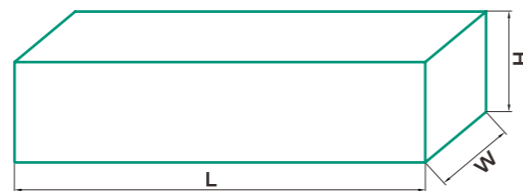
Working Conditions

- The ambient temperature is 0°C + 40°C.
- The PH of the medium is between 6.5 and 8.5.
- The volume of solid impurity is less than 0.1% and the particle size is less than 0.2 mm.

Working Conditions

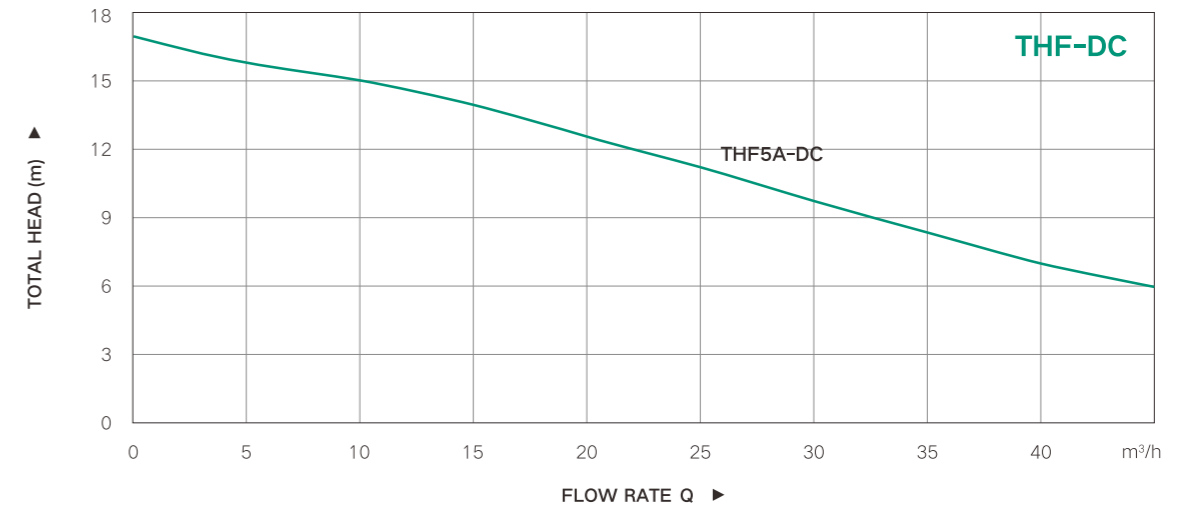
- The pump can be widely used in farmland irrigation, sprinkler irrigation, garden spray irrigation, vegetable greenhouses and aquaculture water supply.

Package Dimensions



Model	L	W	H
	mm	mm	mm
THF5A-DC	515	25	29,5
Controller	360	205	150

Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size
	V	W	m³/h	m	In
THF5A-DC	150	1500	45	17	3"x3"

Performance Chart

Model	Q(m³/h)	0	5	10	15	20	25	30	35	40	45
THF5A-DC	H(m)	17	16	15	14	12,5	11	10	8	7	6

TSSP

Swimming Pool Solar Pump

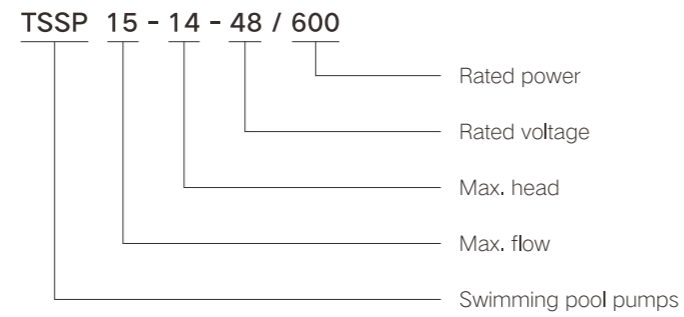


Controller



New design For selection

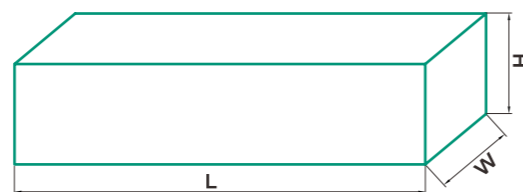
Model Description



Working Conditions

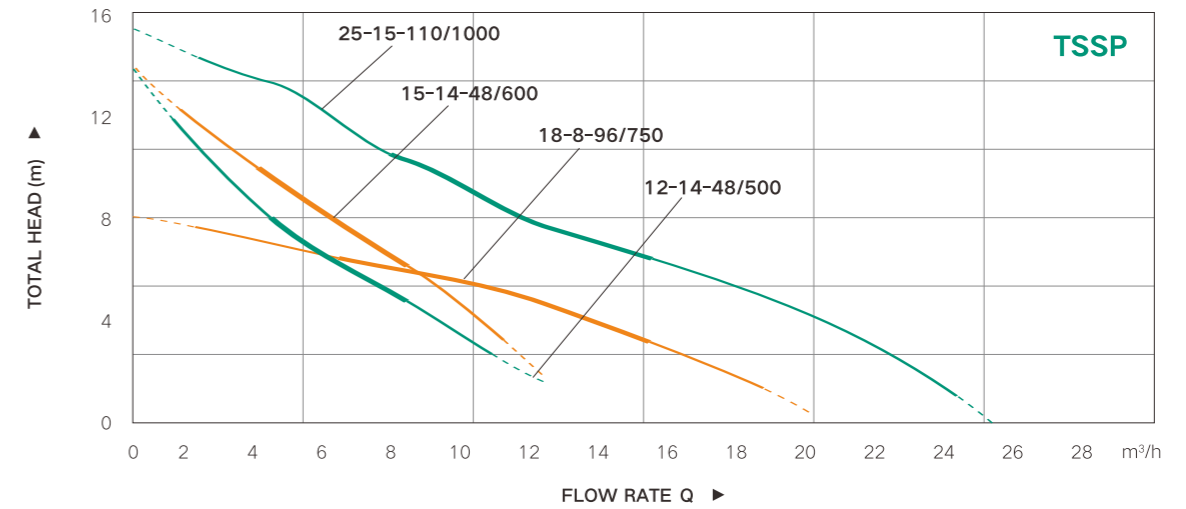
- Self-suction height: 8.0m
- Max. casing pressure: 2.5 bar
- Max. water temperature: +60°C

Package Dimensions



Model	L	W	H
	mm	mm	mm
TSSP12-14-48/500	565	370	340
TSSP15-14-48/600	565	370	340
TSSP18-8-96/750	880	310	450
TSSP25-15-110/1000	880	310	450

Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Inlet/outlet
	V	W	m³/h	m	In
TSSP12-14-48/500	48	500	12	14	2"x2"
TSSP15-14-48/600	48	600	15	14	2"x2"
TSSP18-8-96/750	96	750	18	8	3"x3"
TSSP25-15-110/1000	110	1000	25	15	3"x3"

Performance Chart

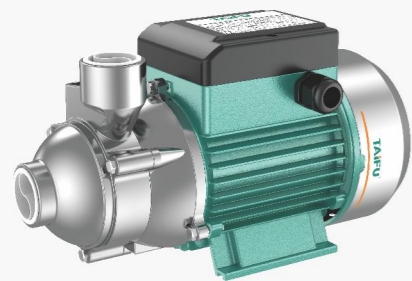
Model	Q(m³/h)	0	4	8	12	16	20	24
TSSP12-14-48/500	H(m)	14	8	5	2	-	-	-
TSSP15-14-48/600		14	10	6	2	-	-	-
TSSP18-8-96/750		8	7	6	5	3	2	-
TSSP25-15-110/1000		15	13	10	8	6	4	1

TSQB/TSSGJ

Surface Solar Pump



Brass impeller Controller New design For selection



TSQB
Stainless steel pump body/end cover



Stainless steel impeller Controller New design For selection



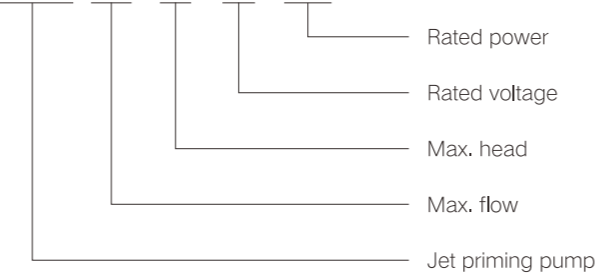
TSSGJ
Stainless steel pump body/end cover

Model Description

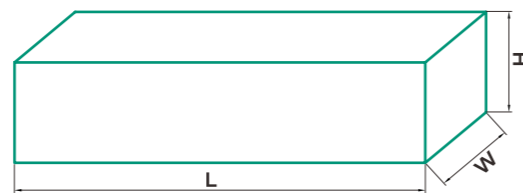
TSQB 3 - 47 - 48 / 500



TSSGJ 3.2 - 35 - 48 / 500

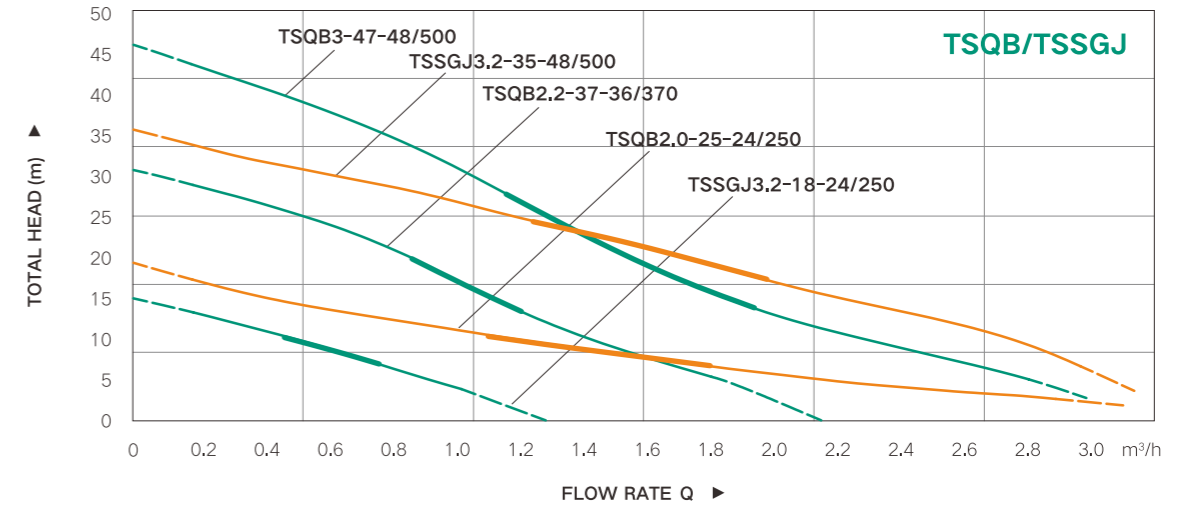


Package Dimensions



Model	L	W	H
	mm	mm	mm
TSQB2.0-25-24/250	470	315	150
TSQB2.2-37-36/370	470	315	150
TSQB3-47-48/500	470	315	150
TSSGJ3.2-18-24/250	400	350	220
TSSGJ3.2-35-48/500	400	350	220

Performance Curve



Technical Data

Model	Voltage	Power	Max flow rate	Max head	Inlet/Outlet
	V	W	m³/h	m	In
TSQB2.0-25-24/250	24	250	2.0	15	1"x1"
TSQB2.2-37-36/370	36	370	2.5	32	1"x1"
TSQB3-47-48/500	48	500	3.3	46	1"x1"
TSSGJ3.2-18-24/250	24	250	3.2	18	1"x1"
TSSGJ3.2-35-48/500	48	500	3.2	35	1"x1"

Performance Chart

Model	Q(m³/h)	0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2
		H(m)								
TSQB2.0-25-24/250		15	12	8	2	-	-	-	-	-
TSQB2.2-37-36/370		32	28	22	12	7	3	-	-	-
TSQB3-47-48/500		46	41	37	25	18	12	-	-	-
TSSGJ3.2-18-24/250		18	14	12	9	7	5	4	3	2
TSSGJ3.2-35-48/500		35	30	27	23	20	16	14	10	2

SOLAR PUMP SYSTEM

The Selection of Solar Panels for Solar Pumps (recommended)

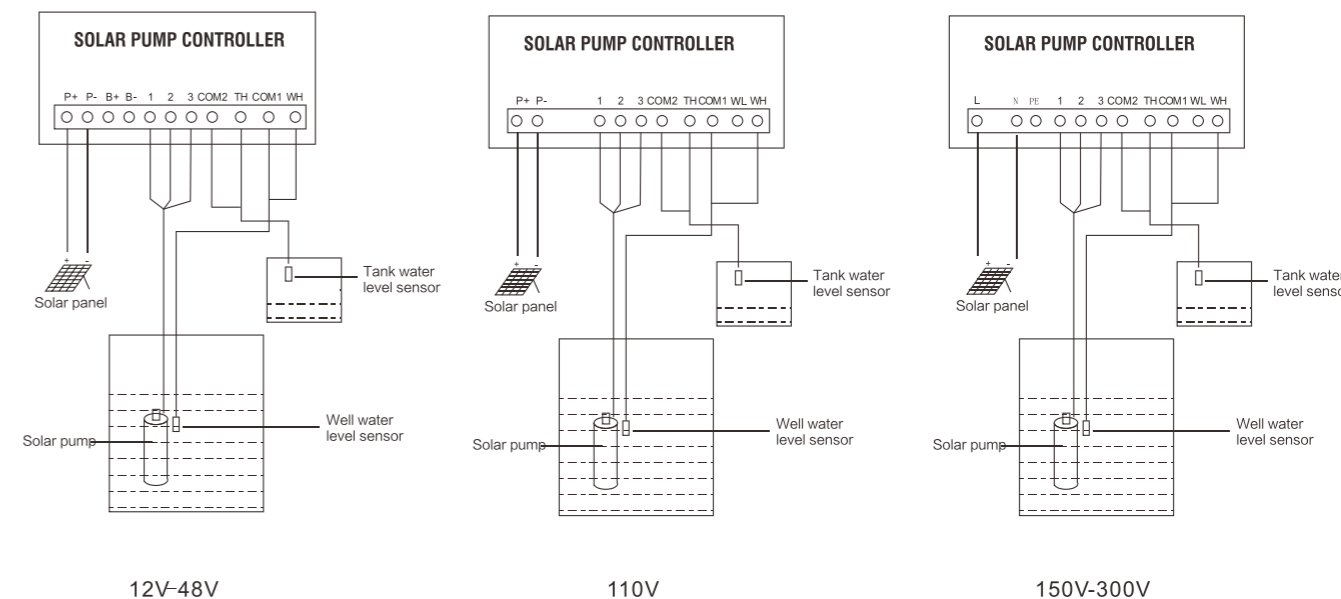
Pump power	Solar panel	Solar panel quantity	Peak voltage VMP	Open circuit voltage VOC	Panel connection
W	W		V	V	
80	120	120W*1	19.5	23.3	
250	360	180W*2	19.49	23.39	2 pieces in series connection directly
370	540	540W*1	42.2	51.9	1 pieces in series connection directly
500	700	350W*2	38.5	46.2	2 pieces in series connection directly
750(Screw pump)	1080	540W*2	42.2	51.9	2 pieces in series connection directly
1000(Plastic impeller & S/S impeller)	1400	350W*4	38.5	46.2	4 pieces in series connection directly
1500	2160	540W*4	42.2	51.9	4 pieces in series connection directly
2200	3240	540W*6	42.2	51.9	6 pieces in series connection directly
3000	4320	540W*8	42.2	51.9	8 pieces in series connection directly

The Selection of Solar Panels for Solar Pumps

Pump voltage	Solar panel	Peak voltage VMP	Open circuit voltage VOC
V	W	V	V
12V	≥1.3XPUMP POWER	≥12	< 50
24V	≥1.3XPUMP POWER	≥24	< 60
36V	≥1.3XPUMP POWER	≥36	< 75
48V	≥1.3XPUMP POWER	≥48	< 95
110V	≥1.5XPUMP POWER	≥110	< 200
150V	≥1.5XPUMP POWER	≥150	< 430
220V	≥1.5XPUMP POWER	≥220	< 430
300V	≥1.5XPUMP POWER	≥300	< 430

The performance information on catalogue is the ex-works testing result for your reference. The exact performance depends on actual situation like sunshine condition / solar panel configuration/solar panel efficiency, etc...the performance difference is allowed.

INSTALLATION GUIDE



! WARNING

- After the pump works 2minutes, the controller will automatically self-test about 30 seconds, and then the pump will restart, this is normal situation.
- Note: If you want the battery fully charged, please choose the battery mode "II" and let the pump stop running at the same time. (There are 2 conditions that the pump will stop as following: 1>The tank was full. 2>Disconnected COM1 & WH terminal.)

WARNING The limited range for open circuit voltage of solar panel:

Model	Rated voltage	Max open circuit voltage	Battery	Max loaded current (A)
A	17.5V	30V	12V	12
B	24V	50V	24V	12
C	36V	80V	36V	12
D	48V	100V	48V	12

3S/4S

Economical Solar Pump



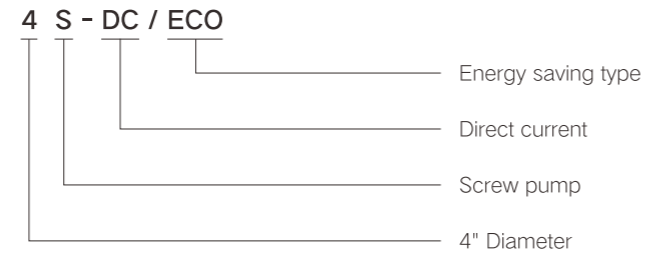
S/S screw
(for replacement)



3S/4S-DC

3S/4S-DC/ECO

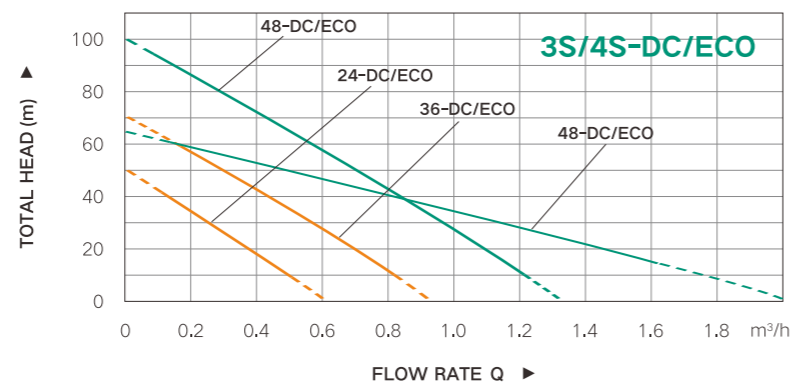
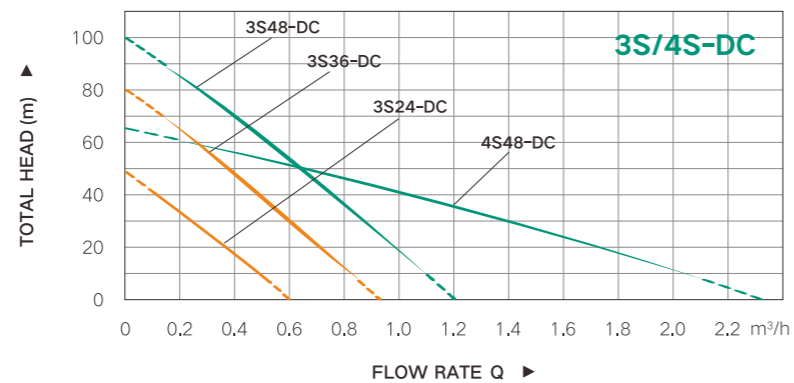
Model Description



Working Conditions

- Permanent magnetic DC brushless motor
- Stainless steel rotor, screw
- Oil filled motor
- Motor efficiency improved by 15%-30%
- Simple structure with internal controller
- Easy installation

Performance Curve

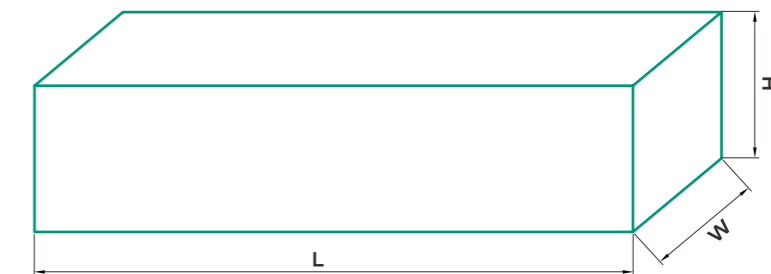


Technical Data

Model	Voltage	Power	Max flow rate	Max head	Outlet size	Diameter
	V	W	m³/h	m	In	In
3S24-DC	24	150	0.6	50	3/4"	3"
3S36-DC	36	270	0.9	80	3/4"	3"
3S48-DC	48	600	1.2	100	3/4"	3"
4S48-DC	48	600	2.3	65	1"	4"

Model	Power	Max flow rate	Max head	Outlet size	Diameter
	W	m³/h	m	In	In
3S24-DC/ECO	150	0.6	50	1"	3"
3S36-DC/ECO	430	0.9	70	1"	3"
3S48-DC/ECO	500	1.3	100	1"	3"
4S48-DC/ECO	700	2	65	1"	4"

Package Dimensions



Model	L	W	H
	mm	mm	mm
3S24-DC	530	130	140
3S36-DC	530	130	140
3S48-DC	530	130	140
4S48-DC	610	130	140
3S24-DC/ECO	530	130	140
3S36-DC/ECO	530	130	140
3S48-DC/ECO	530	130	140
4S48-DC/ECO	610	130	140

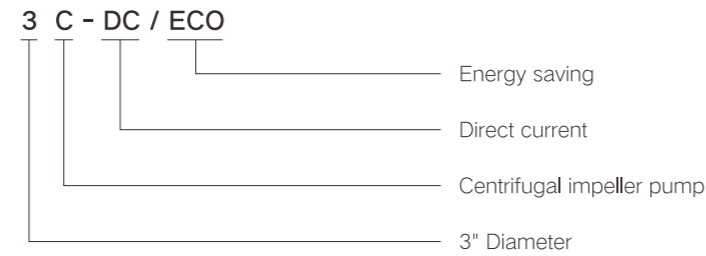
3C/4C

Economical Solar Pump



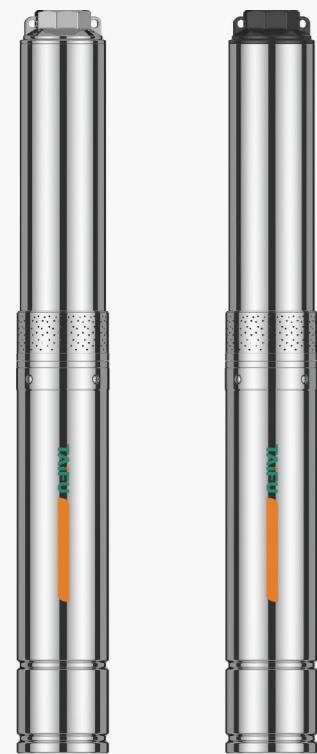
Plastic Impeller

Model Description



Working Conditions

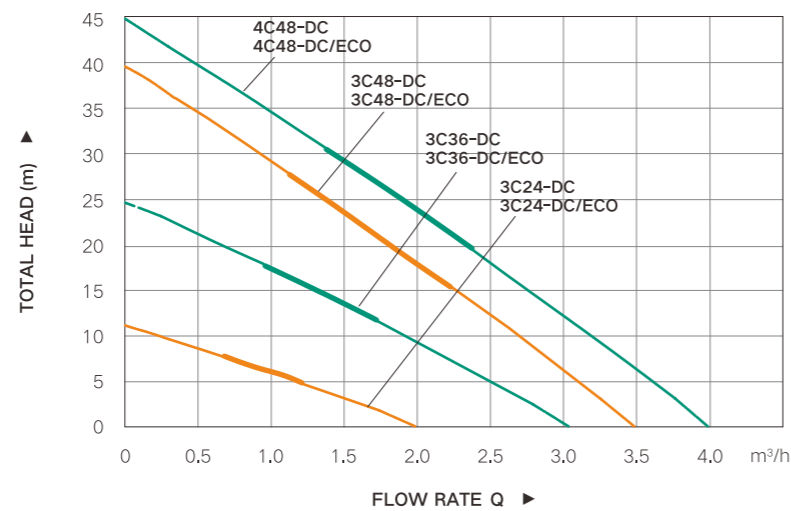
- Permanent magnetic DC brushless motor
- Stainless steel rotor, plastic impeller
- Oil filled motor
- Motor efficiency improved by 15%-30%
- Simple structure with internal controller
- Easy installation



3C/4C-DC

3C/4C-DC/ECO

Performance Curve

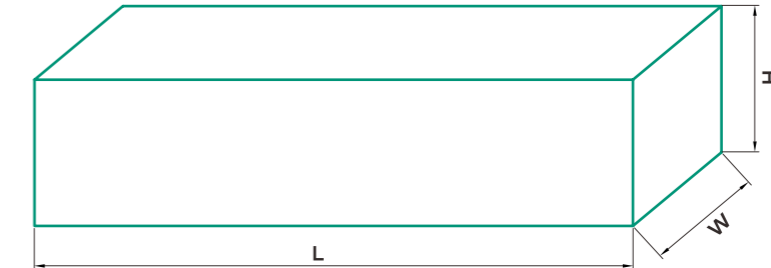


Technical Data

Model	Voltage	Power	Max flow rate	Max Head	Outlet Size	Diameter
	V	W	m³/h	m	In	In
3C24-DC	24	120	2	11	1"	3"
3C36-DC	36	300	3.2	25	1"	3"
3C48-DC	48	600	3.5	40	1"	3"
4C48-DC	48	600	4	45	1.25"	4"

Model	Voltage	Power	Max flow rate	Max Head	Outlet Size	Diameter
	V	W	m³/h	m	In	In
3C24-DC/ECO	24	120	2	11	1"	3"
3C36-DC/ECO	36	300	3.2	25	1"	3"
3C48-DC/ECO	48	600	3.5	40	1"	3"
4C48-DC/ECO	48	600	4	45	1.25"	4"

Package Dimensions



Model	L	W	H
	mm	mm	mm
3C24-DC	860	130	140
3C36-DC	860	130	140
3C48-DC	860	130	140
4C48-DC	860	130	140
3C24-DC/ECO	860	130	140
3C36-DC/ECO	860	130	140
3C48-DC/ECO	860	130	140
4C48-DC/ECO	860	130	140

QB-DC

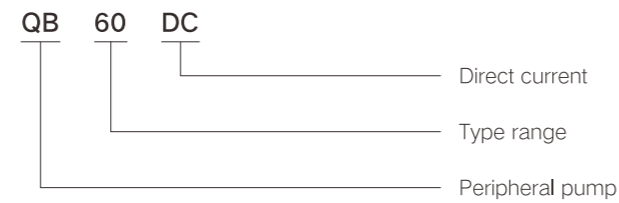
Economical Solar Pump



MC4 Connector For Easy Panel Connecting



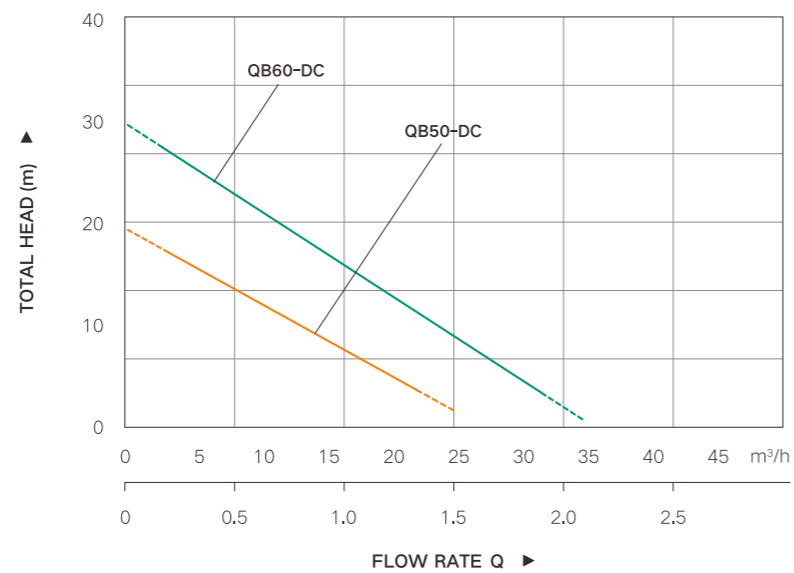
Model Description



Advantages & Features

- Permanent magnetic DC brushless
- Motor electrophoresis for motor and pump body
- Silicon carbide mechanical seal
- Motor efficiency improved by 15%-30%

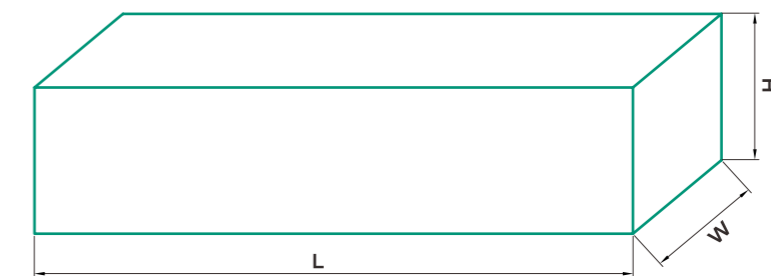
Performance Curve



Technical Data

Model	DC Voltage	Power	Max flow rate	Max head	Inlet size
	V	W	m³/h	m	In
QB50-DC	12	220	1.5	20	1"x1"
QB60-DC	24	370	2.1	30	1"x1"

Package Dimensions



Model	L	W	H
	mm	mm	mm
QB50-DC	275	165	175
QB60-DC	275	165	175

QFD/QSD

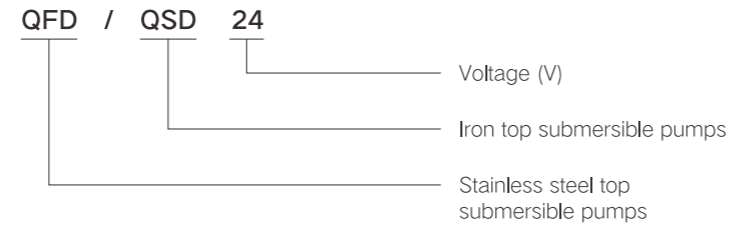
Economical Solar Pump



MC4 Connector For Easy Panel Connecting



Model Description



Advantages & Features

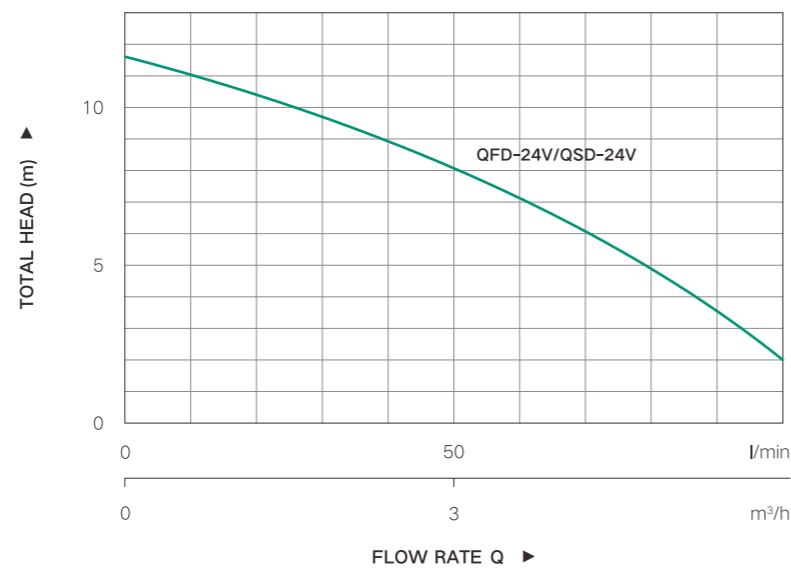
- Dry running protection
- Jam up protection
- Humidity protection
- Over-voltage and under-voltage protection function

Application

The pump can work continuously under the following operating conditions.

- The medium temperature shall not exceed +40°C
- The PH value of the medium is between 6.5 and 8.5
- The maximum sediment concentration is 0.1% and the maximum particle can be passed no more than 0.2mm
- The submerge depth shall be no less than 0.5m and no more than 5m

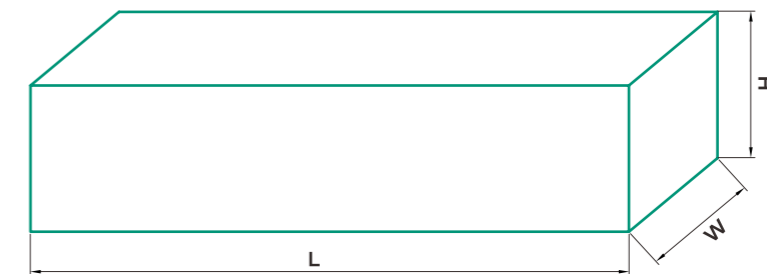
Performance Curve



Technical Data

Model	Output Power		Outlet	Qmax	Hmax	Q(m³/h)	0	3	6
	kW	HP	In	m³/h	m	Q(l/min)	0	50	100
QFD-24V	0,22	0,3	1,25"	6	11,5	H(m)	11,5	8	2
QSD-24V	0,22	0,3	1,25"	6	11,5		11,5	8	2

Package Dimensions



Model	L	W	H
	mm	mm	mm
QFD-24V	465	265	200
QSD-24V	465	265	200

KUAFU

Solar powered plunger pump

Model Description



Working Conditions

- a. Ambient temperature: 5°C~+40°C
- b. Medium temperature: 0°C~+40°C
- c. The PH of the medium is between 6.5-8.5
- d. The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm.

Advantages & Features

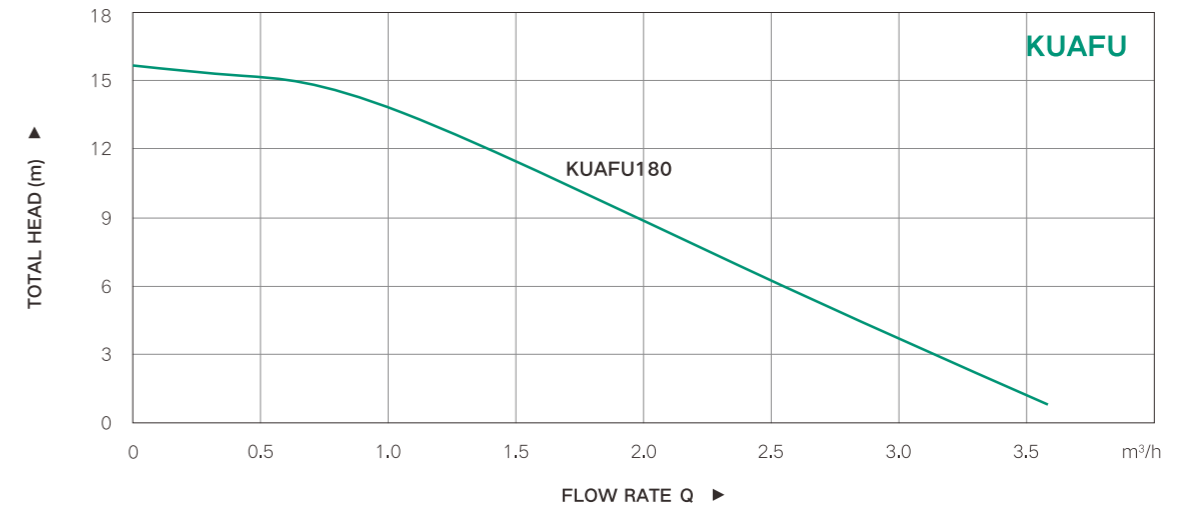
- Compact structure, small size, light weight, low power consumption.
- DC permanent magnetism brushless motor, energy saving, high efficiency, long useful life.
- The controller is sealed by glue, the motor is waterproof and isolated, and the protection class is IP54.
- Wide voltage application, applicable to 13-60V wide voltage conditions.
- Water shortage protection, idling protection, blocking protection, stuck protection.
- Belt drive structure, running more stable and reliable.
- Disassembly structure, convenient maintenance and replace wearing parts.

Application

Small farm irrigation, outdoor breeding, planting mobile water supply, etc.



Performance Curve



Technical Data

Model	Voltage	Max. Power	Max. Flow	Max. Head	Max. Suction
	V	W	m³/h	m	m
KUAFU180	13-60	180	3.6	15	8

Dimensions

