WE ARE COMMITTED TO A COMPREHENSIVE SOLUTION FOR PROJECT WATER

KELIANG 科良

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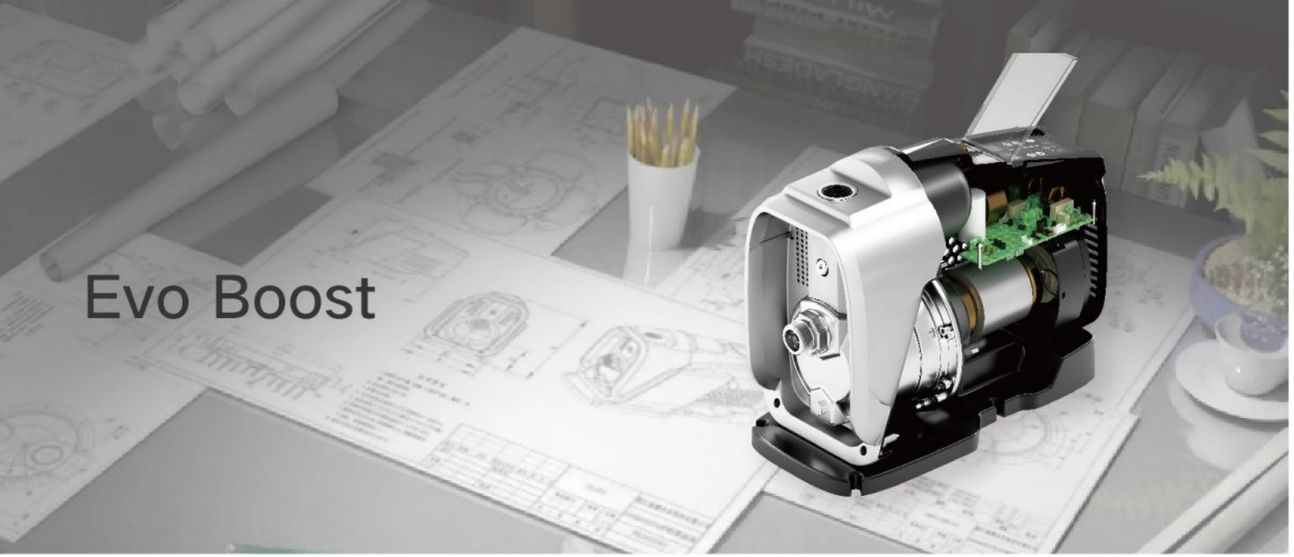
WATER PUMP BRAND SELECTED BY 50 MILLION USERS WORLDWIDE



Evo Boost Series

Permanent magnet frequency conversion multi-stage self-priming centrifugal pump

EVO BOOST is a permanent magnet frequency converted multi-stage self priming centrifugal pump.



CONSTRUCTION

●Multi-stage, centrifugal, permanent magnet driven motor, variable speed pump with a plug and play solution

●Pump body made of thickened stainless steel material which is corrossion resistant

●Microcomputer control system automatically detect and control the motor to keep always constant pressure by changing frequecy

APPLICATIONS

●For water supply systems domestic and commercial use for garden and irrigation

FEATURES

●Integrated frequency converter

●Built-in pressure vessel

●High efficiency permanent magnet driven motor

●Motor power / voltage control

● Programmable menu

●Monitoring pressure and current

MATERIALS

●Stainless steel pump body, PPO impeller, carbon-ceramic-NBR mechanical seal

PROTECTIONS

●Dry run protection

●Overland control and overheating motor control

●Power supply control

● Pump clockage prevention

●Stop delay function

●Detects small leakages in system

OPERATING CONDITIO NS

●Liquid temperature: 0 ° Cto 75 ° C

●Ambient temperature: 50 ° C

●Max. casing temperature: 10 bar

●Suction lift: up to 8m

MOTOR

●Variable speed motor

● Max. speed: 5200 rpm

● Frequency: 50 Hz/ 60 Hz

● Voltage: 165 - 260 V

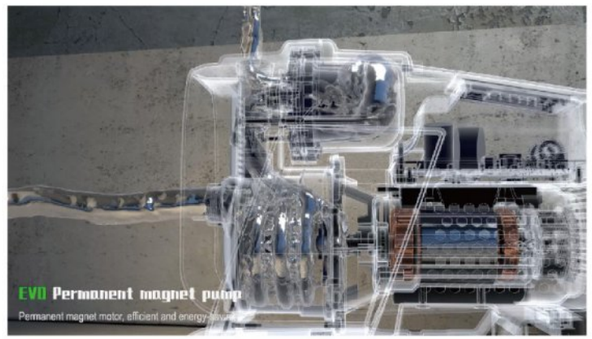
●Insulation class: F

●Protection: IPX5

●Constructed in accordance with EN60034-1; EN60335-1, EN60335-2-41

Product Features







Low Noise Supercharge High Efficiency, Low Noise

Energy Savingandenvironmentalprotection Energy Saving And Power Saving, Excellent And Efficient

SUPER SILENT

Unique fluid noise reduction technology, efficient and silent permanent magnet motor technology. Greatly reduce the working noise of the pump to a minimum30-50 decibels.

CONVENIENT DISASSEMBLY

Without the need to disassemble the pipeline, the four screws on the casing can Be removed for maintenance and repair.

MULTIPLE PROTECTIONS

Ipx5 protection level ensures the safe operation of the water pump outdoors, including leakage warning, Water shortage protection, voltage protection, and temperature control Provide users with a safer and more reliable water experience.

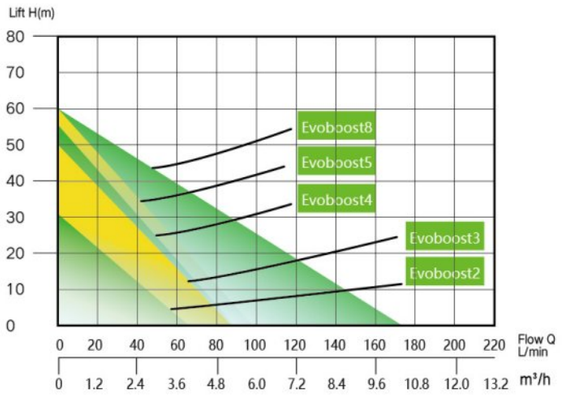
- Head remains unchanged, flow rate doubles
- Interactive use, one pump and one backup
- Adapt to multiple scenarios

Evo Boost

PERMANENT MAGNET FREQUENCY
CONVERSION MULTI-STAGE
SELF-PRIMING CENTRIFUGAL PUMP



Curve diagram



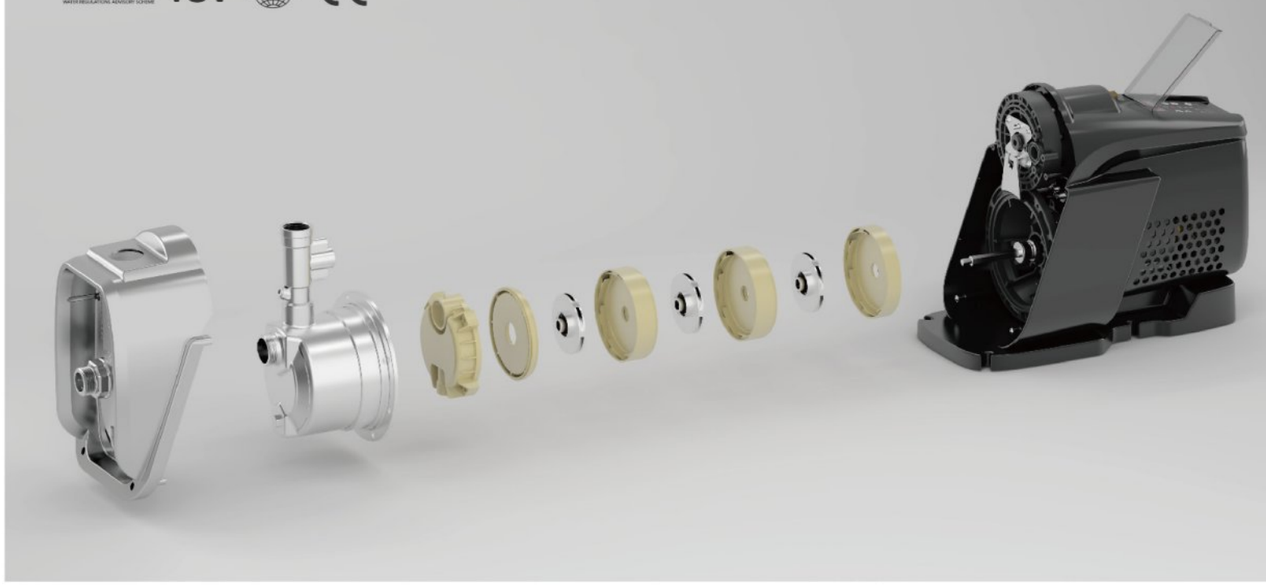
30 db	50 db	60 db	70 db
The sound of flowers blooming	Running sound of EVOLIA	Normal conversation	The sound of the range hood

Parameter

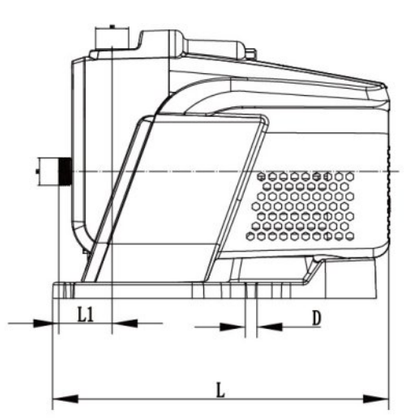
Model	Evoboost2	Evoboost3	Evoboost4	Evoboost5	Evoboost8
Voltage	165-260V	165-260V	165-260V	165-260V	165-260V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power	370W	550W	750W	900W	1100W
Water temperature range	0-75℃	0-75℃	0-75℃	0-75℃	0-75℃
Ambient temperature	0-50℃	0-50℃	0-50℃	0-50℃	0-50℃
Pressure adjustment range	1.5-4.5bar	1.5-5.0bar	1.5-5.5bar	1.5-6.0bar	1.5-6.0bar
Max.flow	4.0m³/h	5.2m³/h	5.6m³/h	6.0m³/h	12m³/h
Max.lift	32m	48m	55m	60m	60m
Rated.flow	1.5m³/h	3.0m³/h	3.0m³/h	3.0m³/h	6.0m³/h
Rated.lift	20m	24m	28m	38m	28m
Max.suction	8m	8m	8m	8m	8m

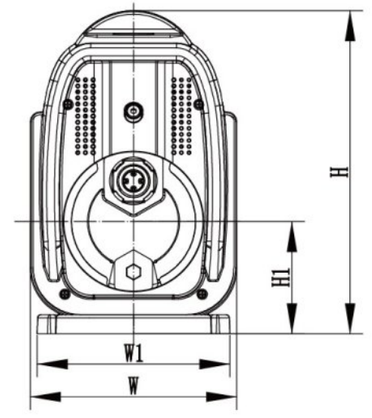
Quality certification

WRAS TÜV ISO CE



Dimensional Drawings





Model	DN1	DN2	L(mm)	L1(mm)	W(mm)	W1(mm)	H(mm)	H1(mm)	D
Evoboost2/Evoboost3	1″	1″	360	61	184	171	290	95	12
Evoboost4/Evoboost5	1″	1″	400	64	204	190	320	110	12
Evoboost8	1-1/4″	1-1/4″	436	107	204	190	320	110	12

Eco Boost Series

Permanent magnet frequency conversion multi-stage self-priming centrifugal pump



FEATURES

- Integrated frequency converter
- Built-in pressure vessel
- High efficiency permanent magnet driven motor
- Motor power / voltage control
- Programmable menu
- Monitoring pressure and current

OPERATING CONDITIONS

- Liquid temperature: 0 ° C to 75 ° C
- Ambient temperature: 50 ° C
- Max. casing temperature: 10 bar
- Suction lift: up to 8m

Corrosion Resistant

Automatic Start-stop

Insulator

Feature Showcase





CONSTRUCTION

- Multi-stage, centrifugal, permanent magnet driven motor, variable speed pump with a plug and play solution
- Pump body made of thickened stainless steel material which is corrossion resistant
- Microcomputer control system automatically detect and control the motor to keep always constant pressure by changing frequecy

PROTECTIONS

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- Overland control and overheating motor control
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APPLICATIONS

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MATERIALS

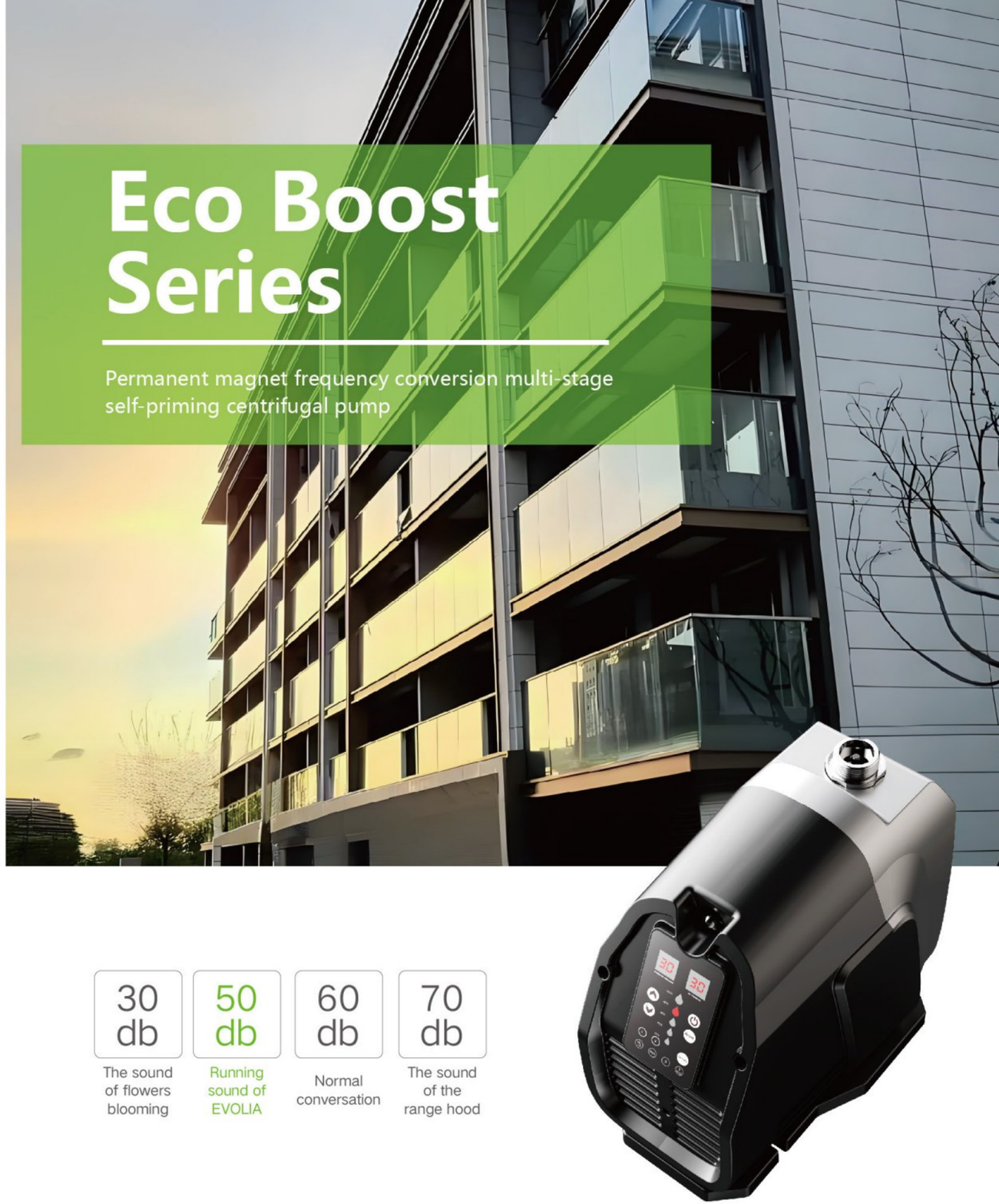
- Stainless steel pump body, PPO impeller, carbon-ceramic-NBR mechanical seal

MOTOR

- Variable speed motor
- Max. speed: 5200 rpm
- Frequency: 50 Hz/ 60 Hz
- Voltage: 165 - 260 V
- Insulation class: F
- Protection: IPX5
- Constructed in accordance with EN60034-1; EN60335-1, EN60335-2-41

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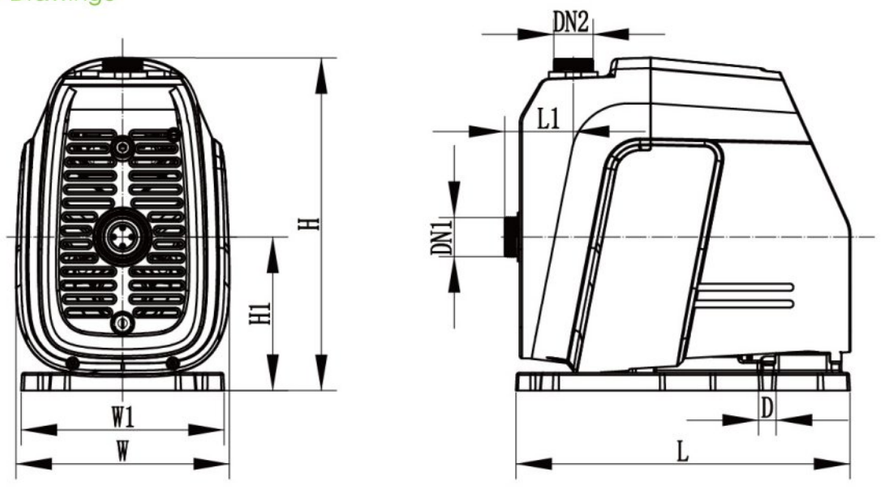
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Dimensional Drawings



Mode1	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	D
ECOBOOT	1 ”	1 ”	280	58	180	170	280	129	10

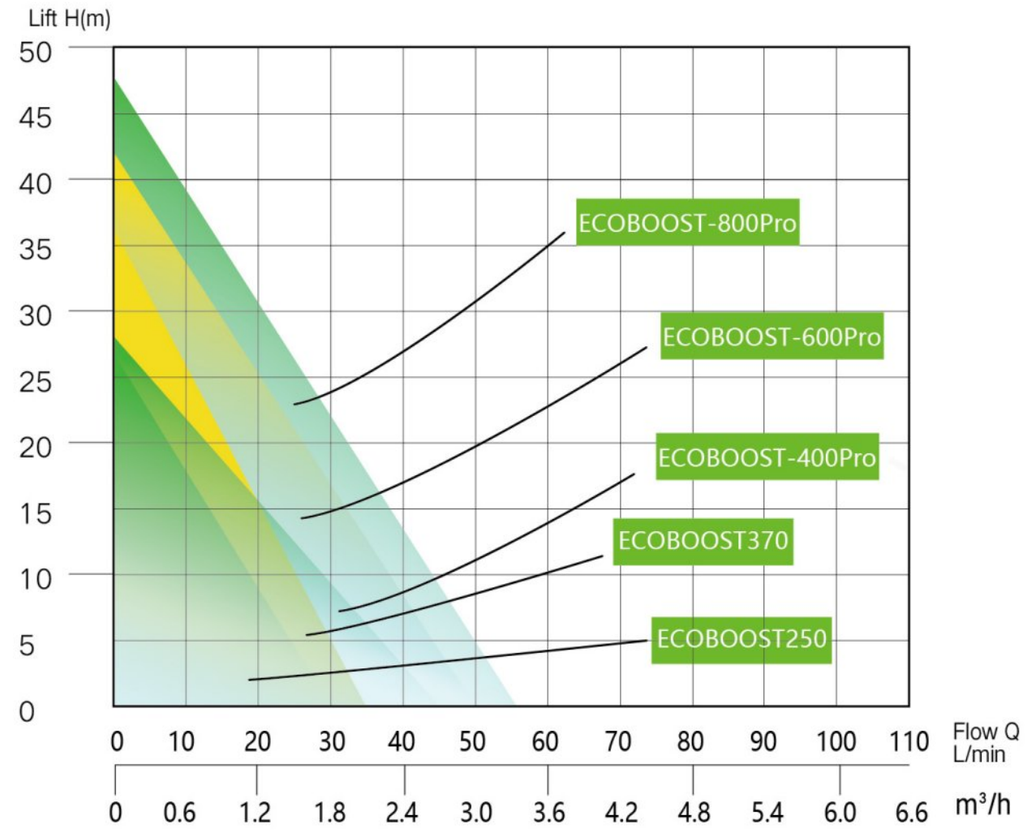

WATER BOOSTING


GARDENING & IRRIGATION


RAIN WATER REUSE


GROUND WATER

Curve diagram



Parameter

Model	ECOBOOST250	ECOBOOST370	ECOBOOST-400Pro	ECOBOOST-600Pro	ECOBOOST-800Pro
Voltage	180-220V/	180-220V/	165-260V/	165-260V/	165-260V/
Frequency	50Hz	50Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power	250W	370W	400W	600W	800W
Rated.flow	1.2m³/h	1.2m³/h	1.5m³/h	2m³/h	2m³/h
Rated.lift	12m	17m	16 m	25m	30m
Max.flow	1.8m³/h	2.1m³/h	2.6m³/h	3m³/h	3.3m³/h
Max.lift	26m	36m	28m	42m	48m
Maximum suction lift	8m	8m	8m	8m	8m
Isolation	F	F	F	F	F

High-quality Centrifugal Pump

High quality/new development/high cost-effective

A centrifugal pump is a mechanical device that uses the centrifugal force generated by the rotation of an impeller to transport liquids. Its working principle is simple and efficient. By driving the impeller to rotate rapidly through a motor, the liquid obtains energy at the center of the impeller and is thrown around along the inter blade channel, forming a high-pressure zone, which then pushes the liquid towards the outlet pipeline, achieving continuous transportation.

Double impeller centrifugal pump

Application

·Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
·Suitable for industrial use and urban water supply.pressure bocsting for high buildings and fire fighting, garden irrigation.long-distance water transfer, heating ventilation and airconditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

·Cast iron pump body and support under special anti-fust treatment·AISI 304 shaft
·Max. liquid temperature:+60℃
·Max. suction: +8m

Motor

·Low noise&Long life bearing
·Motor with copper winding
·Built-in thermal protector for single phase motor
·Insulation class: F
·Protection class: IPX4
·Max.ambient temperature:+50℃
·IE 2 motor (Three phase,power≥0.75Kw)

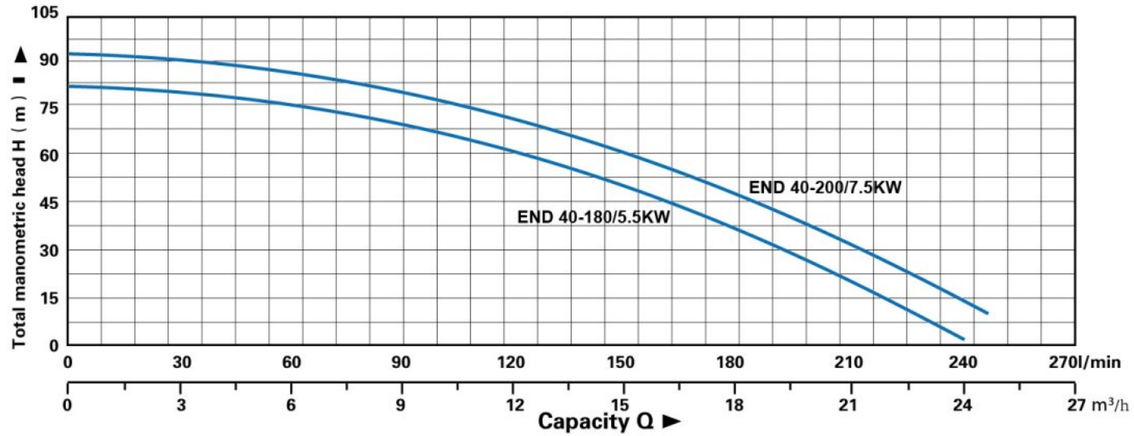


High-quality Centrifugal Pump

- Low noise design for quieter operation sound.
- Portable disassembly and assembly design makes maintenance more convenient.
- Ultra wear-resistant operating components with longer service life.



Hydraulic Performance Curves



Parameter

Model	END 40-180/5.5KW	END 40-200/7.5KW
Voltage	380-415V	380-415V
Frequency	50Hz	50Hz
Power	7.5KW	7.5KW
Current	10A	13.5A
Rated.flow	12m³/h	12m³/h
Rated.lift	62m	75m
Max.flow	23m³/h	25m³/h
Max.lift	81m	93m
Ambient temperature	0-40℃	0-40℃
Liquid temperature	0-100℃	0-100℃

JET series
High pressure jet pump

High quality/new development/high cost-effective

JET series high pressure JET pump adopts stainless steel impeller, composite guide vane, the unique structure of the injection pipe, its principle is to cause the vacuum pressure of water through the nozzle first, and then to low water liquid suction pump imported by the booster pump discharge, has a strong self-priming function.

Operating Limits

The liquid temperature is as high as 80℃
The ambient temperature is as high as 40℃

Motor

Two-Pole induction motor
Insulation : Class F
Protection: IPX4
Continuous service:S1
Single-phase: 110-240V/50/60Hz
Continuous duty

Material

Pump body: Cast iron
Pump connector: Cast iron
Impeller:PP0
Mechanical seal: Ceramic /Graphite/NBR

Applications

Well water lifting and tower water filing
Living water supply.garden irrigation and water sprinkler system
Pipeline pressure boosting and supporting equipment
Transfer clean water or non-corrosive liquid without solid particles and fibers



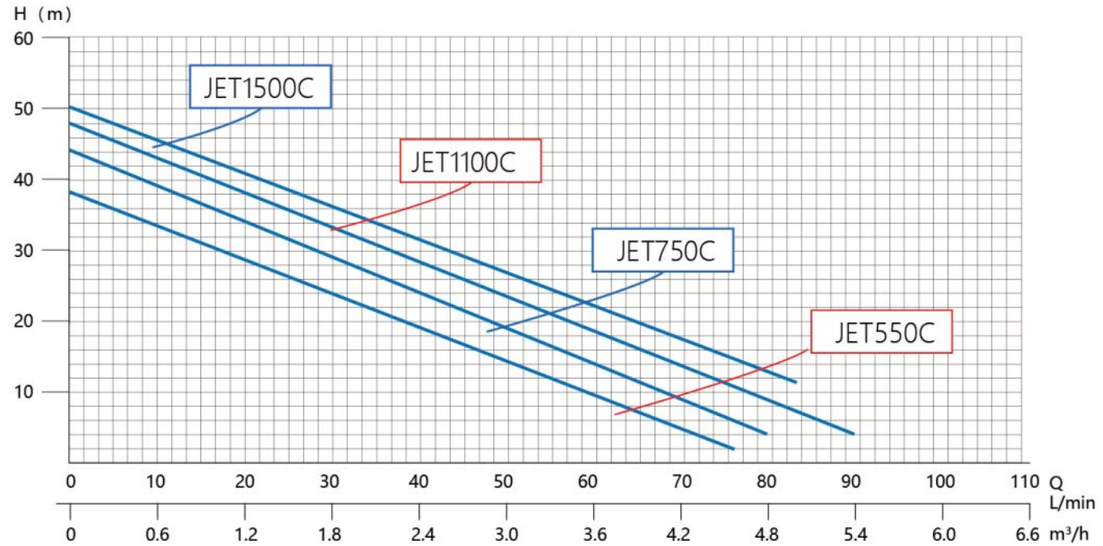
Types of meaning:

JET 550 C

- 550 — Water pump input power (W)
- JET — Water pump series code



Hydraulic Performance Curves



Product parameters

Model	Voltage (V)	Power (kW)	Max.Flow (m³/h)	Max.Head (m)	Rated flow (m³/h)	Rated head (m)	Piping (mm)	Maximum suction (m)
JET550C	220V	0.55kw	4.0m³/h	36m	2.5m³/h	20m	25m	9.8m
JET750C	220V	0.75kw	4.0m³/h	42m	2.5m³/h	25m	25m	9.8m
JET1100C	220V	1.1kw	4.3m³/h	46m	2.5m³/h	30m	25m	9.8m
JET1500C	220V	1.5kw	4.0m³/h	52m	3.5m³/h	35m	25m	9.8m

JET series
Stainless steel jet pump

High quality/new development/high cost-effective

JET series stainless steel JET pump is suitable for various senior club, bar, hotel and other large public places, auxiliary solve the problem of public water supply, perfect control function, easy operation, high reliability, high quality.

Operating Limits

Max. liquid temperature: 50℃
Max. ambient temperature: 40℃

Motor

Two-Pole induction motor
Insulation Class F
Protection IPX5
Continuous duty

Material

Pump Body: AISI 304 Stainless steel
Impeller: Stainless Steel / Plastic
Motor Shaft: Stainless Steel
Mechanical Seal: Ceramic/ Graphite/NBR

Applications

Pumping and distribution of water in domestic systems used on a continuous or intermittent basis.
Booster systems
Washing systems, garden irrigation, fountains
Pumping from wells or tanks



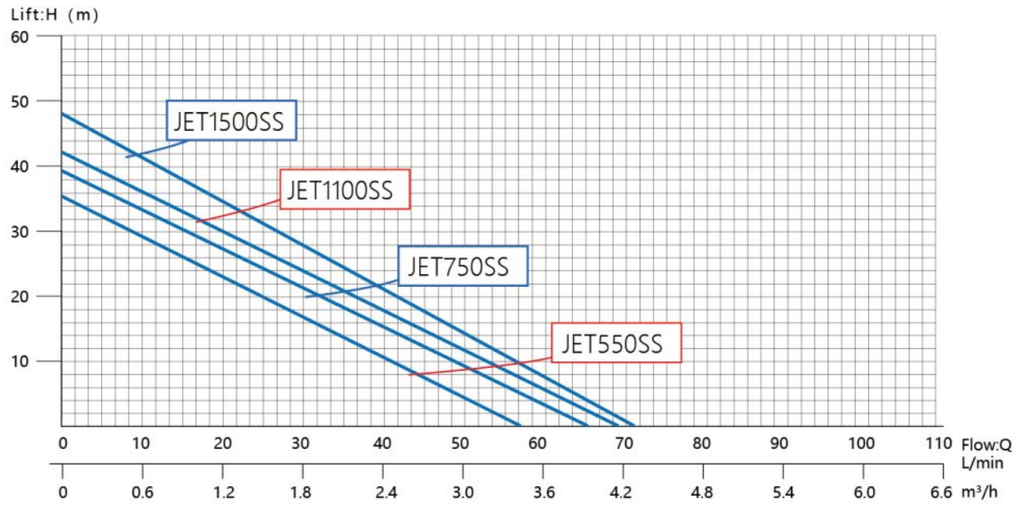
Types of meaning:

JET 550 SS

- 550 — Water pump input power (W)
- JET — Water pump series code



Hydraulic Performance Curves



Product parameters

Model	Voltage (V)	Power (kW)	Max.Flow (m³/h)	Max.Head (m)	Rated flow (m³/h)	Rated head (m)	Piping (mm)	Maximum suction (m)
JET550SS	220V	0.55kw	3.9m³/h	36m	3m³/h	16m	25m	9.8m
JET750SS	220V	0.75kw	3.9m³/h	38.5m	3m³/h	19.5m	25m	9.8m
JET1100SS	220V	1.1kw	4.0m³/h	42.5m	3m³/h	22m	25m	9.8m
JET1500SS	220V	1.5kw	4.2m³/h	49m	3m³/h	25m	25m	9.8m

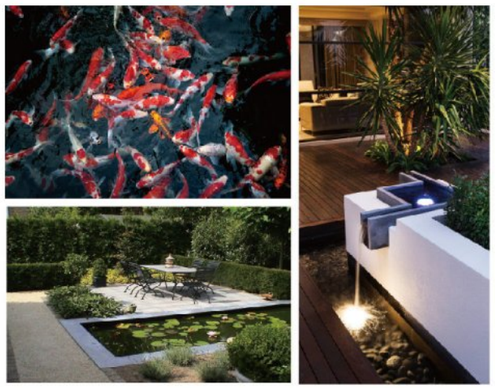


鯉池ポンプ
KOI FISH POND PUMP

SUPER SUCTION WIDE VOLTAGE EASY OPERATION

Koi Fish Pond PUMP

In aquaculture,water pumps can help regulate water quality andoxygen content, thereby maintaining the cleanliness and suitability ofthe water body. Through the circulation of the water pump, dirt andwaste in the water can be removed, and the oxygen content in the watercan also be increased



Model

50KP-150M 50KP-150A
50KP-400M 50KP-400A
M: Represents no floating bal
A: Representing a floating ball

Character

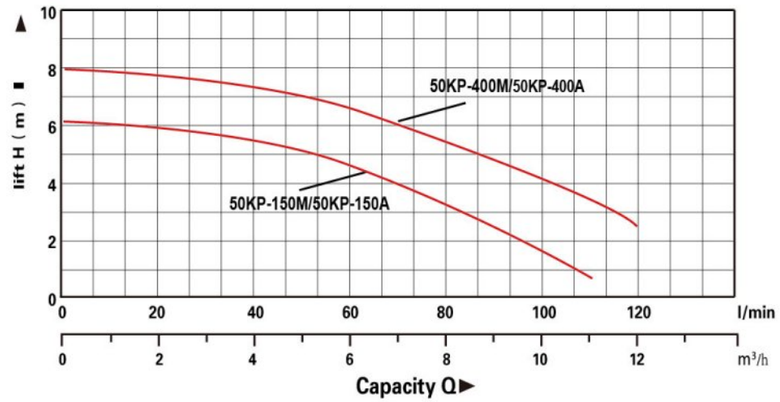
With Italian double mechanical seal
316SS shaft, heat resistant material, special engineering-plastics
Equipped with imported overheating protection deviceL-arge flow,small power, power saving,maximum passing-particle 25 or 35mm

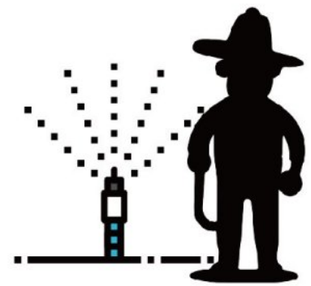
Technical Data

Model	Power		Q	m³/h	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Single Phase	W	HP		l/min	0	16	33	50	66	83	100	116	133	150	166	183	200	216
50KP-150M	150	0.2	H (m)		6	5.9	5.8	5.2	5	4.7	4.3	4.9	3.7	2.8	1.8	1.4		
50KP-150A	150	0.2			6	5.9	5.8	5.2	5	4.7	4.3	4.9	3.7	2.8	1.8	1.4		
50KP-400M	400	0.53			8	7.7	7.4	7.1	6.7	6.3	6	6	5.3	5	4.5	4.8	3.3	
50KP-400A	400	0.53			8	7.7	7.4	7.1	6.7	6.3	6	6	5.3	5	4.5	4.8	3.3	



Hydraulic Performance Curves





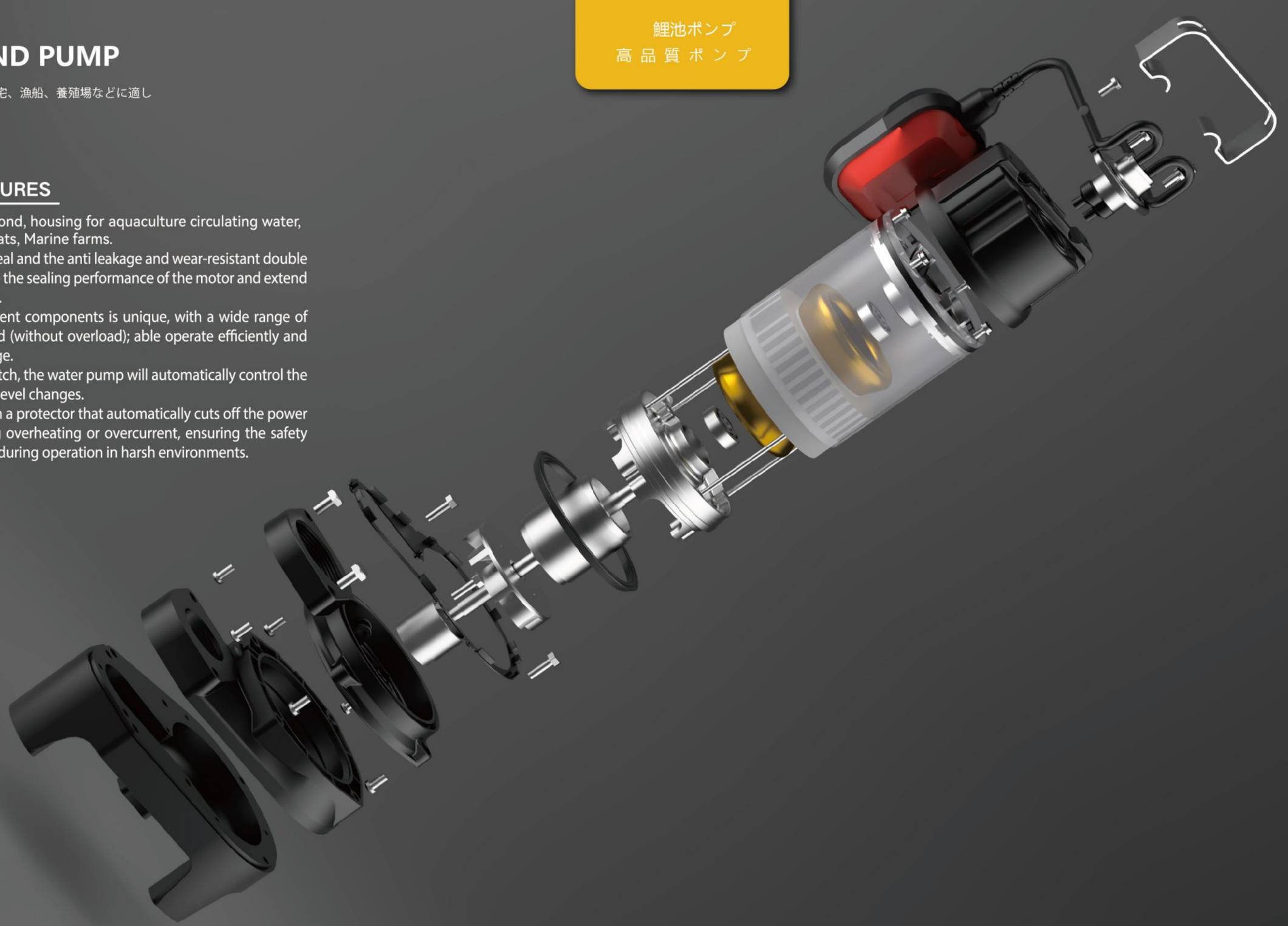
KOI FISH POND PUMP

工場、養魚池、養殖循環水の住宅、漁船、養殖場などに適し
ています。

鯉池ポンプ
高 品 質 ポ ン プ

PRODUCT FEATURES

Suitable for factory, fish pond, housing for aquaculture circulating water, andsuitable for fishing boats, Marine farms.
The anti sand skeleton oil seal and the anti leakage and wear-resistant double end mechanical seal ensure the sealing performance of the motor and extend the service life of the pump.
The design of the overcurrent components is unique, with a wide range of efficient areas and full head (without overload); able operate efficiently and safely with a large flow range.
If equipped with a float switch, the water pump will automatically control the start and stop as the liquid level changes.
The motor is equipped with a protector that automatically cuts off the power supply when encountering overheating or overcurrent, ensuring the safety and reliability of the pump during operation in harsh environments.





Submersible Sewage Pumps

Cutting Model **KPC SERIES**

Application

- Farm Irrigation
- Building sewage
- Domestic Sewage
- Water Discharge
- Landscape Fountain
- Wastewater Treatment
- Sprinkler Irrigation
- Aquaculture

City sewage | Domestic sewage | River sewage | Manure Wastewate

Product Description

- Stainless steel material
  AIS1304 Handle
  Stainless steel shell
  Ergonomic handleComfortable for your handling
  Compact structure designRust-proof and durable

- Copper winding motor
  High efficiency, strong power
  Cold rolled steel sheet, low temperature rise, long service life
  Standard thermalprotector for single-phase motors
  Insulation class: F

- Cable fixing Design
  Better fixing effect, effectively prevent the cable from being pulled out
  Good waterproof
  Float switch optional

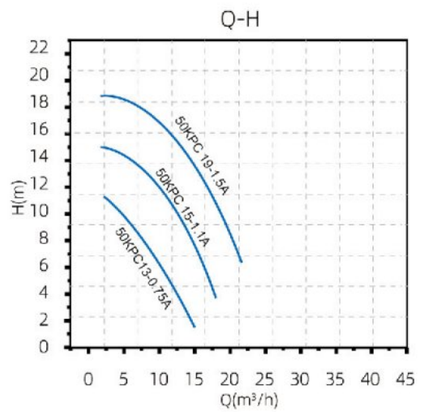
- Connection structure
  The new connection design, secured by rivets and screws, more reliable
  There are threads in the rivets for easy disassembly and maintenance

- Exhaust valve design
  Effectively solve the problem of no water or small flow of water caused by the undischarged air in the pump

- Cutting mechanism
  Reliable cutting blade



Performance curve



Parameter

Model	Power		Voltage/Frequency	Outlet	Q.Max	H.Max	Max.dia. of praticle
	kW	HP	V/Hz		m³/h	m	mm
50KPC13-0.75A	0.75	1.0	240/50	G2	15	13	/
50KPC 15-1.1A	1.1	1.5	240/50	G2	18	15.5	/
50KPC 19-1.5A	1.5	2.0	240/50	G2	21	19.5	/

Insulation class:F **Protection class:IPX8**

潜在的な下水ポンプ
高品質ポンプ



Submersible Sewage Pumps

Cutting Model **KPC SERIES**

Super strong cutting



City Sewage

Domestic Sewage

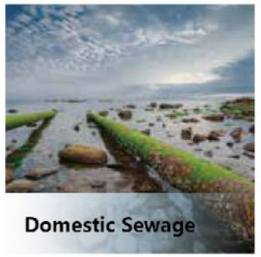
River Sewage

Manure Wastewater

Application


Farm Irrigation


Building Sewage


Domestic Sewage


Water Discharge


Landscape Fountain


Wastewater Treatment


Sprinkler Irrigation


Aquaculture

Product Description

01.Stainless steel material
02.Copper winding motor
03.Cable fixing Design
04.Connection structure
05.Anti-rust process
06.Exhaust valve design
07.Cutting mechanism


High efficiency
spiral cutting impeller
Powerful cutting


Fixed cutting blade
high hardness
high wear resistance
prevent blockage and winding



Solve All Your Problems By One Pump

WQD、WQ

SEWAGE SUBMERSIBLE PUMPS

Function and Feature

The WQ series submersible sewage electric pump consists of three parts: water pump, mechanical seal, and motor. The motor is located at the upper part of the water pump, and is divided into single-phase and three-phase asynchronous motors. A single-sided mechanical seal is used between the water pump and the motor, and an "O" -shaped corrosion-resistant rubber seal ring is used as the static seal at each fixed sealing point. The high-strength mechanical seal is a patented anti silt mechanical seal applied by our company. The shaft of the water pump is made of super alloy or stainless steel material, which ensures reliable strength and certain corrosion resistance of the product.

The advantages of WQD are that the pump has a small volume, light weight, and low energy consumption. This pump is particularly suitable for transporting industrial wastewater, domestic wastewater, edible liquids, general corrosive liquids, medical solutions, electroplating, aquaculture, etc.

Function and Feature

1. The medium temperature shall not exceed 50 ℃ (for ordinary motors).
2. The medium density is 1.0-1.3kg/m^3, and the pH value refers to 3-14.

Product application

1. Treatment of factory wastewater, seawater, and general domestic wastewater.
2. Chemical treatment: sulfuric acid, hydrochloric acid, nitric acid.
3. The Sewage treatment system of sewage treatment plant.
4. The Sewage treatment system of urban sewage treatment plants.
5. The sewage discharge of the Hospital.

Model explanation

65 WQ / F 30 - 18 - 3

- Power (KW)
- Head (m)
- Flow (m^3/h)
- anti-corrosion
- Sewage Submersible Pumps
- Pipe (mm)



CORROSION-RESISTANT
PUMPS

stainless steel sewage submersible pump

model	caliber (mm/in)	Voltage (V)	speed (r/min)	flow (m^3/h)	lift (m)	power (kw)
50WQD/F8-14-0.75	50/2	220/380	3000	8	14	0.75
50WQD/F22-6-0.75	50/2	220/380	3000	22	6	0.75
50WQD/F10-16-1.1	50/2	220/380	3000	10	16	1.1
50WQD/F26-9-1.1	50/2	220/380	3000	26	9	1.1
50WQD/F10-20-1.5	50/2	220/380	3000	10	20	1.5
65WQD/F30-10-1.5	65/2.5	220/380	3000	30	10	1.5
50WQ/F10-24-2.2	50/2	380	3000	10	24	2.2
65WQ/F15-22-2.2	65/2.5	380	3000	15	22	2.2
80WQ/F50-10-2.2	80/3	380	3000	50	10	2.2
100WQ/F60-9-2.2	100/4	380	3000	60	9	2.2
50WQ/F12-30-3	50/2	380	3000	12	30	3
65WQ/F30-18-3	65/2.5	380	3000	30	18	3
80WQ/F50-12-3	80/3	380	3000	50	12	3
100WQ/F70-9-3	100/4	380	3000	70	9	3
50WQ/F18-32-4	50/2	380	3000	18	32	4
65WQ/F40-22-4	65/2.5	380	3000	40	22	4
80WQ/F58-16-4	80/3	380	3000	58	16	4
100WQ/F80-10-4	100/4	380	3000	80	10	4
50WQ/F15-40-5.5	50/2	380	3000	15	40	5.5
65WQ/F40-30-5.5	65/2.5	380	3000	40	30	5.5
80WQ/F60-19-5.5	80/3	380	3000	60	19	5.5
100WQ/F90-10-5.5	100/4	380	3000	90	10	5.5
150WQ/F130-9-5.5	150/6	380	3000	130	9	5.5
65WQ/F40-38-7.5	65/2.5	380	3000	40	38	7.5
80WQ/F70-22-7.5	80/3	380	3000	70	22	7.5
100WQ/F100-15-7.5	100/4	380	3000	100	15	7.5
150WQ/F150-11-7.5	150/6	380	3000	150	11	7.5

Small sewage submersible pump

model	caliber (mm/in)	voltage (V)	speed (r/min)	flow (m^3/h)	lift (m)	power (kw)
50WQD/F8-14-0.75S	50/2	220/380	3000	8	14	0.75
50WQD/F22-6-0.75S	50/2	220/380	3000	22	6	0.75
50WQD/F10-16-1.1S	50/2	220/380	3000	10	16	1.1
50WQD/F26-9-1.1S	50/2	220/380	3000	26	9	1.1
50WQD/F10-20-1.5S	50/2	220/380	3000	10	20	1.5
65WQD/F30-10-1.5S	65/2.5	220/380	3000	30	10	1.5

Ultra corrosion-resistant sewage submersible pump

model	caliber (mm/in)	Voltage (V)	speed (r/min)	flow (m^3/h)	lift (m)	power (kw)
50WQD/CF8-14-0.75	50/2	220/380	3000	8	14	0.75
50WQD/CF22-6-0.75	50/2	220/380	3000	22	6	0.75
50WQD/CF10-16-1.1	50/2	220/380	3000	10	16	1.1
50WQD/CF26-9-1.1	50/2	220/380	3000	26	9	1.1
50WQD/CF10-20-1.5	50/2	220/380	3000	10	20	1.5
65WQD/CF30-10-1.5	65/2.5	220/380	3000	30	10	1.5
50WQ/CF10-24-2.2	50/2	380	3000	10	24	2.2
65WQ/CF15-22-2.2	65/2.5	380	3000	15	22	2.2
80WQ/CF50-10-2.2	80/3	380	3000	50	10	2.2
100WQ/CF60-9-2.2	100/4	380	3000	60	9	2.2
50WQ/CF12-30-3	50/2	380	3000	12	30	3
65WQ/CF30-18-3	65/2.5	380	3000	30	18	3
80WQ/CF50-12-3	80/3	380	3000	50	12	3
100WQ/CF70-9-3	100/4	380	3000	70	9	3
50WQ/CF18-32-4	50/2	380	3000	18	32	4
65WQ/CF40-22-4	65/2.5	380	3000	40	22	4
80WQ/CF58-16-4	80/3	380	3000	58	16	4
100WQ/CF80-10-4	100/4	380	3000	80	10	4
50WQ/CF15-40-5.5	50/2	380	3000	15	40	5.5
65WQ/CF40-30-5.5	65/2.5	380	3000	40	30	5.5
80WQ/CF60-19-5.5	80/3	380	3000	60	19	5.5
100WQ/CF90-10-5.5	100/4	380	3000	90	10	5.5
150WQ/CF130-9-5.5	150/6	380	3000	130	9	5.5
65WQ/CF40-38-7.5	65/2.5	380	3000	40	38	7.5
80WQ/CF70-22-7.5	80/3	380	3000	70	22	7.5
100WQ/CF100-15-7.5	100/4	380	3000	100	15	7.5
150WQ/CF150-11-7.5	150/6	380	3000	150	11	7.5

CORROSION-RESISTANT
PUMPS

Q
SUBMERSIBLE ELECTRIC PUMPS

Function and Feature
Pump and motor integration, compact structure, lightweight and convenient, reasonable design, excellent performance, noise reduction Double sided mechanical seal, electrical protection, durable.

Product Applications
Agricultural irrigation, hill irrigation, garden watering, underground water lifting, water tower water supply, flood prevention and drainage, industrial and mining drainage, ship bottom drainage, urban construction water.



Product Conditions
1. If the rated head of the pump is less than 10m, the allowable submersion depth should not exceed 10m;
2. If the rated head of the pump is greater than 10m, the allowable submersion depth should not exceed 40m;
3. Water temperature does not exceed 40℃;
4. The sand content in water or the particle size of solid particles insoluble in water should be less than 0.2mm;
5. The PH value of water is between 6.5 and 8.5, such as normal water, well water, river water, lake water.

Model explanation
Q 15 - 26 - 2.2 F

- F — Corrosion Resistant
- 2.2 — Power
- 26 — Head
- 15 — Flow
- Q — Submersible electric pumps

CORROSION-RESISTANT
PUMPS

Q submersible electric pumps

model	flow (m^3/h)	Head (m)	Power (KW)	Voltage (V)	Rated Current (A)	Diameter (mm)	Speed (r/min)	Head Range (m)
Q15-26-2.2F	15	26	2.2	380	5.4	51	3000	full head
Q25-17-2.2F	25	17	2.2	380	5.4	64	3000	full head
Q65-7-2.2F	65	7	2.2	380	5.4	102	3000	full head
Q100-4.5-2.2F	100	4.5	2.2	380	5.4	152	3000	0-7
Q10-51/3-3F	10	51	3	380	7.2	51	3000	45-60
Q15-36-3F	15	36	3	380	7.2	51	3000	full head
Q25-26-3F	25	26	3	380	7.2	64	3000	full head
Q40-16-3F	40	16	3	380	7.2	76	3000	full head
Q65-10-3F	65	10	3	380	7.2	102	3000	full head
Q100-6-3F	100	6	3	380	7.2	152	3000	0-9
Q160-4-3F	160	4	3	380	7.2	152	3000	0-6.5
Q30-30-3.7F	30	30	3.7	380	8.7	64	3000	18-32
Q10-60/3-4F	10	60	4	380	9.3	51	3000	45-61
Q15-48/2-4F	15	48	4	380	9.3	51	3000	full head
Q40-21-4F	40	21	4	380	9.3	76	3000	full head
Q65-14-4F	65	14	4	380	9.3	102	3000	8-20
Q20-40/2-4F	20	40	4	380	9.3	64	3000	full head
Q100-9-4F	100	9	4	380	9.3	152	3000	full head
Q160-6-4F	160	6	4	380	9.3	152	3000	full head
Q200-4-4F	200	4	4	380	9.3	203	3000	full head
Q65-18-5.5F	65	18	5.5	380	12.6	102	3000	full head
Q100-13-5.5F	100	13	5.5	380	12.6	152	3000	full head
Q160-8-5.5F	160	8	5.5	380	12.6	152	3000	0-9
Q200-6-5.5F	200	6	5.5	380	12.6	203	3000	0-8
Q25-40-5.5F	25	40	5.5	380	12.6	64	3000	33-43
Q40-28-5.5F	40	28	5.5	380	12.6	78	3000	19-34
Q15-70/4-5.5F	15	70	5.5	380	12.6	64	3000	28-87
Q10-80/4-5.5F	10	80	5.5	380	12.6	51	3000	62-86
Q250-5-5.5F	250	5	5.5	380	12.6	203	3000	0-7
Q350-3.5-5.5F	350	35	5.5	380	12.6	203	3000	0-4.5
Q40-38-7.5F	40	38	7.5	380	16.8	76	3000	28-44
Q50-30-7.5F	50	30	7.5	380	16.8	76	3000	full head
Q65-25-7.5F	65	25	7.5	380	16.8	102	3000	full head
Q80-20-7.5F	80	20	7.5	380	16.8	102	3000	full head
Q100-17-7.5F	100	17	7.5	380	16.8	152	3000	full head
Q160-11-7.5	160	11	7.5	380	16.8	152	3000	0-16
Q200-9-7.5F	200	9	7.5	380	16.8	203	3000	0-16
Q250-7-7.5F	250	7	7.5	380	16.8	203	3000	0-8.5
Q15-95/4-7.5F	15	95	7.5	380	16.8	64	3000	80-98
Q18-84/4-7.5F	18	84	7.5	380	16.8	64	3000	70-88
Q25-60/2-7.5F	25	60	7.5	380	16.8	64	3000	45-66
Q10-110/4-7.5F	10	110	7.5	380	16.8	51	3000	84-115

Note: The product is constantly being improved, and model may change. For more details, please contact the company and staff.

CORROSION-RESISTANT
PUMPS

YCNCDL(F)

PERMANENT MAGNET MOTOR VERTICAL MULTI-STAGE CENTRIFUGAL PUMP

Product Overview

YCNCDL (F) permanent magnet motor vertical multi-stage centrifugal pump integrates the motor inside the pump, and is equipped with an intelligent permanent magnet synchronous variable-frequency controller. It can achieve constant pressure, temperature, or differential pressure functions by connecting pressure or temperature sensors. Additionally, multiple pumps can be linked for constant pressure and high-efficiency operation, and can be controlled remotely via network intelligent control.

Notes：The pump is shipped without pressure or temperature sensors and other accessories. If automatic control functions are required, users must purchase and install them separately.



Part of Motor

Permanent Magnet Synchronous Motor
Protection Class: IP68
Insulation Class: F
Control method: Requires matching
synchronous variable frequency controller Variable Frequency Controller
Input power supply: 50Hz: 3x320V-440V
Power range: 1.5kW-15kW
Output frequency range: 0Hz-500Hz
Pressure adjustment scale: 0.1bar
Protection level: IP54 (or IP68)
Display: LCD
For other parameters, see the permanent magnet synchronous inverter manual

Feature

1.This product is suitable for both land and water use.
2.The permanent magnet motor is inside, avoid contact with water.
3.High efficiency, low noise, intelligent operation, easy to use and maintain.

Product Overview

1.Transporting different media: tap water (non corrosive), industrial liquids, etc(Note: YCNCDL is suitable for non corrosive liquids; YCNCDL (F) is suitable for mildly corrosive liquids.)
2.Water Supply: Filtration and transportation in plants, zoned water supply in water plants, main pipeline water supply for high-rise buildings.
3.Industrial Boosting: cleaning systems, high-pressure washing systems, fire protection systems.
4.The Transport of Industrial Liquid : Cooling, boiler feed water, and condensation systems, supporting machine tools.
5.HVAC: Air conditioning systems.

Operation Condition

Clean, non flammable/explosive liquid, and free of solid particles and fibers. Liquid temperature: Normal temperature type −15° C to 70° C, hot water type −15° C to 120° C Ambient temperature: Maximum +40° C Altitude: Maximum 1000m.

Graph Conditions

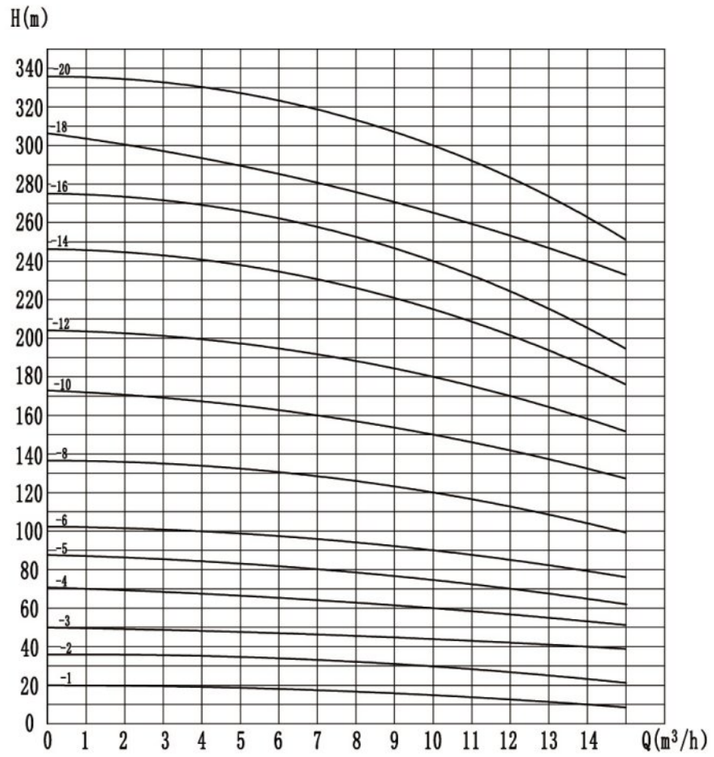
1. All graph are based on measurements of the motor at a synchronous speed of 3600rpm.
2. graph tolerances conform to ISO9906:2012, grade 3B.
3. Testing is conducted with water at 20° C without air, with a kinematic viscosity of 1mm/s.
4. The usage of the pump should refer to the performance range of the bold curve, which can be used across the full head range.

Model explanation

50 YC N CDL (F) 8 −102 / 5 − 5.5

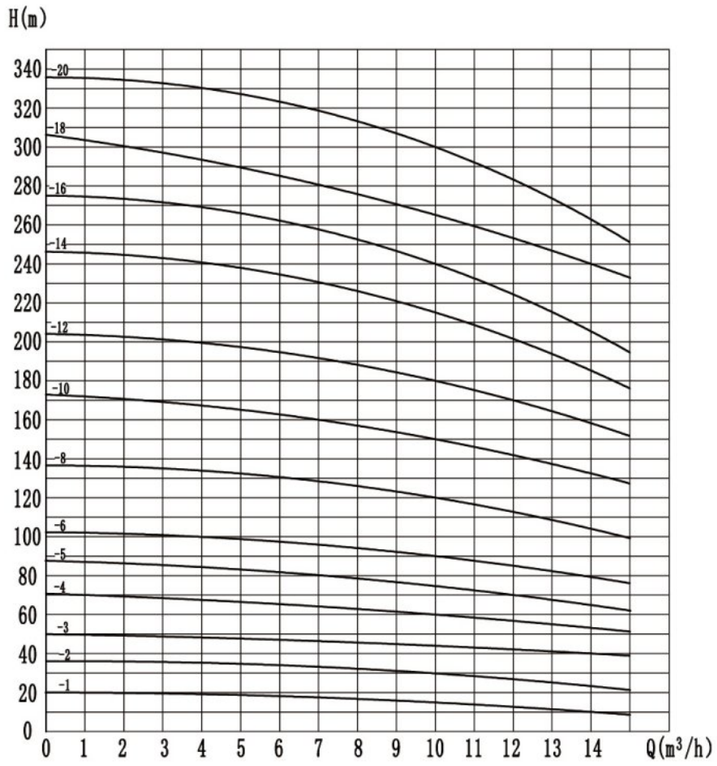
- Power (Kw)
- Impeller Stages
- Rated Head (m)
- Rated Flow (m^3/h)
- Flow Passage Components: stainless steel 304 or 316L
- Vertical Multi-stage Centrifugal Pump
- Permanent Magnet Motor
- Dn50: Diameter (mm) / PN25: Flange Pressure

CORROSION-RESISTANT
PUMPS



8 cubic performance curves

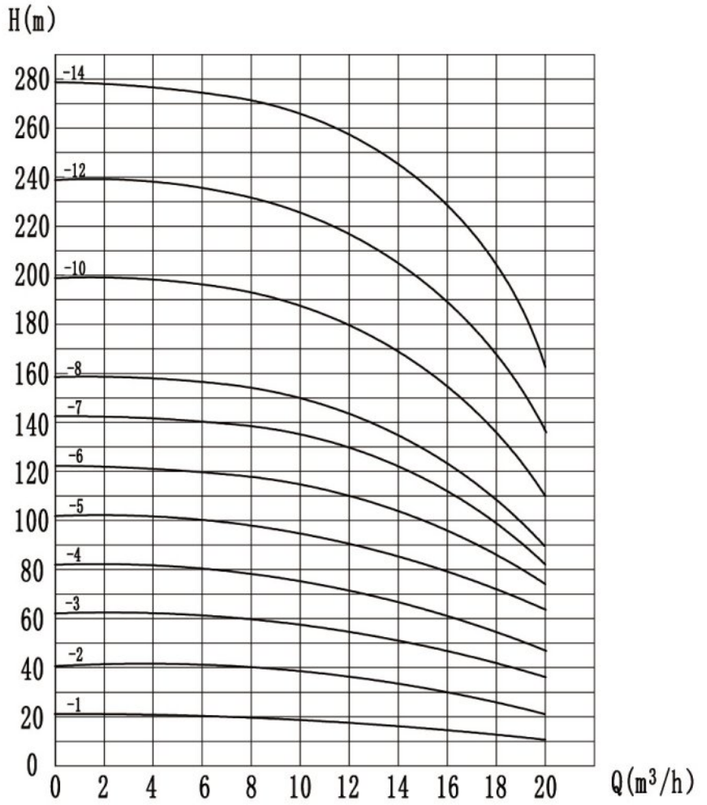
model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	5	8	10	12	14	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)8-16/1-0.75	40/1.5	3600	lift (m)	17	16	15	14	13	0.75	1.4	1.64	0.75
YCNCDL(F)8-32/2-1.1	40/1.5	3600		33	32	30	29	26	1.1	2.7	3.3	1.5
YCNCDL(F)8-48/3-2.2	40/1.5	3600		48	47	45	44	40	2.2	4	4.9	2.2
YCNCDL(F)8-63/4-3	40/1.5	3600		64	63	60	58	53	3	5.2	6.5	3
YCNCDL(F)8-79/5-3	40/1.5	3600		80	79	75	72	66	3	6.7	8.1	3
YCNCDL(F)8-95/6-3.7	40/1.5	3600		96	96	90	87	79	3.7	8	9.2	4
YCNCDL(F)8-127/8-4.5	40/1.5	3600		129	127	120	116	106	4.5	10.1	13	5.5
YCNCDL(F)8-158/10-6	40/1.5	3600		161	158	150	145	132	6	12.6	15.6	7.5
YCNCDL(F)8-190/12-7.5	40/1.5	3600		193	190	180	174	158	7.5	16	19.4	7.5
YCNCDL(F)8-222/14-9.2	40/1.5	3600		225	222	210	203	185	9.2	18.7	23	11
YCNCDL(F)8-253/16-11	40/1.5	3600		258	253	240	232	211	11	21.4	26	11
YCNCDL(F)8-285/18-13	40/1.5	3600		290	285	270	261	238	13	24	29.2	15
YCNCDL(F)8-317/20-13	40/1.5	3600		322	317	300	290	264	13	26.7	32.5	15
YCNCDL(F)8-352/22-15	40/1.5	3600		354	352	360	319	290	15	29.3	35.8	15



10 cubic performance curves

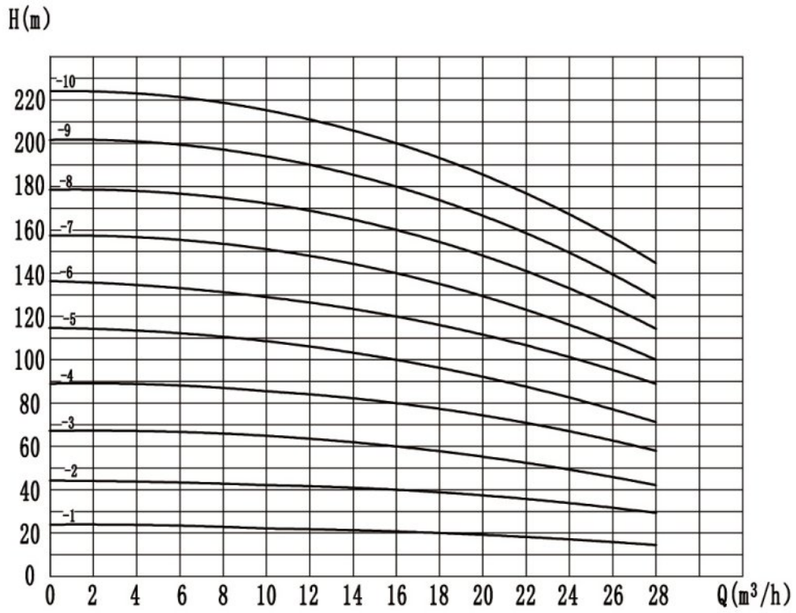
model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	5	8	10	12	14	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)10-15/1-0.75	40/1.5	3600	lift (m)	17	16	15	14	13	0.75	1.4	1.64	0.75
YCNCDL(F)10-31/2-1.1	40/1.5	3600		33	32	30	29	26	1.1	2.8	3.3	1.5
YCNCDL(F)10-46/3-2.2	40/1.5	3600		48	47	45	44	40	2.2	4.2	4.9	2.2
YCNCDL(F)10-61/4-3	40/1.5	3600		64	63	60	58	53	3	5.6	6.5	3
YCNCDL(F)10-77/5-3	40/1.5	3600		80	79	75	72	66	3	7	8.1	3
YCNCDL(F)10-92/6-3.7	40/1.5	3600		96	96	90	87	79	3.7	8.4	9.8	4
YCNCDL(F)10-123/8-4.5	40/1.5	3600		129	127	120	116	106	5.5	11.2	13	5.5
YCNCDL(F)10-153/10-6	40/1.5	3600		161	158	150	145	132	6	13.9	15.6	7.5
YCNCDL(F)10-184/12-7.5	40/1.5	3600		193	190	180	174	158	7.5	16.8	19.5	7.5
YCNCDL(F)10-215/14-9.2	40/1.5	3600		225	222	210	203	185	9.2	19.6	23	11
YCNCDL(F)10-145/16-11	40/1.5	3600		258	253	240	232	211	11	22.4	26	11
YCNCDL(F)10-276/18-13	40/1.5	3600		290	285	270	261	238	13	25.2	29.2	15
YCNCDL(F)10-306/20-13	40/1.5	3600		322	317	300	290	264	13	28	32.5	15

CORROSION-RESISTANT
PUMPS



12 cubic performance curves

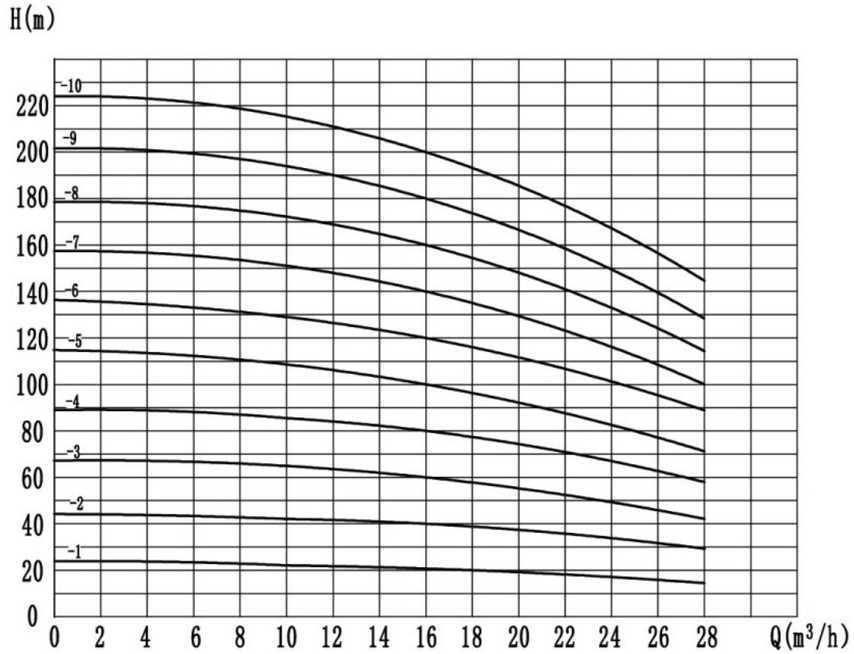
model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	7	10	12	14	16	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)12-18/1-1.1	50/2	3600	lift (m)	20	19	18	16	15	1.1	2.2	2.3	1.5
YCNCDL(F)12-37/2-2.2	50/2	3600		39	38	37	32	31	2.2	4.1	4.6	2.2
YCNCDL(F)12-55/3-3	50/2	3600		59	56	55	49	47	3	6.1	6.9	3
YCNCDL(F)12-73/4-4	50/2	3600		78	75	73	65	62	4	8.1	9.2	4
YCNCDL(F)12-92/5-4.5	50/2	3600		98	94	92	82	78	4.5	10.1	11.5	5.5
YCNCDL(F)12-110/6-5.5	50/2	3600		117	113	110	98	93	5.5	12.1	13.7	5.5
YCNCDL(F)12-128/7-6	50/2	3600		137	131	128	114	109	6	14.1	15.9	7.5
YCNCDL(F)12-147/8-7.5	50/2	3600		156	151	147	131	124	7.5	16.2	18.3	7.5
YCNCDL(F)12-183/10-9.2	50/2	3600		195	188	183	163	155	9.2	20.2	22.8	11
YCNCDL(F)12-220/12-11	50/2	3600		234	226	220	196	186	11	24.2	27.4	11
YCNCDL(F)12-257/14-13	50/2	3600		273	264	257	229	217	13	28.3	32	15



15 cubic performance curves

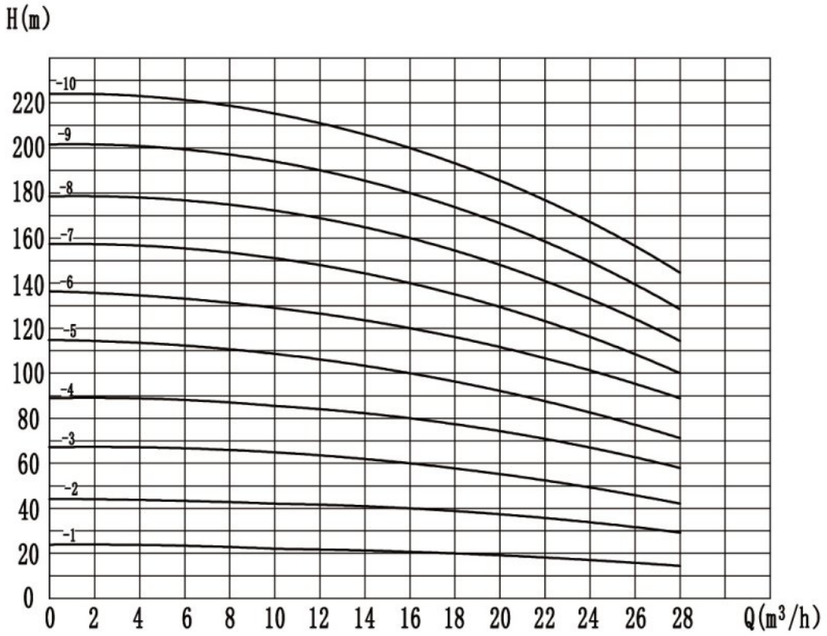
model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	10	14	15	16	18	20	22	26	28	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)15-20/1-1.5	50/2	3600		22	21	20	20	20	19	18	15	14	1.5	2.5	3.1	1.5
YCNCDL(F)15-40/2-3	50/2	3600		43	41	40	40	39	38	36	30	29	3	5	6.1	3
YCNCDL(F)15-61/3-4	50/2	3600		65	62	61	60	59	57	54	45	43	4	7.5	9.15	4
YCNCDL(F)15-81/4-5.5	50/2	3600		86	82	81	80	78	76	72	60	57	5.5	10	12.2	5.5
YCNCDL(F)15-101/5-7.5	50/2	3600		108	103	101	100	98	95	90	75	71	7.5	12.5	15.25	7.5
YCNCDL(F)15-122/6-7.5	50/2	3600	lift (m)	129	123	122	120	117	114	108	90	89	7.5	15	18.3	7.5
YCNCDL(F)15-142/7-9.2	50/2	3600		151	144	142	140	137	133	126	105	100	9.2	18.5	21.53	11
YCNCDL(F)15-162/8-11	50/2	3600		172	164	162	160	156	152	144	120	114	11	20	24.4	11
YCNCDL(F)15-182/9-13	50/2	3600		194	185	182	180	176	171	162	135	128	13	22.5	27.45	13
YCNCDL(F)15-203/10-15	50/2	3600		215	205	203	200	195	190	180	150	143	15	25	30.5	15

CORROSION-RESISTANT
PUMPS



16 cubic performance curves

model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	10	14	15	16	18	20	22	26	28	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)16-20/1-1.5	50/2	3600		22	21	20	20	20	19	18	15	14	1.5	2.6	3.1	1.5
YCNCDL(F)16-40/2-3	50/2	3600		43	41	40	40	39	38	36	30	29	3	5.1	6.1	3
YCNCDL(F)16-60/3-4	50/2	3600		65	62	61	60	59	57	54	45	43	4	7.65	9.15	4
YCNCDL(F)16-80/4-5.5	50/2	3600		86	82	81	80	78	76	72	60	57	5.5	10.2	12.2	5.5
YCNCDL(F)16-100/5-7.5	50/2	3600		108	103	101	100	98	95	90	75	71	7.5	12.75	15.25	7.5
YCNCDL(F)16-120/6-7.5	50/2	3600	lift (m)	129	123	122	120	117	114	108	90	89	7.5	15.3	18.3	7.5
YCNCDL(F)16-140/7-9.2	50/2	3600		151	144	142	140	137	133	126	105	100	9.2	17.85	21.53	11
YCNCDL(F)16-160/8-11	50/2	3600		172	164	162	160	156	152	144	120	114	11	20.4	24.4	11
YCNCDL(F)16-180/9-13	50/2	3600		194	185	182	180	176	171	162	135	128	13	22.95	27.45	13
YCNCDL(F)16-200/10-15	50/2	3600		215	205	203	200	195	190	180	150	143	15	25.5	30.5	15



20 cubic performance curves

model	Diameter (mm/in)	Synchronous speed (r/mim)	flow (m^3/h)	10	14	15	16	18	20	22	26	28	Rated power (KW)	Rated current (A)	Maximum current (A)	Matching inverter (KW)
YCNCDL(F)20-19/1-1.5	50/2	3600	lift (m)	22	21	20	20	20	19	18	15	14	1.5	2.8	3.1	1.5
YCNCDL(F)20-38/2-3	50/2	3600		43	41	40	40	39	38	36	30	29	3	4.2	6.1	3
YCNCDL(F)20-57/3-4	50/2	3600		65	62	61	60	59	57	54	45	43	4	8.4	9.15	4
YCNCDL(F)20-76/4-5.5	50/2	3600		86	82	81	80	78	76	72	60	57	5.5	11.2	12.2	5.5
YCNCDL(F)20-95/5-7.5	50/2	3600		108	103	101	100	98	95	90	75	71	7.5	14	15.25	7.5
YCNCDL(F)20-114/6-7.5	50/2	3600		129	123	122	120	117	114	108	90	89	7.5	16.8	18.3	7.5
YCNCDL(F)20-133/7-9.2	50/2	3600		151	144	142	140	137	133	126	105	100	9.2	19.6	21.53	11
YCNCDL(F)20-141/8-11	50/2	3600		172	164	162	160	156	152	144	120	114	11	22.4	24.4	11
YCNCDL(F)20-171/9-13	50/2	3600		194	185	182	180	176	171	162	135	128	13	25.2	27.45	13
YCNCDL(F)20-190/10-15	50/2	3600		215	205	203	200	195	190	180	150	143	15	28	30.5	15