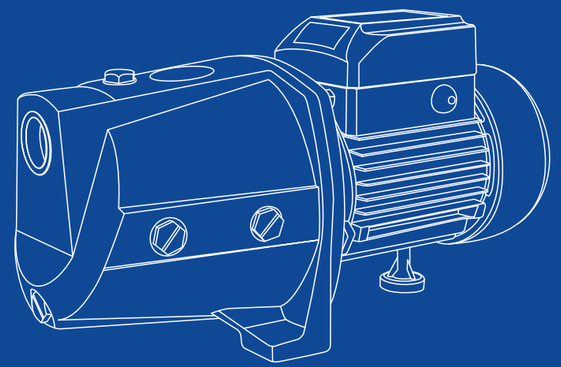
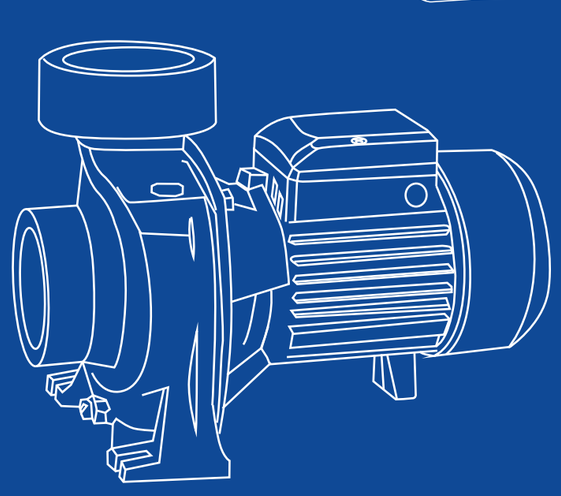
AGUA MAESTRO®

Solución óptima en agua





TAIZHOU SUNUO ELECTRIC CO.,LTD.

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Http://www.aguabombas.com

SCAN TO ADD WECHAT

ELECTRIC WATER PUMP

2024

COMPANY PROFILE

TAIZHOU SUNUO PUMP INDUSTRY CO,LTD. it is a modern enterprise which combining scientific research with development and design, trade,manufacture and sale, The company specialized in producing and manufacturing all kinds of the pumps and motors, especially the vibration pump, is our main product, which made up around 50% of our sales.

We have the experience of producing small size pumps and motors for many years and possess the completed & automatic computer checking lines, automatic spray paint lines, adavanced manufacture & assemble lines of the motors for pumps.

The company manufactures the water pumps with complete specifications, various advanced designs and high quality raw materials, with this characteristics, it win the customer's credit and confidence.

The products had been sold well over the world with favorable comments of customers at home and abroad.

“Quality is the first, customers of permanent important”, this tenet we will carry out all the way.

Here we warmly invite you, our friends to visit our factory and kindly give us your valuable advice.

Stable Performance

High precision

High Efficiency

Professional

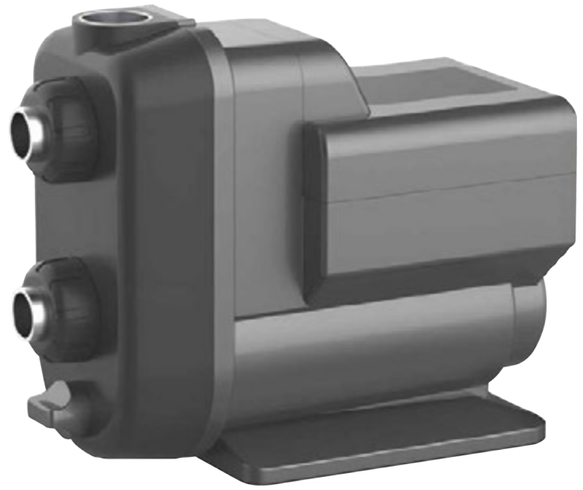
Professional manufacturer of water pumps

Strong Power | Full Copper Motor | Low Noise | Powerful Boosting | Water Shortage Protection | High Head Large Flow

CATALOG

MAC

AUTO PERIPHERAL BOOSTER PUMPS



Model Meaning

MAC 750

- 750: Max. Power(w)
- MAC: Auto peripheral booster pump

Application

- Widely used in high-rise pressurization, household water supply, well wate 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.

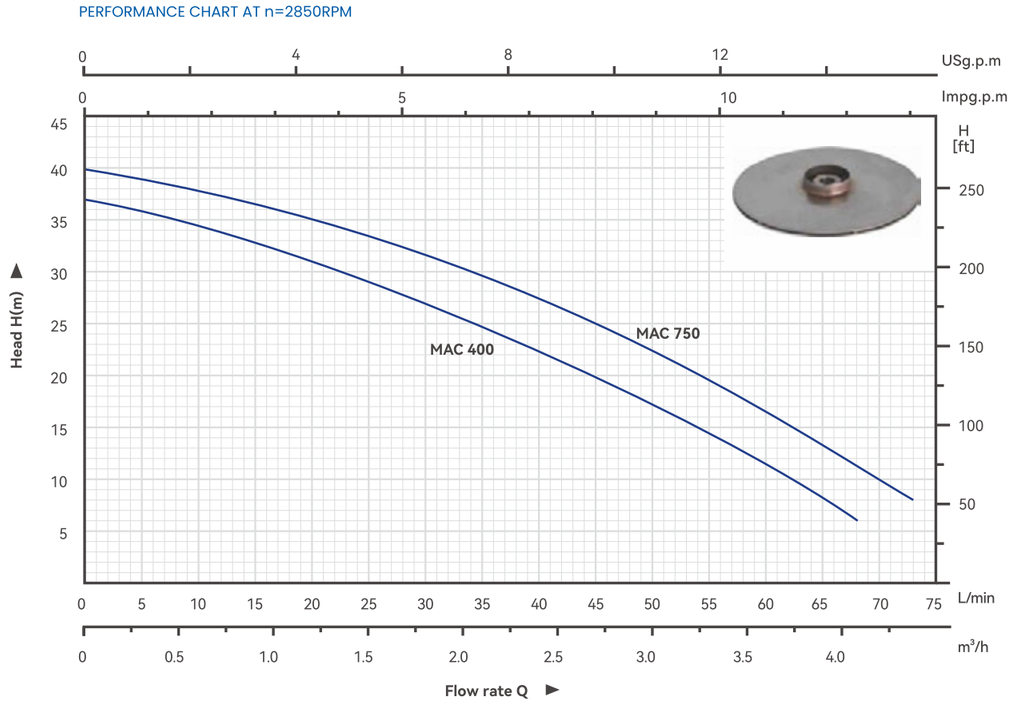
Working Conditions

- 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/50 for single-phase AC, the maximum voltage fluctuation value does not exceed 10% of the rated value.

Advantages & Features

- Advanced technology: Auto peripheral booster pump adopts cutting edge technology, bringing greater performance.
- Low noise: adopts noise reduce solution-shielded motor and shock-absorbing feet.
- Good moisture-proof performance, and lower failure rate.
- Good motor cooling performance.
- High efficiency and low energy consumption: adopt permanent magnet motol more energy saving.
- Multi-protections: over-voltage protection, over-current protection, over load/under load protection, over temperature protection, frost protection, etc.
- Easy use: simplified displays, more clear and convenience to control.
- Self-priming function: it can self priming only need you to pour water into the pump cavity for one time.
- Water shortage protection: enter sleep mode automatically to self-protectior when lacking water. And it can detect system pressure automatically to wake up the pump once you needed.
- Easy maintenance: the fault code display is more convenient for maintenance.

Performance Graph



Performance Parameters

MODEL	VOLTAGE (V)	POWER (W)	RATED FLOW (m^3/h)	RATED HEAD (M)	MAX.FLOW (m^3/h))	MAX.HEAD (M)	MAX.SPEED (RPM)	IN/OUT PIPE DIAMETER
MAC 400	220	400	2	22	4.2	38	4000	G1"
MAC 750	220	750	2	40	4.8	48	4800	G1"

QB PERIPHERAL PUMPS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC
- Total suction lift up to 8m
- Continuous duty

Component Construction

- Pump body: Cast iron, with brass/AISI304 SS insert if request
- Pump support: Cast iron, with brass/AISI304 SS insert if request
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

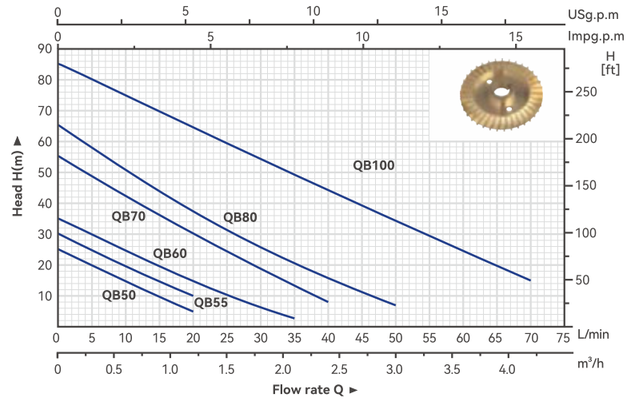
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

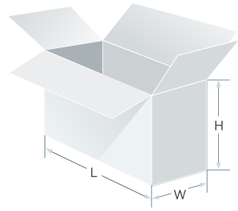
MODEL	INPUT POWER		Q(m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2
	kW	HP	Q(L/min)	0	5	10	15	20	25	30	35	40	50	60	70
QB50	0.2	0.3		25	20	15	10	5							
QB55	0.25	0.37		30	25	20	15	10							
QB60	0.37	0.5		35	30	25	20	15	10.5	6.5	3				
QB70	0.55	0.75	H	55	49	43	37	30	23	17	12	8			
QB80	0.75	1.0		65	59	52	45	38	31	25	19	14	7		
QB100	1.1	1.5		85	80	75	70	65	60	55	49	42	34	25	15
QB80+24L	0.75	1.0		65	59	52	45	38	31	25	19	14	7		

Performance Graph

PERFORMANCE CHART AT n=2850RPM

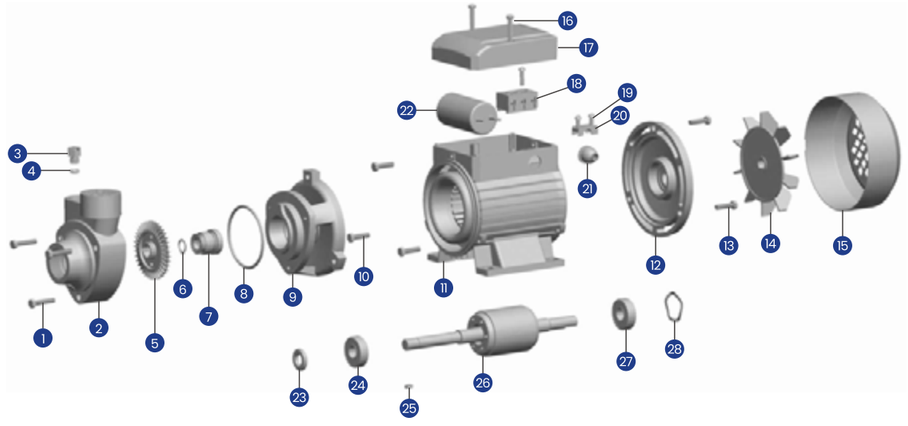


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
QB50	1 "×1 "	3.9	235×115×140
QB55	1 "×1 "	5	280×140×170
QB60	1 "×1 "	5.5	280×140×170
QB70	1 "×1 "	8.5	335×190×210
QB80	1 "×1 "	9.0	340×190×210
QB100	1 "×1 "	13.1	348×190×212
QB80+24L	1 "×1 "	14.5	530×300×570

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	11	Casing with wound stator	21	Fairlead
2	Pump casing	12	Driving cap	22	Capacitor
3	Charge plug	13	Bolt	23	Drops guard
4	"O" ring	14	Fan	24	Bearing
5	Impeller	15	Fan cover	25	Key
6	Snap ring	16	Bolt	26	Rotor
7	Mechanical seal	17	Terminal cover	27	Bearing
8	"O" ring	18	Terminal board	28	Split ring
9	Pump support	19	Screw		
10	Bolt	20	Cable presser		

QB PERIPHERAL PUMPS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m
- Continuous duty

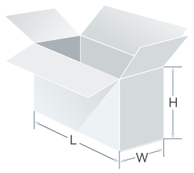
Component Construction

- Pump body: Cast iron, with brass/AISI304 SS insert if request
- Pump support: Cast iron, with brass/AISI304 SS insert if request
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

Motor

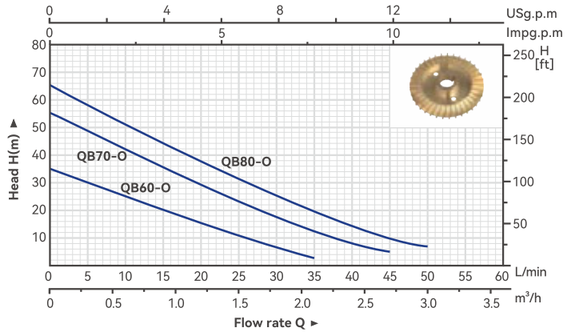
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Package Size



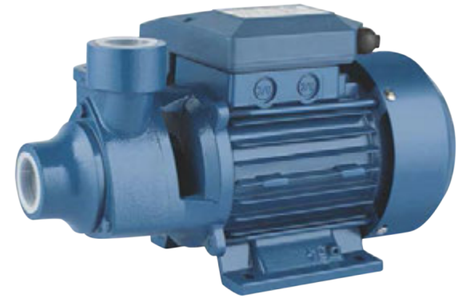
MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
QB60-O	1 "×1 "	5.2	280×140×170
QB70-O	1 "×1 "	8.5	335×190×210
QB80-O	1 "×1 "	9.5	340×190×210

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP	Q(L/min)	0	5	10	15	20	25	30	35	40	45	50
QB60-O	0.37	0.5		35	30	25	20	15	10.5	6.5	3			
QB70-O	0.55	0.75	H	55	49	43	37	30	23	17	12	8	5	
QB80-O	0.75	1.0		65	59	52	45	38	31	25	19	14	10	7

PM PERIPHERAL PUMPS



Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m
- Continuous duty

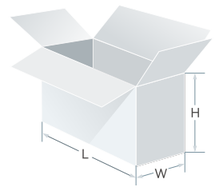
Component Construction

- Pump body: Cast iron, with brass/AISI304 SS insert if request
- Pump support: Cast iron, with brass/AISI304 SS insert if request
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

Motor

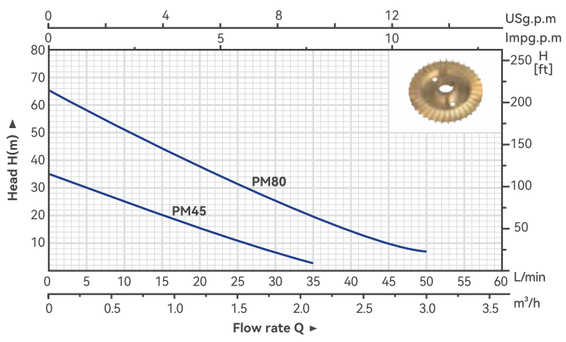
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
PM45	1 "×1 "	5.8	275×155×170
PM80	1 "×1 "	10	305×185×200

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP	Q(L/min)	0	5	10	15	20	25	30	35	40	45	50
PM45	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
PM80	0.75	1.0		65	59	52	45	38	31	25	19	14	10	7

KS/ZDB

SELF-PRIMING PERIPHERAL PUMPS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m
- Continuous duty

Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

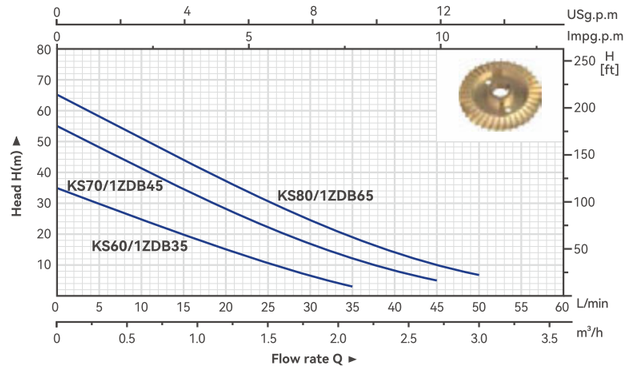
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

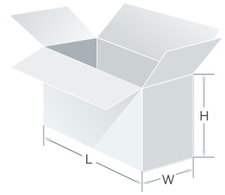
MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP	Q(L/min)	0	5	10	15	20	25	30	35	40	45	50
KS60	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
KS70	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
KS80	0.75	1.0		65	59	52	45	38	31	25	19	14	10	7
1ZDB35	0.37	0.5		35	30	25	20	15	10.5	6.5	3			
1ZDB45	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
1ZDB65	0.75	1.0		65	59	52	45	38	31	25	19	14	10	7

Performance Graph

PERFORMANCE CHART AT n=2850RPM

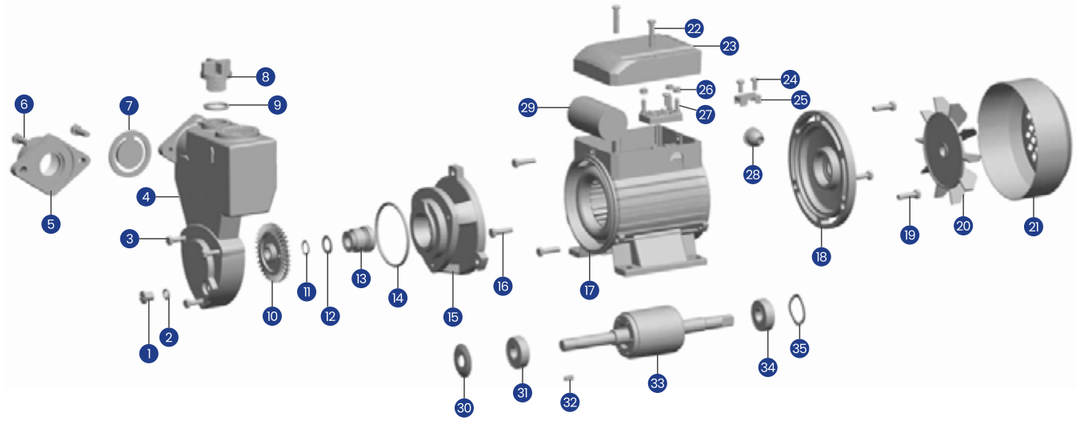


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
KS60	1 "×1 "	6.8	255×180×245
KS70	1 "×1 "	9.5	280×185×255
KS80	1 "×1 "	12.2	290×200×275
1ZDB35	1 "×1 "	6.6	275×200×245
1ZDB45	1 "×1 "	9.5	305×205×260
1ZDB65	1 "×1 "	11.5	305×205×260

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	13	Mechanical seal	25	Cable presser
2	"O" ring	14	"O" ring	26	Nut
3	Bolt	15	Pump support	27	Terminal board
4	Pump casing	16	Bolt	28	Fairlead
5	Suction flange	17	Casing with wound stator	29	Capacitor
6	Bolt	18	Driving cap	30	Drops guard
7	Check valve	19	Bolt	31	Bearing
8	Charge plug	20	Fan	32	Key
9	"O" ring	21	Fan cover	33	Rotor
10	Impeller	22	Bolt	34	Bearing
11	Snap ring	23	Terminal cover	35	Split ring
12	Washer	24	Screw		

PW

AUTO PERIPHERAL PUMPS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC
- Total suction lift up to 9m
- Continuous duty

Component Construction

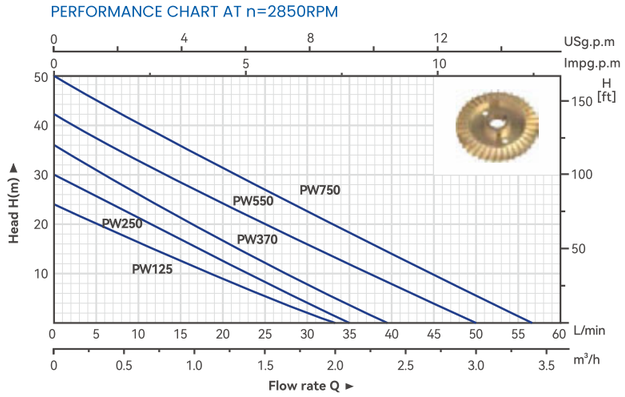
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

Motor

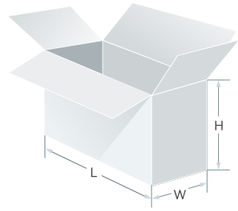
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
PW125	0.125	0.17	2.0	24	8	1600
PW250	0.25	0.34	2.2	30	8	1600
PW370	0.37	0.5	2.4	36	8	1600
PW550	0.55	0.75	3.0	42	8	1320
PW750	0.75	1	3.4	50	8	1320

Performance Graph

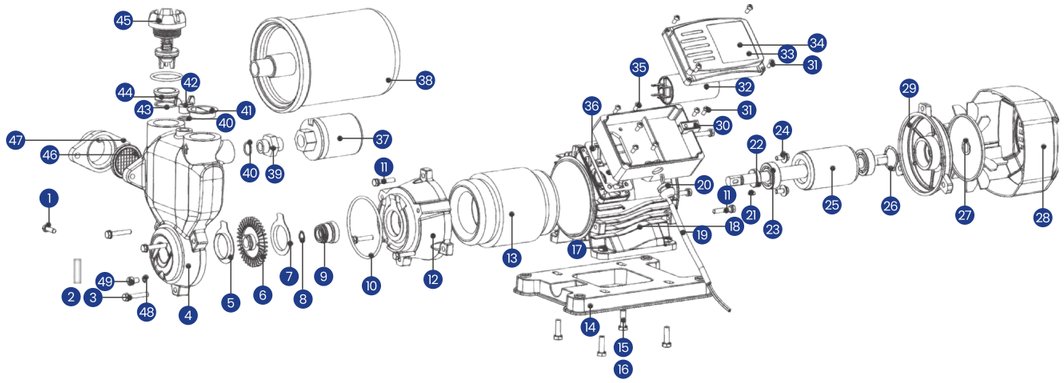


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
PW125	1 "×1 "	7.9	295×230×300
PW250	1 "×1 "	8.2	295×230×300
PW370	1 "×1 "	8.6	295×230×300
PW550	1 "×1 "	11.6	310×245×350
PW750	1 "×1 "	12.8	310×245×350

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	14	Floor	27	Fan cover	40	"O"ring
2	Bolt	15	Bolt	28	Fan	41	Dustproof cover
3	Spring washers	16	washer	29	Driving cap	42	Charge plug
4	Pump casing	17	Nut	30	Cable presser	43	"O" ring
5	Pump casing tablet	18	Casing with wound stator	31	Bolt	44	Tablet
6	Impeller	19	Fairlead	32	Capacitor	45	Check valve
7	Pump support tablet	20	Power cord	33	Terninal cover	46	Screen
8	Snap ring	21	Key	34	Junction box	47	The water cover
9	Mechanical seal	22	Drops guard	35	Bolt	48	"O" ring
10	"O" ring	23	Bearing	36	Ring	49	Bolt
11	Bolt	24	Bolt	37	Pressure switch		
12	Pump support	25	Stator	38	Pressure tank		
13	Rotor	26	Split ring	39	Bolt		

PWX AUTO PERIPHERAL PUMPS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are suitable for domestic use and in particular for delivering water in combination small automatic pressure sets,as well as for irrigation.
The pumps shall be installed in enclosed places, or at least protected against inclement.

Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

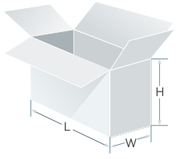
Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m
- Continuous duty

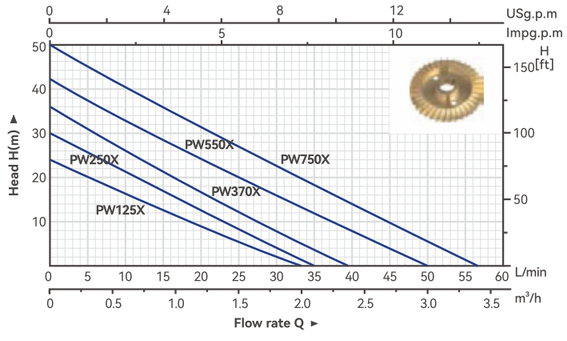
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Package Size



PERFORMANCE CHART AT n=2850RPM



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
PW125X	1 "×1 "	7.9	295×230×300
PW250X	1 "×1 "	8.2	295×230×300
PW370X	1 "×1 "	8.6	295×230×300
PW550X	1 "×1 "	11.6	310×245×350
PW750X	1 "×1 "	12.8	310×245×350

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
PW125X	0.125	0.17	2.0	24	8	1600
PW250X	0.25	0.34	2.2	30	8	1600
PW370X	0.37	0.5	2.4	36	8	1600
PW550X	0.55	0.75	3.0	42	8	1320
PW750X	0.75	1	3.4	50	8	1320

PWZ AUTO PERIPHERAL PUMPS

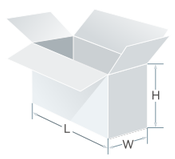
Operating Conditons

- Suction lift up to 8 m
- Max. working pressure 5 bar
- Liquid temperature up to +90°C
- Ambient temperature up to +40°C
- Voltage fluctuations should not exceed 10% of rate value

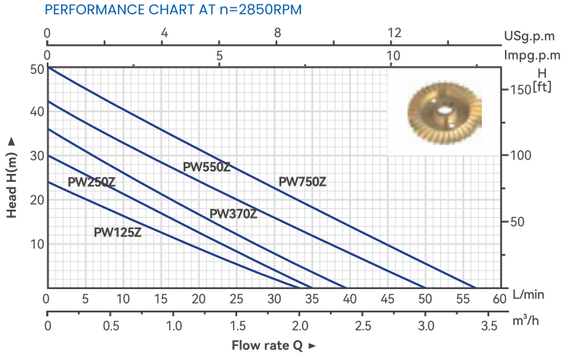
Application & Features

- Compact design, easy installation.
- Pressure and flow switch control automatically.
- Pump body insert of stainless sheet 304.
- Shaft extension is stainless steel 304.
- Intelligent control: The pump equips with flow switch, pressure sensor, control panel, collecting the flow and pressure data by flow switch and pressure sensor. Through the water flow and water pressure data collected by flow switch and pressure switch, electronic unit control the pump running/stop, solve the frequently starting problems under low water flow, and completely inhibit frequently starting if water flows lower than 0.3m³/h.
- Pressure sensing function: No need to adjust the pressure, pump can create start-up pressure according to the pipe pressure.
- Time delay start: 3-seconds delay on startup to prevent electric transient surge.
- Dry-Run protection: Pump shut down if no water flows past pump inlet after running 6 minutes, when there is water flow past pump inlet, pump restart.
- Scale prevention: Pump will automatically run 10 seconds for scale prevention once per 3 days among outage period.

Package Size



PERFORMANCE CHART AT n=2850RPM



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
PW125Z	1 "×1 "	7.9	295×230×300
PW250Z	1 "×1 "	8.2	295×230×300
PW370Z	1 "×1 "	8.6	295×230×300
PW550Z	1 "×1 "	11.6	310×245×350
PW750Z	1 "×1 "	12.8	310×245×350

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
PW125Z	0.125	0.17	2.0	24	8	1600
PW250Z	0.25	0.34	2.2	30	8	1600
PW370Z	0.37	0.5	2.4	36	8	1600
PW550Z	0.55	0.75	3.0	42	8	1320
PW750Z	0.75	1	3.4	50	8	1320

PWH AUTO PERIPHERAL PUMPS

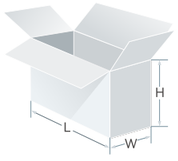
Operating Conditons

- Suction lift up to 8 m
- Max. working pressure 5 bar
- Liquid temperature up to +90°C
- Ambient temperature up to +40°C
- Voltage fluctuations should not exceed 10% of rate value

Application & Features

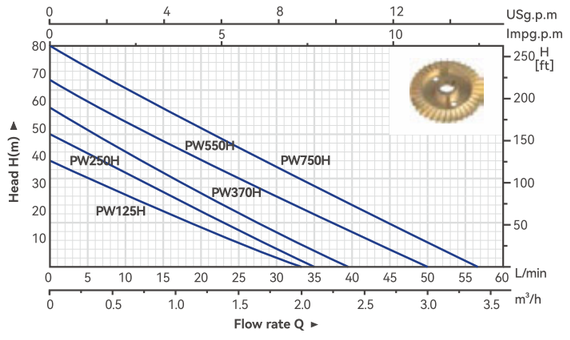
- Compact design, easy installation.
- Pressure and flow switch control automatically.
- Pump body insert of stainless sheet 304.
- Shaft extension is stainless steel 304.
- Intelligent control: The pump equips with flow switch, pressure sensor, control panel, collecting the flow and pressure data by flow switch and pressure sensor. Through the water flow and water pressure data collected by flow switch and pressure switch, electronic unit control the pump running/stop, solve the frequently starting problems under low water flow, and completely inhibit frequently starting if water flows lower than 0.3m³/h.
- Pressure sensing function: No need to adjust the pressure, pump can create start-up pressure according to the pipe pressure.
- Time delay start: 3-seconds delay on startup to prevent electric transient surge.
- Dry-Run protection: Pump shut down if no water flows past pump inlet after running 6 minutes, when there is water flow past pump inlet, pump restart.
- Scale prevention: Pump will automatically run 10 seconds for scale prevention once per 3 days among outage period.

Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
PW125H	1 "×1 "	7.9	295×230×300
PW250H	1 "×1 "	8.2	295×230×300
PW370H	1 "×1 "	8.6	295×230×300
PW550H	1 "×1 "	11.6	310×245×350
PW750H	1 "×1 "	12.8	310×245×350

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER kW	INPUT POWER HP	MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
PW125H	0.125	0.17	2.0	24	8	1600
PW250H	0.25	0.34	2.2	30	8	1600
PW370H	0.37	0.5	2.4	36	8	1600
PW550H	0.55	0.75	3.0	42	8	1320
PW750H	0.75	1	3.4	50	8	1320

GP AUTO PERIPHERAL PUMPS

GP130

GP136

Application & Installation

They are recommended for pumping clean water without abrassive particles and liquid are chemically non-aggressive to the materials of which the pump is made. They are suitable for domestic use and in particular for delivering water in combination small automatic pressure sets,as well as for irrigation.
The pumps shall be installed in enclosed places, or at least protected against inclement.

Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite

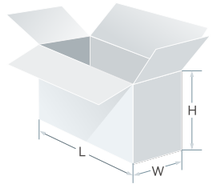
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating Conditons

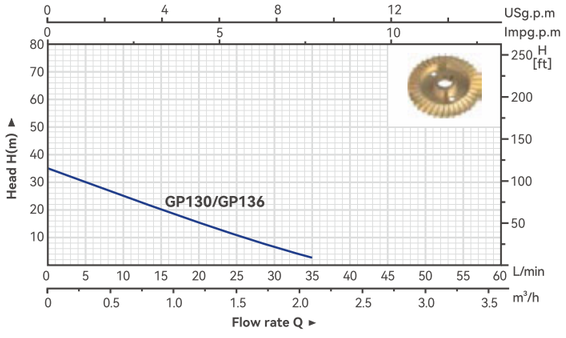
- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m
- Continuous duty

Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
GP130	1 "×1 "	9.2	300×200×280
GP136	1 "×1 "	8.9	295×228×320

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER kW	INPUT POWER HP	Q(m³/h) Q(L/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
			H	0	5	10	15	20	25	30	35
GP130	0.37	0.5		35	30	25	20	15	10.5	6.5	3
GP136	0.37	0.5		35	30	25	20	15	10.5	6.5	3

AZDB

AUTO PERIPHERAL PUMPS

Application & Installation

They are recommended for pumping clean water without abrassive particles and liquid are chemically non-aggressive to the materials of which the pump is made.
They are suitable for domestic use and in particular for delivering water in combination small automatic pressure sets,as well as for irrigation.
The pumps shall be installed in enclosed places, or at least protected against inclement.

Operating Conditons

- Suction lift up to 8m
- Liquid temperature up to +40°C
- Ambienttemperature up to +90°C
- Max.Working pressure: 6 bar

Material

- Pump body: Castiron(HT200)
- Motor Bracket: Aluminum
- Impeller: Brass
- Shaft: 45# Steel, AISI 416 stainless steel if request
- Mechanicalseal: Ceramic

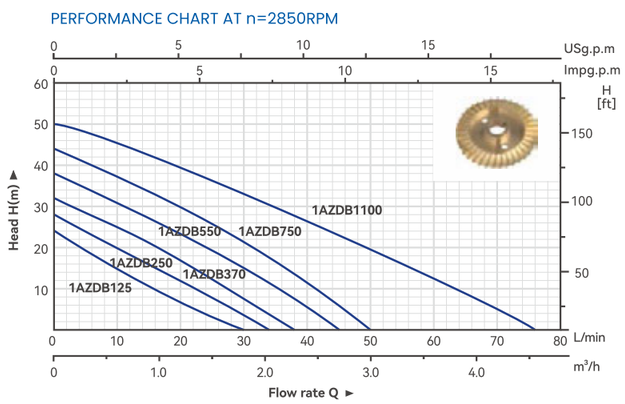
Electric motor: Single-phase 220V-50Hz with capacitor and thermal overload protector
Voltage fluctuation for 10% more or less is allowed
Insulation: B
Protection: IP44

Range Of Performance

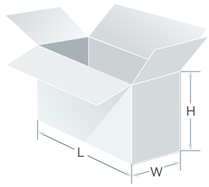
- Flow rate up to 60 L/min(3.6m³/h)
- Head up to 50m

MODEL	INPUT POWER		Q(m³/h)	0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.6	4.2
	kW	HP	Q(L/min)	0	15	20	25	30	35	40	45	60	70
1AZDB125	0.125	0.17	H	24	11	7	3.7						
1AZDB250	0.25	0.34		28	16	12	8	3.4					
1AZDB370	0.37	0.5		32	21	17	12.5	7.6	3				
1AZDB550	0.55	0.75		38	27.3	23.3	19	15	10.6	5.7			
1AZDB750	0.75	1		44	34	30	26	22	17	12	7		
1.5AZDB1100	1.1	1.5		50	44	40.4	36.9	32.9	28.8	24.3	19	12.6	5

Performance Graph

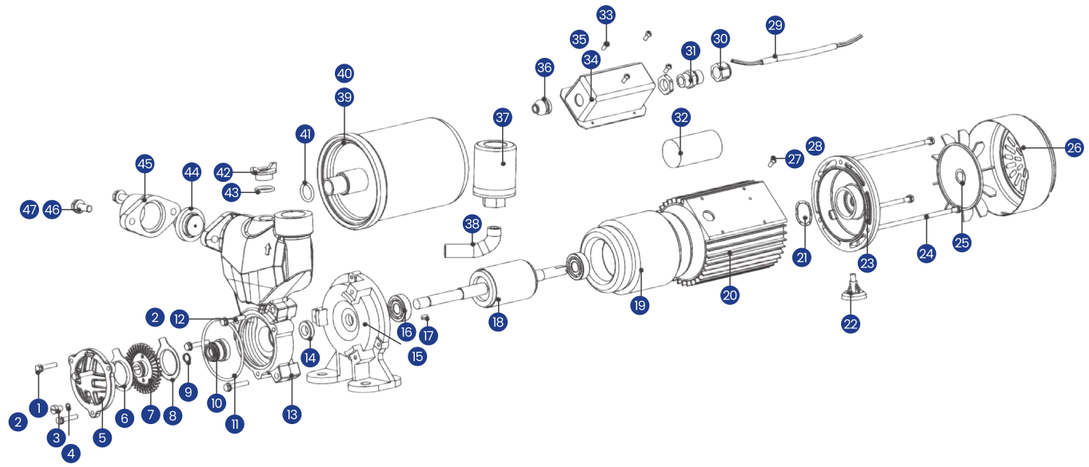


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
1AZDB125	1 "×1 "	9	280×225×305
1AZDB250	1 "×1 "	10	280×225×305
1AZDB370	1 "×1 "	11	280×225×305
1AZDB550	1 "×1 "	13	310×235×305
1AZDB750	1 "×1 "	14.5	345×250×335
1.5AZDB1100	1½"×1½"	18.5	360×280×370

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	13	Pump casing	25	Fan	37	Pressure switch
2	Spring washers	14	Drops guard	26	Fan cover	38	Bolt
3	Bolt	15	Pump support	27	Bolt	39	Pressure tank
4	"O" ring	16	Bearing	28	Spring washers	40	Pressure tank label
5	Runner cover	17	Key	29	Power cord	41	"O" ring
6	Runner cover tablet	18	Stator	30	Terminal box nut	42	Charge plug
7	Impeller	19	Rotor	31	Cable holder	43	"O" ring
8	Pump casing tablet	20	Casing with wound stator	32	Capacitor	44	Check valve
9	Snap ring	21	Split ring	33	Bolt	45	The water cover
10	Mechanical seal	22	Support foot	34	Junction box	46	Bolt
11	"O" ring	23	Driving cap	35	Nameplate	47	Spring washers
12	Bolt	24	Bolt	36	Fairlead		

CPM

CENTRIFUGAL PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m
- Continuous duty

Component Construction

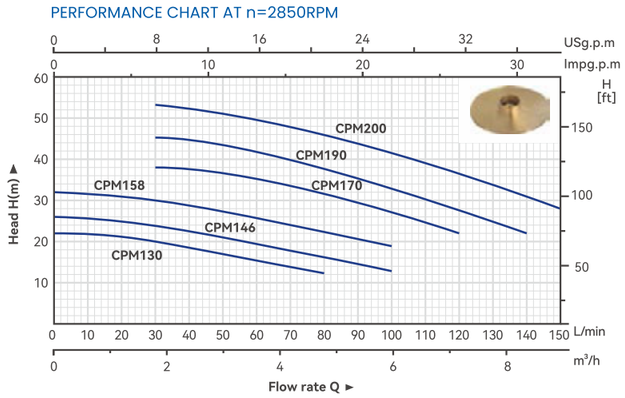
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

Motor

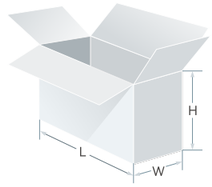
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
CPM130	0.37	0.5	H	22	21.5	21	20.5	19	17	15	13	12.6							
CPM146	0.55	0.75		26	25.5	25	24.5	23	21	19	17	16.4	15	13					
CPM158	0.75	1		32	31.5	31	30	28.5	27	25	23.5	22	20	19					
CPM170	1.1	1.5		41			38	37	36	35	33.5	32	30	28	25	22			
CPM190	1.5	2		48			45.5	44.5	43.5	42.5	41.5	40.5	39	37	34.5	31	27	22	
CPM200	2.2	3		55			53	52.5	51.5	50.5	49.5	48.5	47	45.5	43.5	40	36.5	32.5	28

Performance Graph

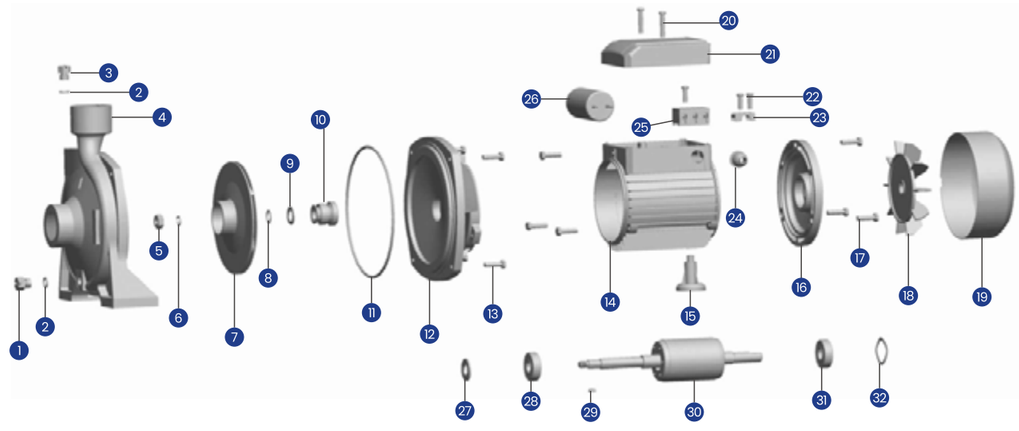


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
CPM130	1 "×1 "	9	285×185×230
CPM146	1 "×1 "	12	340×210×265
CPM158	1 "×1 "	13	340×210×265
CPM170	1¼"×1 "	19	390×240×290
CPM190	1¼"×1 "	23	390×240×320
CPM200	1¼"×1 "	30.5	455×280×340

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	12	Pump support	23	Cable presser
2	"O" ring	13	Bolt	24	Fairlead
3	Charge plug	14	Casing with wound stator	25	Terminal board
4	Pump casing	15	Stand	26	Capacitor
5	Nut	16	Driving cap	27	Drops guard
6	Spring gasket	17	Bolt	28	Bearing
7	Impeller	18	Fan	29	Key
8	Snap ring	19	Fan cover	30	Rotor
9	Washer	20	Bolt	31	Bearing
10	Mechanical seal	21	Terminal cover	32	Split ring
11	"O" ring	22	Screw		

CPM CENTRIFUGAL PUMPS

Application

Centrifugal single impeller low head water pumps for flow irrigation systems with high flow rate.
Suitable to pump clean water or non-aggressive liquid charged with small solid impurity. To be used in flow irrigation systems gardening. agriculture and industrial fittings.

Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

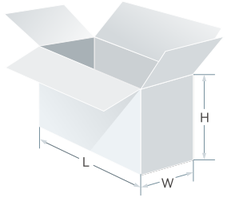
Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m

Motor

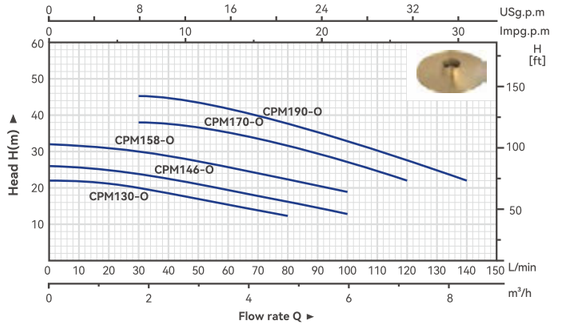
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
CPM130-O	1 "×1 "	9	285×185×230
CPM146-O	1 "×1 "	12	340×210×265
CPM158-O	1 "×1 "	13	340×210×265
CPM170-O	1¼"×1 "	19	390×240×290
CPM190-O	1¼"×1 "	23	390×240×320

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
CPM130-O	0.37	0.5		22	21.5	21	20.5	19	17	15	13	12.6							
CPM146-O	0.55	0.75		26	25.5	25	24.5	23	21	19	17	16.4	15	13					
CPM158-O	0.75	1	H	32	31.5	31	30	28.5	27	25	23.5	22	20	19					
CPM170-O	1.1	1.5		41			38	37	36	35	33.5	32	30	28	25	22			
CPM190-O	1.5	2		48			45.5	44.5	43.5	42.5	41.5	40.5	39	37	34.5	31	27	22	

CPM CENTRIFUGAL PUMPS

Application

Centrifugal single impeller low head water pumps for flow irrigation systems with high flow rate.
Suitable to pump clean water or non-aggressive liquid charged with small solid impurity. To be used in flow irrigation systems gardening. agriculture and industrial fittings.

Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

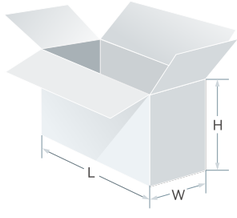
Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m

Motor

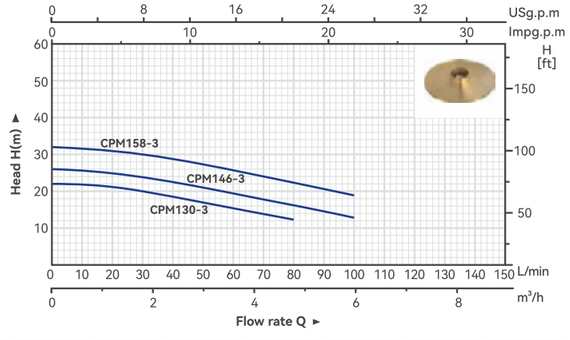
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
CPM130-3	1 "×1 "	9	285×185×230
CPM146-3	1 "×1 "	12	340×210×265
CPM158-3	1 "×1 "	13	340×210×265

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.8	6.0
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	80	100
CPM130-3	0.37	0.5		22	21.5	21	20.5	19	17	15	12.6	
CPM146-3	0.55	0.75	H	26	25.5	25	24.5	23	21	19	16.4	13
CPM158-3	0.75	1		32	31.5	31	30	28.5	27	25	22	19

CPM CENTRIFUGAL PUMPS

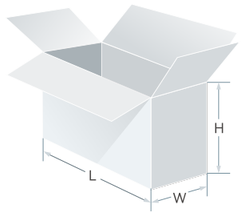
Application

Centrifugal single impeller low head water pumps for flow irrigation systems with high flow rate.
Suitable to pump clean water or non-aggressive liquid charged with small solid impurity. To be used in flow irrigation systems gardening. agriculture and industrial fittings.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m

Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CPM130-5	1 "×1 "	7.8	278×190×230
CPM158-5	1 "×1 "	9.4	320×210×265
CPM170-5	1¼"×1 "	17	400×240×290
CPM190-5	1¼"×1 "	18	400×240×320

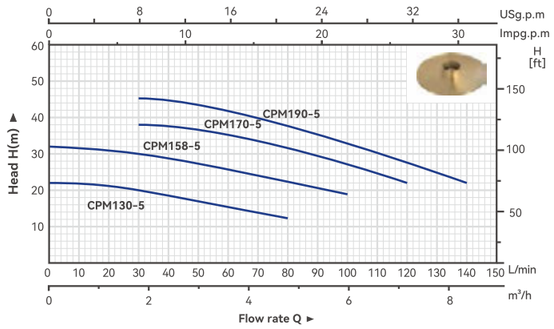
Component Construction

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
CPM130-5	0.37	0.5	H	22	21.5	21	20.5	19	17	15	13	12.6							
CPM158-5	0.75	1		32	31.5	31	30	28.5	27	25	23.5	22	20	19					
CPM170-5	1.1	1.5		41			38	37	36	35	33.5	32	30	28	25	22			
CPM190-5	1.5	2		48			45.5	44.5	43.5	42.5	41.5	40.5	39	37	34.5	31	27	22	

CM CENTRIFUGAL PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

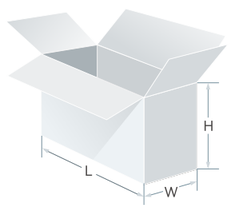
Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Package Size

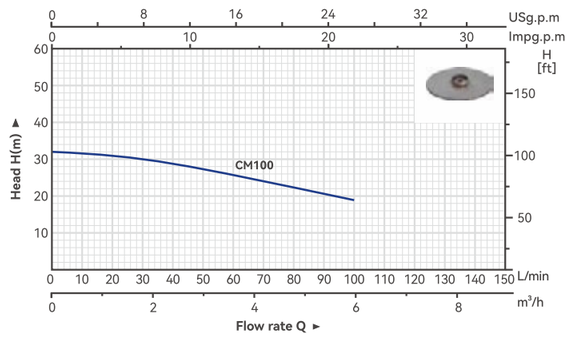


MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CM100	1 "×1 "	13.5	320×215×270

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m

PERFORMANCE CHART AT n=2850RPM



MODEL	INPUT POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.8	6.0
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	80	100
CM100	0.75	1	H	32	31.5	31	30	28.5	27	25	22	19

CP

CENTRIFUGAL PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m

Material

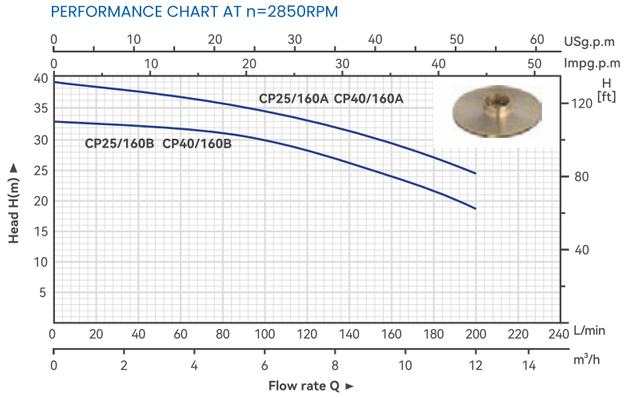
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Motor

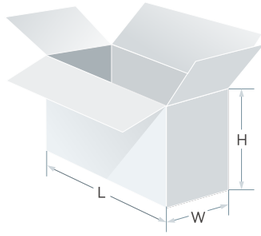
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		Q(m³/h)	0	3.0	3.6	4.8	5.4	6.6	7.5	9.6	12.0
	kW	HP	Q(L/min)	0	50	60	80	90	110	128	160	200
CP25/160B	1.1	1.5	H	33	32.4	32	31.5	30.5	29.7	27.4	24	18.9
CP40/160B	1.1	1.5		33	32.4	32	31.5	30.5	29.7	27.4	24	18.9
CP25/160A	1.5	2		38	37	36.8	36.7	36	34.9	33	29.5	24.4
CP40/160A	1.5	2		38	37	36.8	36.7	36	34.9	33	29.5	24.4

Performance Graph

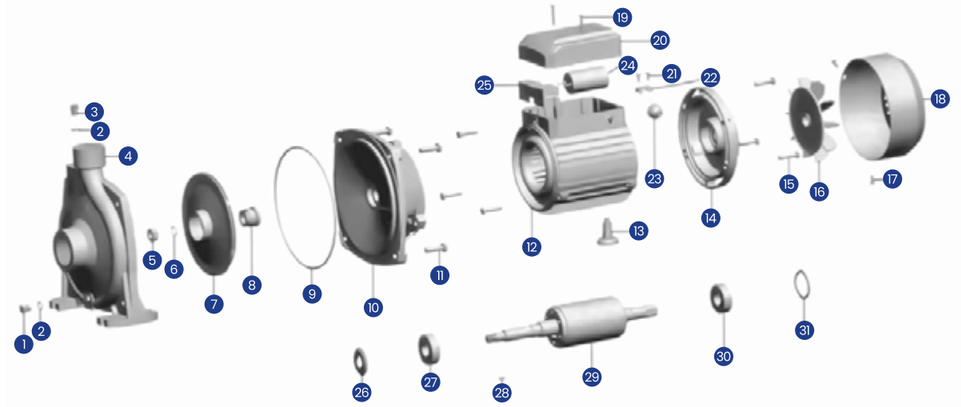


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
CP25/160B	1¼"×1 "	20	383×233×278
CP40/160B	1½"×1 "	20	383×233×278
CP25/160A	1¼"×1 "	21	383×233×278
CP40/160A	1½"×1 "	21	383×233×278

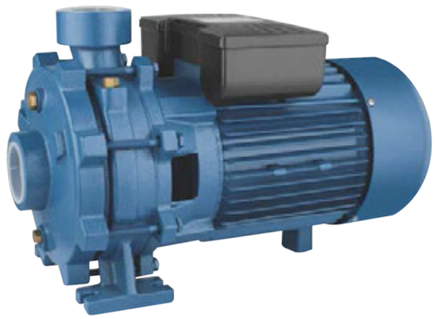
Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	12	Casing with wound stator	23	Fairlead
2	"O" ring	13	Stand	24	Capacitor
3	Charge plug	14	Driving cap	25	Terminal board
4	Pump casing	15	Bolt	26	Drops guard
5	Nut	16	Fan	27	Bearing
6	Spring gasket	17	Bolt	28	Key
7	Impeller	18	Fan cover	29	Rotor
8	Mechanical seal	19	Bolt	30	Bearing
9	"O" ring	20	Terminal cover	31	Split ring
10	Pump support	21	Screw		
11	Bolt	22	Cable presser		

2CPM

CENTRIFUGAL PUMPS



2CPM25/140

2CPM25/160A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The high efficiency and adaptability of these pumps to even the most unusual of applications, makes the ideal for use in the domestic, civil and industrial sectors, in particular for the distribution of water in combination with pressure sets, for pressure boosting and in fire-fightng sets.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC
- Total suction lift up to 8m

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

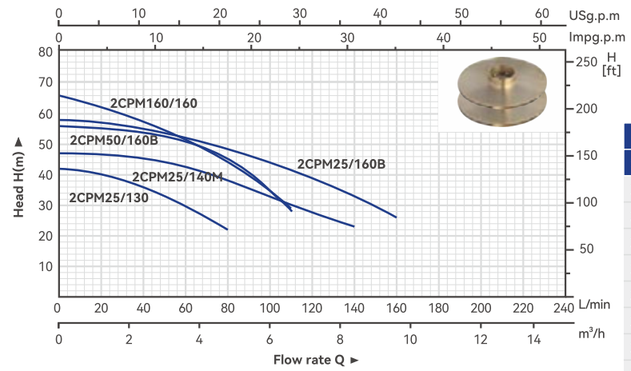
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

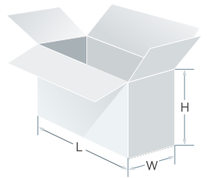
MODEL		POWER		Q(m³/h)	0	2.4	3.0	4.2	4.8	6.0	6.6	8.4	9.6	10.8
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)	0	40	50	70	80	100	1100	140	160	180
2CPM25/130	2CP25/130	0.75	1	H	42	36.2	32.5	28	22					
2CPM25/140M	2CP25/140M	1.1	1.5		47	46.7	45.4	41.7	38	34	30	23		
2CPM160/160	2CP160/160	1.5	2		66	60	55.0	49.8	44	36.4	29.5			
2CPM25/160B	2CP25/160B	1.5	2		58	56.4	54.3	51.4	48	44	39	33	26	
2CPM25/160A	2CP25/160A	2.2	3		68	66	63	60	57	54	50	43.5	36.2	28
2CPM32/200C	2CP32/200C	3	4		70	68	65	62	60	56.5	53.5	50	45.1	41
2CPM50/160B	2CP50/160B	1.5	2		56.5	54.5	50.5	46	41	35	28			
2CPM50/160A	2CP50/160A	2.2	3		68	63	59	54	50	46	42			

Performance Graph

PERFORMANCE CHART AT n=2850RPM

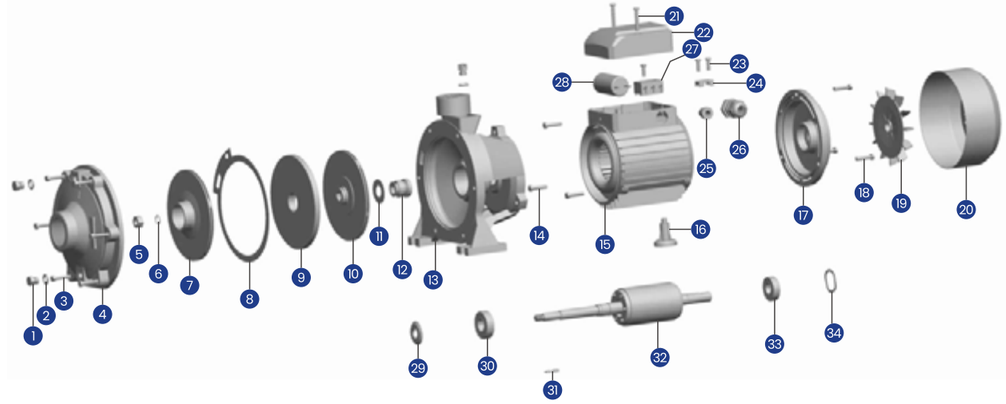


Package Size



MODEL		INLET/OUTLET	N.W	L×W×H
SINGLE PHASE	THREE PHASE	(Inch)	(Kg)	(mm)
2CPM25/130	2CP25/130	1¼"×1 "	15	370×225×260
2CPM25/140M	2CP25/140M	1½"×1 "	20.5	410×242×280
2CPM160/160	2CP160/160	1¼"×1 "	25	435×250×305
2CPM25/160B	2CP25/160B	1½"×1 "	25	435×250×305
2CPM25/160A	2CP25/160A	1½"×1 "	27	518×278×345
2CPM32/200C	2CP32/200C	1½"×1¼"	40	518×278×345
2CPM50/160B	2CP50/160B	2 "×2 "	38	450×260×330
2CPM50/160A	2CP50/160A	2 "×2 "	40	450×260×330

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	13	Pump support	25	Fairlead
2	"O" ring	14	Bolt	26	Nut
3	Bolt	15	Casing with wound stator	27	Terminal board
4	Pump casing	16	Stand	28	Capacitor
5	Nut	17	Driving cap	29	Drops guard
6	Spring gasket	18	Bolt	30	Bearing
7	Impeller	19	Fan	31	Key
8	Gasket	20	Fan cover	32	Rotor
9	Disc	21	Bolt	33	Bearing
10	Impeller	22	Terminal cover	34	Split ring
11	Snap ring	23	Screw		
12	Mechanical seal	24	Cable presser		

CBM

CENTRIFUGAL PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The high efficiency and adaptability of these pumps to even the most unusual of applications, makes the ideal for use in the domestic, civil and industrial sectors, in particular for the distribution of water in combination with pressure sets, for pressure boosting and in fire-fightng sets.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Operating Conditons

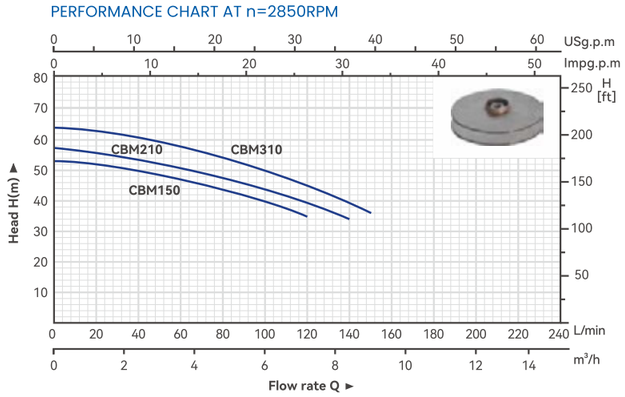
- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC
- Total suction lift up to 8m

Motor

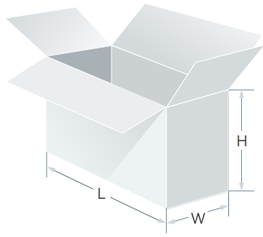
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		Q(m^3/h)	0	0.6	1.2	1.8	2.4	3.6	4.8	6	7.2	8.4	9
	kW	HP	Q(L/min)	0	10	20	30	40	60	80	100	120	140	150
CBM150	1.1	1.5		53	52.5	52	51	50	46.9	43.3	39.7	35		
CBM210	1.5	2	H	57.3	56.9	56	55.1	54	51.5	48.4	44.4	39.5	34	
CBM310	2.2	3		64	63.5	63	61.9	60.6	57.7	54.1	50	45.4	39.4	36

Performance Graph

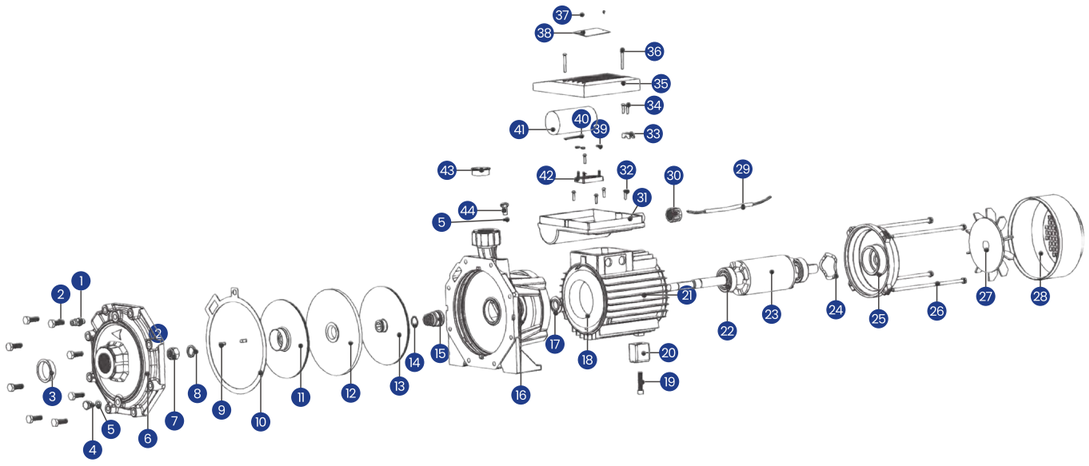


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
CBM150	1¼"×1"	23.6	410×260×300
CBM210	1¼"×1"	24.6	410×260×300
CBM310	1¼"×1"	26	420×260×300

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Air valve assembly	12	Disc	23	Rotor	34	Bolt
2	Bolt	13	Impeller	24	Split ring	35	Terminal cover
3	Dust cover	14	Snap ring	25	Driving cap	36	Bolt
4	Discharge plug	15	Meachanical seal	26	Bolt	37	Data plate
5	"O" ring	16	Pump support	27	Fan	38	Bolt
6	Pump casing	17	Drops guard	28	Fan cover	39	Nut
7	Nut	18	Rotor	29	Power cord	40	Double sided adhesive
8	Spring washers	19	Stand pin	30	Outlet bolt	41	Capacitor
9	Key	20	Stand	31	Terminal	42	Terminal board
10	Gasket	21	Casing with wound stator	32	Bolt	43	Dust cover
11	Impeller	22	Bearing	33	Cable presser	44	Discharge plug

SCM

CENTRIFUGAL PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Carbon/Ceramic

Motor

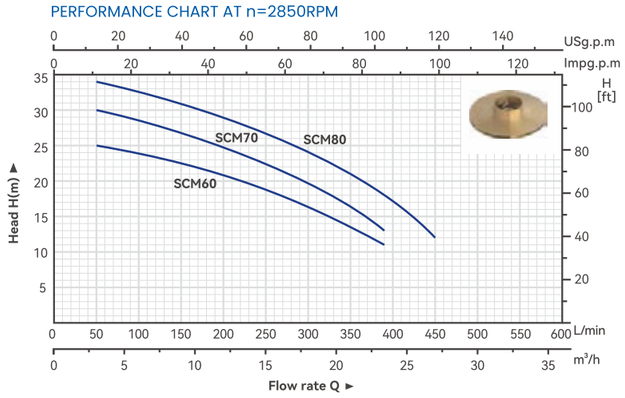
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Operating Conditons

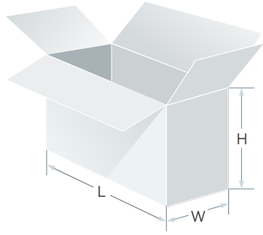
- Max.Working pressure 3.5 bar
- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC
- Total suction lift up to 8m
- Continuous duty

MODEL	INPUT POWER		Q(m^3/h)	0	3.6	7.2	10.8	14.4	18	21.6	23.4	25.2	27
	kW	HP	Q(L/min)	0	60	120	180	240	300	360	390	420	450
SCM60	1.1	1.5		25	25	23	21	19	16	13	11		
SCM70	1.5	2.0	H	30	29	28	25	23	20	16	13		
SCM80	2.2	3.0		34	33	32	30	27	24	22	19	16	12

Performance Graph

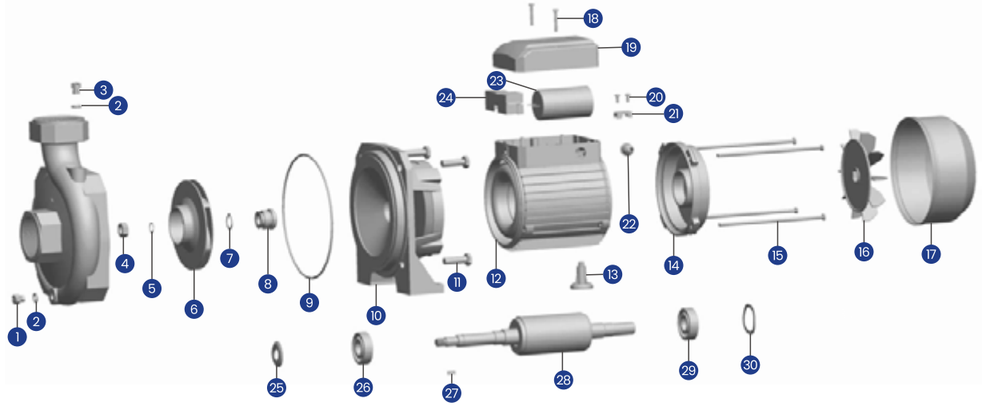


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
SCM60	2 "×2 "	21.2	403×245×310
SCM70	2 "×2 "	23.6	403×245×310
SCM80	2 "×2 "	29.8	500×250×295

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	11	Bolt	21	Cable presser
2	"O" ring	12	Casing with wound stator	22	Fairlead
3	Charge plug	13	Stand	23	Capacitor
4	Nut	14	Driving cap	24	Terminal board
5	Spring gasket	15	Tie-rod	25	Drops guard
6	Impeller	16	Fan	26	Bearing
7	Snap ring	17	Fan cover	27	Key
8	Mechanical seal	18	Bolt	28	Rotor
9	"O" ring	19	Terminal cover	29	Bearing
10	Pump support	20	Screw	30	Split ring

HFM

CENTRIFUGAL PUMPS

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities makes these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high flow rates and mid to low head are required.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Max.Working pressure 3.5 bar
- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m
- Continuous duty

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

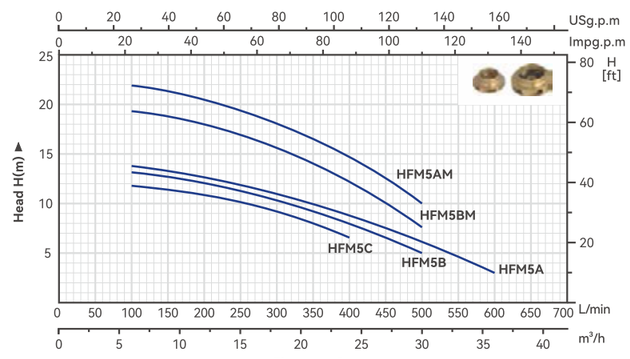
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

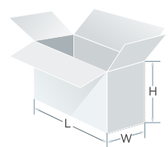
MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
GA1B	0.6	0.8	275	16	8	1630
GA1A	0.75	1.0	275	20	8	1630
HFM5C	0.6	0.8	500	12.5	8	1280
HFM5B	0.75	1.0	650	13.7	8	1280
HFM5A	1.1	1.5	650	14.5	8	1280
HFM5BM	1.1	1.5	600	20.2	8	950
HFM5AM	1.5	2.0	600	22.5	8	950
HFM6C	1.1	1.5	1100	11.9	8	670
HFM6B	1.5	2.0	1200	14.7	8	670
HFM6A	2.2	3.0	1300	18.5	8	600
HFM6CR	1.1	1.5	1100	11.9	8	670
HFM6BR	1.5	2.0	1200	14.7	8	670
HFM6AR	2.2	3.0	1300	18.5	8	600
HFM7BR	3.0	4.0	1300	21.8	8	600
HFM7AR	4.0	5.5	2200	18.8	8	320

Performance Graph

PERFORMANCE CHART AT n=2850RPM

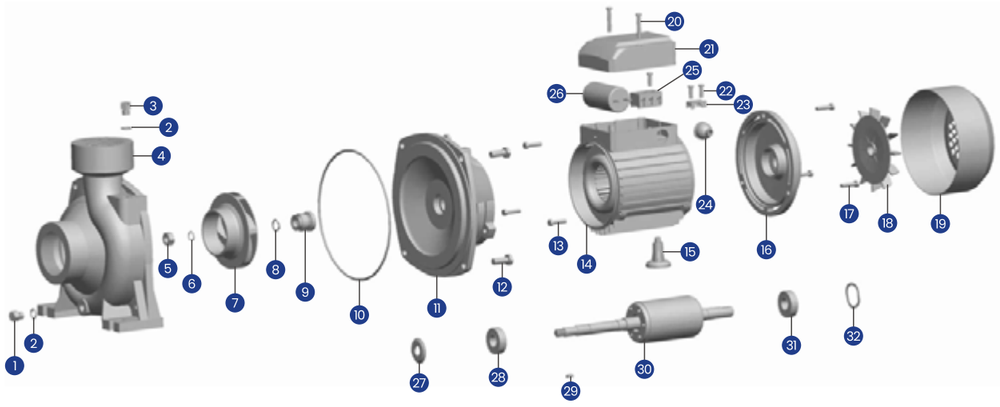


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
GA1B	1½"×1½"	11.5	322×205×270
GA1A	1½"×1½"	12	322×205×270
HFM5C	2"×2"	14.5	362×220×285
HFM5B	2"×2"	15.5	362×220×285
HFM5A	2"×2"	16	362×220×285
HFM5BM	2"×2"	20.5	417×252×296
HFM5AM	2"×2"	22	417×252×296
HFM6C	3"×3"	28	445×279×345
HFM6B	3"×3"	29	445×279×345
HFM6A	3"×3"	30	520×279×345
HFM6CR	4"×4"	29	445×279×345
HFM6BR	4"×4"	30	445×279×345
HFM6AR	4"×4"	32.5	530×279×345
HFM7BR	4"×4"	41	530×279×345
HFM7AR	4"×4"	85	600×340×440

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	12	Bolt	23	Cable presser
2	"O" ring	13	Bolt	24	Fairlead
3	Charge plug	14	Casing with wound stator	25	Terminal board
4	Pump casing	15	Stand	26	Capacitor
5	Nut	16	Driving cap	27	Drops guard
6	Spring gasket	17	Bolt	28	Bearing
7	Impeller	18	Fan	29	Key
8	Snap ring	19	Fan cover	30	Rotor
9	Mechanical seal	20	Bolt	31	Bearing
10	"O" ring	21	Terminal cover	32	Split ring
11	Pump support	22	Screw		

NF

CENTRIFUGAL PUMPS

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities makes these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high flow rates and mid to low head are required.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Max.Working pressure 3.5 bar
- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 8m
- Continuous duty

Material

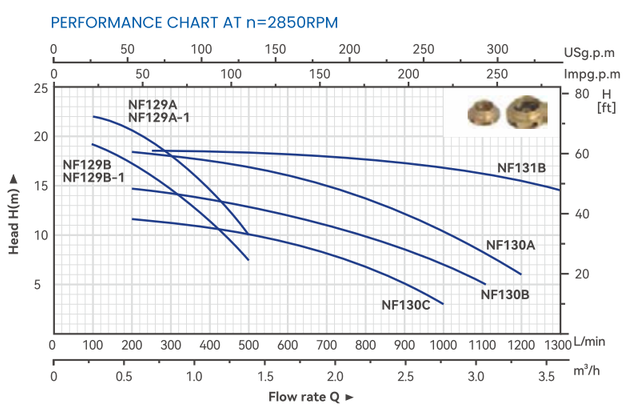
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Motor

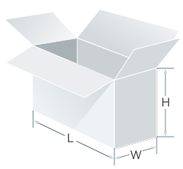
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
NF129B	1.1	1.5	600	20.2	8	780
NF129B-1	1.1	1.5	600	20.2	8	780
NF129A	1.5	2.0	600	22.5	8	780
NF129A-1	1.5	2.0	600	22.5	8	780
NF130C	1.1	1.5	1100	11.9	8	660
NF130B	1.5	2.0	1200	14.7	8	660
NF130A	2.2	3.0	1300	18.5	8	600
NF131B	3.7	5.0	2200	18.5	8	320
FM32/160C-1	1.5	2.0	450	25	8	650
FM32/160B-1	2.2	3.0	500	31	8	400
FM32/160A	3.0	4.0	500	38	8	400

Performance Graph

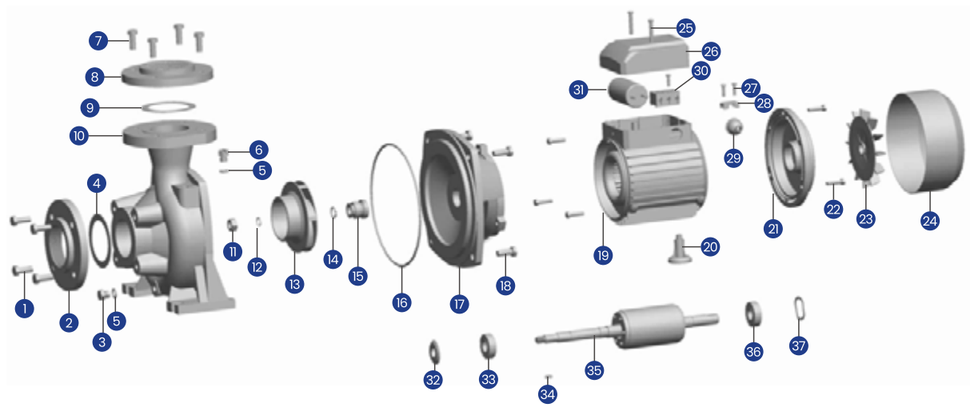


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
NF129B	2 "×2 "	20.5	427×275×320
NF129B-1	$2\frac{1}{2}$"×$2\frac{1}{2}$"	20.5	427×275×320
NF129A	2 "×2 "	22.5	427×275×320
NF129A-1	$2\frac{1}{2}$"×$2\frac{1}{2}$"	22.5	427×275×320
NF130C	3 "×3 "	28	460×272×355
NF130B	3 "×3 "	29	460×272×355
NF130A	3 "×3 "	39	520×295×375
NF131B	4 "×4 "	58	600×340×440
FM32/160C-1	2 "×2 "	31	480×260×360
FM32/160B-1	2 "×2 "	41	570×320×400
FM32/160A	2 "×2 "	45	570×320×400

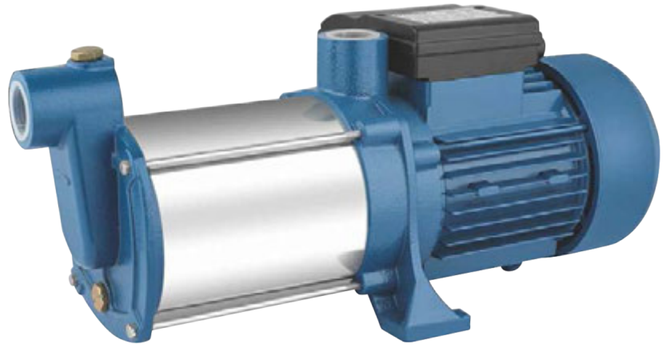
Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	14	Snap ring	27	Screw
2	Suction flange	15	Mechanical seal	28	Cable presser
3	Discharge plug	16	"O" ring	29	Fairlead
4	Suction gasket	17	Pump support	30	Terminal board
5	"O" ring	18	Bolt	31	Capacitor
6	Charge plug	19	Casing with wound stator	32	Drops guard
7	Bolt	20	Stand	33	Bearing
8	Delivery flange	21	Driving cap	34	Key
9	Delivery gasket	22	Bolt	35	Rotor
10	Pump casing	23	Fan	36	Bearing
11	Nut	24	Fan cover	37	Split ring
12	Spring gasket	25	Bolt		
13	Impeller	26	Terminal cover		

RS

HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS



Application

Suitable for use with clean water even where air is presentand with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases whereair is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Material

- Pump body: Cast iron+stainless steel
- Motor support: Cast iron
- Motor housing: Aluminum
- Impeller: PPO, AISI 304 if request
- Shaft: 45#Steel, AISI 416 stainless steel if request
- Mechanical seal: Carbon/Ceramic

Single phase 220V-230V/50Hz
Single phase 110V-127V/60Hz if request
Single/three phase 220V/60Hz if request

Operating Conditons

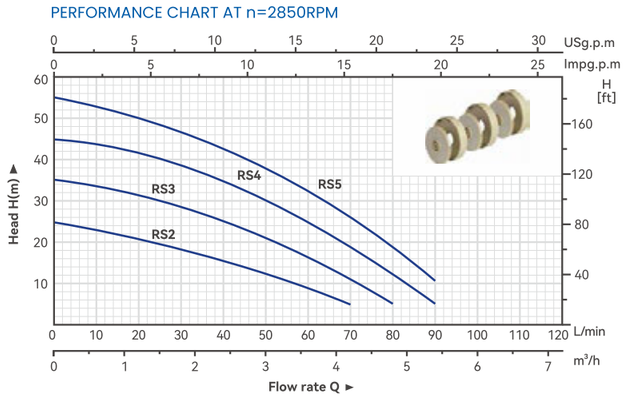
- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m
- Continuous duty

Motor

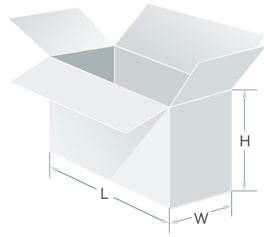
- Two-pole induction motor
- Insulation Class B, Class F if request
- Protection IP44, IP54 if request

MODEL	INPUT POWER		Q(m^3/h)	0	0.6	1.2	2.1	2.4	3.0	3.6	4.2	4.8	5.4
	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80	90
RS2	0.5	0.6	H	25	23	21	18	15	12	8	5		
RS3	0.6	0.8		35	33.5	31	28.5	25.5	21.5	16.5	11	5	
RS4	0.75	1		45	43.5	41	38.5	35	30.5	25.5	19.5	12.5	5
RS5	0.9	1.25		55	52.5	49.5	46.5	42.5	38	32	25	18	10.5

Performance Graph

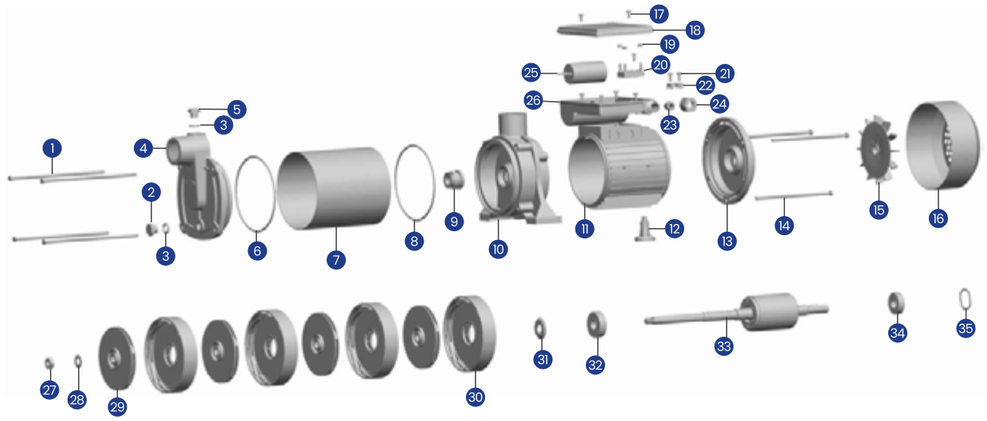


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
RS2	1 "×1 "	11.4	385×215×230
RS3	1 "×1 "	12.4	405×215×230
RS4	1 "×1 "	13.4	430×215×230
RS5	1 "×1 "	14.7	455×215×230

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Tie-rod	13	Tie-rod	25	Capacitor
2	Discharge plug	14	Discharge plug	26	Terminal box
3	"O" ring	15	"O" ring	27	Nut
4	Inlet casing	16	Inlet casing	28	Washer
5	Charge plug	17	Charge plug	29	Impeller
6	"O" ring	18	"O" ring	30	Diffuser
7	Pump casing	19	Pump casing	31	Drops guard
8	"O" ring	20	"O" ring	32	Bearing
9	Mechanical seal	21	Mechanical seal	33	Rotor
10	Pump support	22	Pump support	34	Bearing
11	Casing with wound stator	23	Casing with wound stator	35	Split ring
12	Stand	24	Stand		

SGJ

SELF-PRIMING JET PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

Material

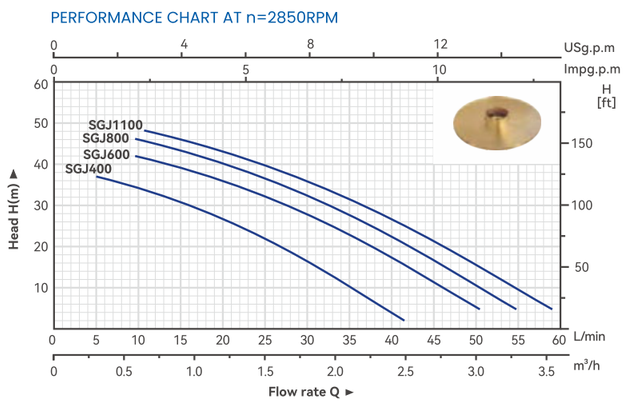
- Pump body: AISI304 SS
- Pump support: Aluminum
- Motor housing: Aluminum
- Impeller: Brass, AISI304 SS if request
- Diffuser: Noryl
- Motor shaft: AISI304 SS
- Mechanical seal: SIC/Graphite

Motor

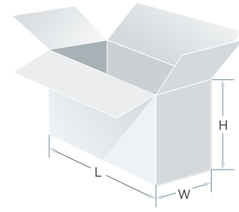
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.8	2.1	3	3.6
	kW	HP	Q(L/min)	0	5	10	15	20	30	35	50	60
SGJ400	0.4	0.5		28.0	24.0	20.0	17.0	14.0	12.0	10.0	9.0	
SGJ600	0.6	0.8		38.0	34.0	29.0	25.0	21.0	18.0	15.0	13.0	
SGJ800	0.8	1.1	H	42.0	37.0	32.0	27.0	23.5	20.0	17.0	15.0	
SGJ1100	1.1	1.5		45.0	41.0	37.0	33.0	29.0	26.0	23.0	21.0	20
SGJ800+24L	0.8	1.1		42.0	37.0	32.0	27.0	29.0	20.0	17.0	15.0	

Performance Graph

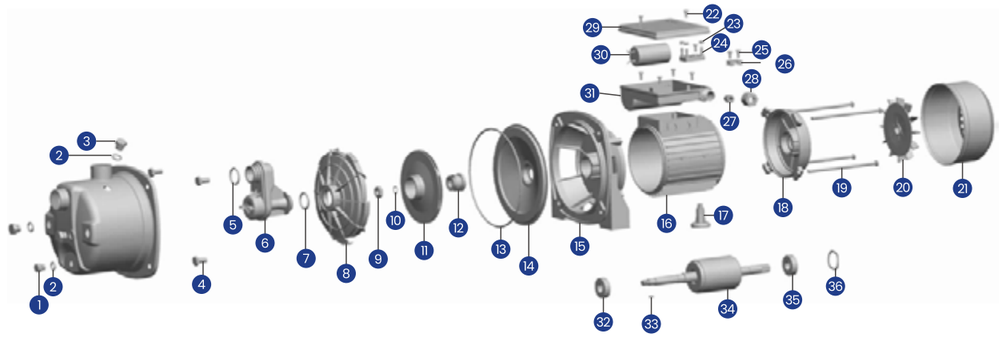


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
SGJ400	1 "×1 "	6	350×195×215
SGJ600	1 "×1 "	6.4	350×195×215
SGJ800	1 "×1 "	9	410×210×240
SGJ1100	1 "×1 "	9.7	410×210×240
SGJ800+24L	1 "×1 "	14.5	535×300×600

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	13	"O" ring	25	Screw
2	"O" ring	14	Pump casing cover	26	Cable presser
3	Charge plug	15	Pump support	27	Fairlead
4	Bolt	16	Casing with wound stator	28	Nut
5	"O" ring	17	Stand	29	Terminal cover
6	Venturi pipe	18	Driving cap	30	Capacitor
7	"O" ring	19	Tie-rod	31	Terminal box
8	Diffuser	20	Fan	32	Bearing
9	Nut	21	Fan cover	33	Key
10	Spring gasket	22	Screw	34	Rotor
11	Impeller	23	Nut	35	Bearing
12	Mechanical seal	24	Terminal board	36	Split ring

JSW SELF-PRIMING JET PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

Material

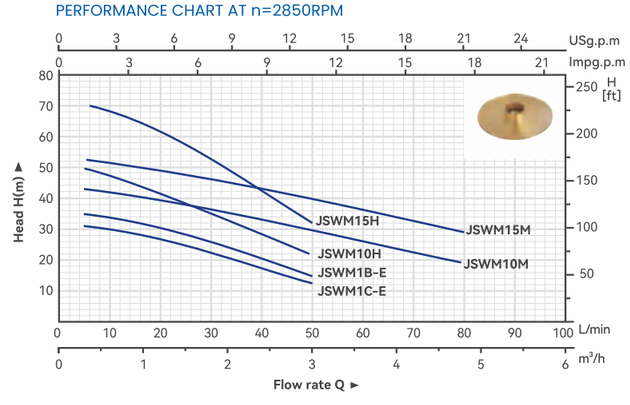
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Motor

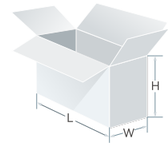
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
JSWM1C-E	0.37	0.5	60	35	9	1870
JSWM1B-E	0.5	0.7	60	41	9	1870
JSWM10M	0.75	1.0	90	45	9	1490
JSWM15M	1.1	1.5	90	55	9	1490
JSWM10H	0.75	1.0	60	56	9	1490
JSWM15H	1.1	1.5	60	72	9	1490
JSWM3CH	1.1	1.5	80	64	9	800
JSWM3BH	1.5	2	100	76	9	800
JSWM3CM	1.1	1.5	140	52	9	800
JSWM3BM	1.5	2	140	60	9	800
JSWM3CL	1.1	1.5	180	42	9	800
JSWM3BL	1.5	2	180	51	9	800
JSWM15M+24L	1.1	1.5	90	55	9	300

Performance Graph

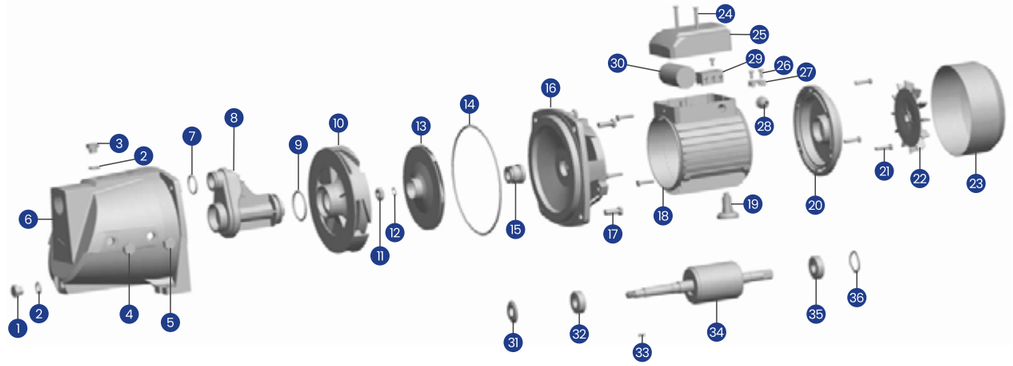


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
JSWM1C-E	1 "×1 "	9.5	395×186×214
JSWM1B-E	1 "×1 "	10.5	395×186×214
JSWM10M	1 "×1 "	15	438×196×235
JSWM15M	1 "×1 "	15.5	438×196×235
JSWM10H	1 "×1 "	15	438×196×235
JSWM15H	1 "×1 "	15.5	438×196×235
JSWM3CH	1¼"×1 "	24	573×238×270
JSWM3BH	1¼"×1 "	25	573×238×270
JSWM3CM	1¼"×1 "	24	573×238×270
JSWM3BM	1¼"×1 "	25	573×238×270
JSWM3CL	1¼"×1 "	24	573×238×270
JSWM3BL	1¼"×1 "	25	573×238×270
JSWM15M+24L	1 "×1 "	24.5	535×305×598

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	13	Impeller	25	Terminal board
2	"O" ring	14	"O" ring	26	Screw
3	Charge plug	15	Mechanical seal	27	Cable presser
4	Gauge plug	16	Pump support	28	Fairlead
5	Switch plug	17	Bolt	29	Terminal board
6	Pump casing	18	Casing with wound stator	30	Capacitor
7	"O" ring	19	Stand	31	Drops guard
8	Venturi pipe	20	Driving cap	32	Bearing
9	"O" ring	21	Bolt	33	Key
10	Diffuser	22	Fan	34	Rotor
11	Nut	23	Fan cover	35	Bearing
12	Spring gasket	24	Bolt	36	Split ring

JSW SELF-PRIMING JET PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

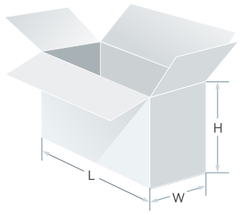
Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

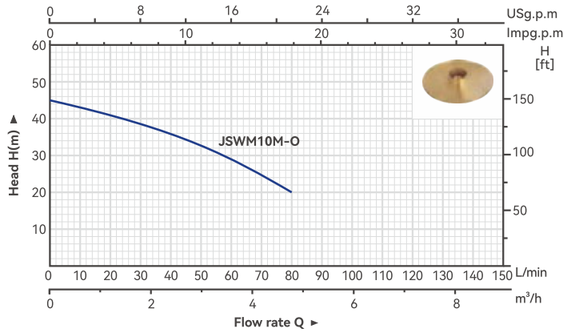
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Package Size



PERFORMANCE CHART AT n=2850RPM



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
JSWM10M-O	1 "×1 "	9	460×200×235

MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.9	1.2	1.5	2.4	3.0	3.6	4.2	4.8
	kW	HP	Q(L/min)	0	5	15	20	25	40	50	60	70	80
JSWM10M-O	0.75	1	H	45	42	38	35	32	29	26	24	22	20

CAM SELF-PRIMING JET PUMPS

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

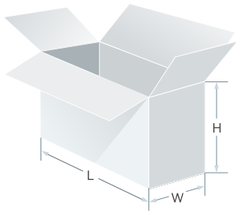
Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

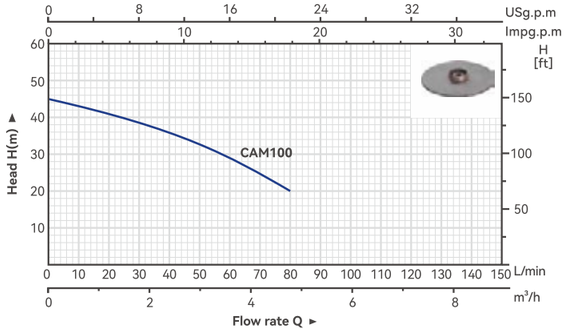
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Package Size



PERFORMANCE CHART AT n=2850RPM



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CAM100	1 "×1 "	9	460×215×245

MODEL	INPUT POWER		Q(m³/h)	0	0.3	0.9	1.2	1.5	2.4	3.0	3.6	4.2	4.8
	kW	HP	Q(L/min)	0	5	15	20	25	40	50	60	70	80
CAM100	0.75	1	H	45	42	38	35	32	29	26	24	22	20

JET

SELF-PRIMING JET PUMPS

JET100L

JET100S

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

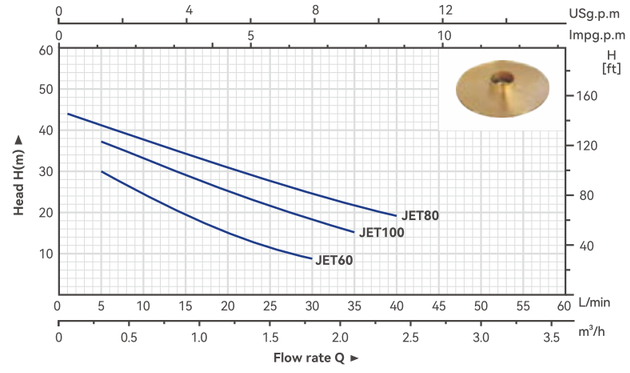
Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

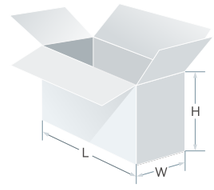
MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
JET60L	0.37	0.5	40	38	9	1370
JET80L	0.55	0.75	50	42	9	1280
JET100L	0.75	1	60	45	9	1280
JET60LB	0.37	0.5	40	38	9	1370
JET80LB	0.55	0.75	50	42	9	1280
JET100LB	0.75	1	60	45	9	1280
JET60S	0.37	0.5	40	38	9	1370
JET80S	0.55	0.75	50	42	9	1280
JET100S	0.75	1	60	45	9	1280
JET80S+24L	0.55	0.75	50	42	9	350

Performance Graph

PERFORMANCE CHART AT n=2850RPM

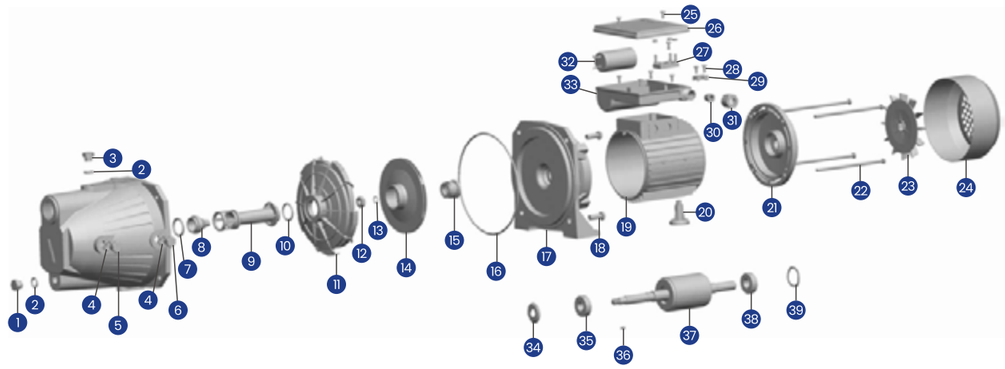


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
JET60L	1 "×1 "	12	467×198×232
JET80L	1 "×1 "	14	475×190×220
JET100L	1 "×1 "	15	475×190×220
JET60LB	1 "×1 "	12	467×198×232
JET80LB	1 "×1 "	14	475×190×220
JET100LB	1 "×1 "	15	475×190×220
JET60S	1 "×1 "	10	385×190×220
JET80S	1 "×1 "	10.6	385×190×220
JET100S	1 "×1 "	12.5	420×200×220
JET80S+24L	1 "×1 "	15.3	500×295×550

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	14	Impeller	27	Terminal board
2	"O" ring	15	Mechanical seal	28	Screw
3	Charge plug	16	"O" ring	29	Cable presser
4	"O" ring	17	Pump support	30	Fairlead
5	Gauge plug	18	Bolt	31	Nut
6	Switch plug	19	Casing with wound stator	32	Capacitor
7	"O" ring	20	Stand	33	Terminal board
8	Nozzle	21	Driving cap	34	Drops guard
9	Venturi pipe	22	Tie-rod	35	Bearing
10	"O" ring	23	Fan	36	Key
11	Diffuser	24	Fan cover	37	Rotor
12	Nut	25	Screw	38	Bearing
13	Spring gasket	26	Terminal cover	39	Split ring

ZGD SCREW SELF-PRIMING PUMPS

ZGD2.5-80-750S

ZGD2.5-80-750R

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

Material

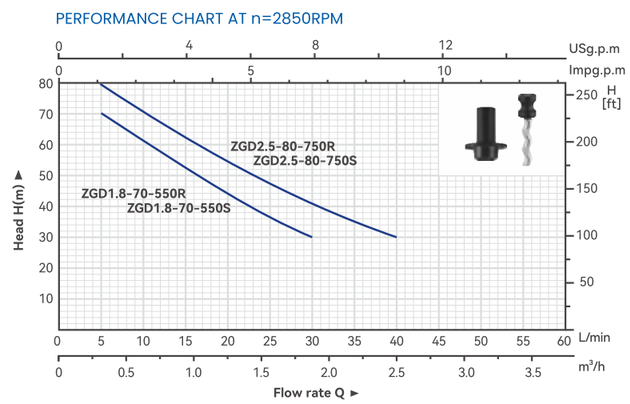
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Screw
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SIC/Graphite

Motor

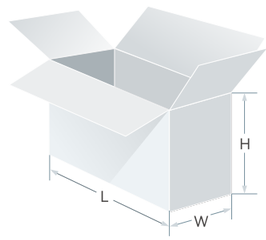
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	INPUT POWER		Q(m³/h)	0	0.6	0.9	1.2	1.8	2.1	2.5
	kW	HP	Q(L/min)	0	10	15	20	30	35	40
ZGD1.8-70-550R	0.55	0.75	H	75	50	30	20	10		
ZGD2.5-80-750R	0.75	1		85	60	50	40	30	20	10
ZGD1.8-70-550S	0.55	0.75		75	50	30	20	10		
ZGD2.5-80-750S	0.75	1		85	60	50	40	30	20	10

Performance Graph

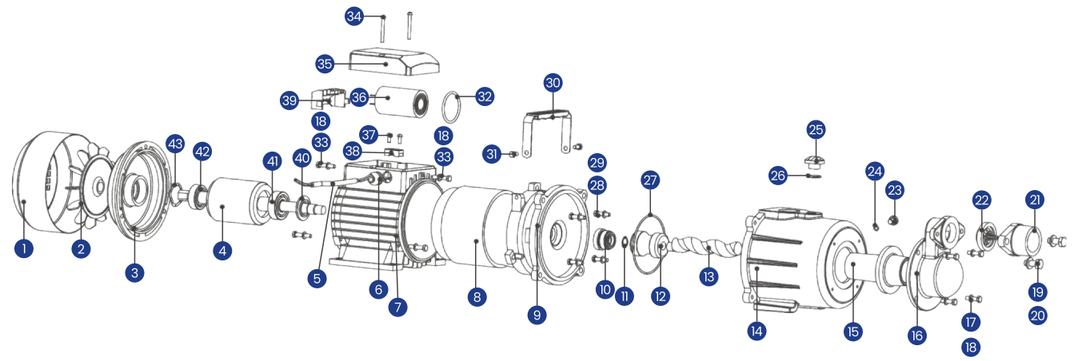


Package Size



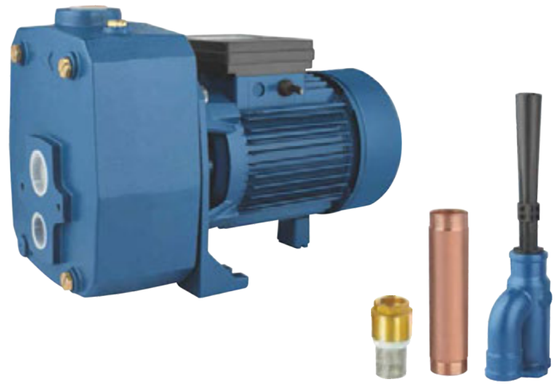
MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
ZGD1.8-70-550R	1 "×1 "	11.6	465×185×220
ZGD2.5-80-750R	1 "×1 "	12.4	465×185×220
ZGD1.8-70-550S	1 "×1 "	11.4	465×185×220
ZGD2.5-80-750S	1 "×1 "	12.2	465×185×220

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Fan cover	12	Support	23	Charge plug	34	Bolt
2	Fan	13	Screw	24	"O" ring	35	Terminal cover
3	Driving cap	14	Pump casing	25	Charge plug	36	Capacitor
4	Rotor	15	Screw cap	26	"O" ring	37	Bolt
5	Power cord	16	Pump casing cap	27	"O" ring	38	Cable presser
6	Fairlead	17	Charge plug	28	Charge plug	39	Terminal board
7	Machine barrels	18	Spring washers	29	Spring washers	40	Drops guard
8	Stator	19	Charge plug	30	Handle	41	Bearing
9	Pump support	20	Spring washers	31	Charge plug	42	Bearing
10	Mechanical seal	21	Water inlet cover	32	"O" ring	43	Split ring
11	Snap ring	22	Check valve	33	Charge plug		

DP JET PUMPS FOR DEEP WELL



Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water fromsmall and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC

Material

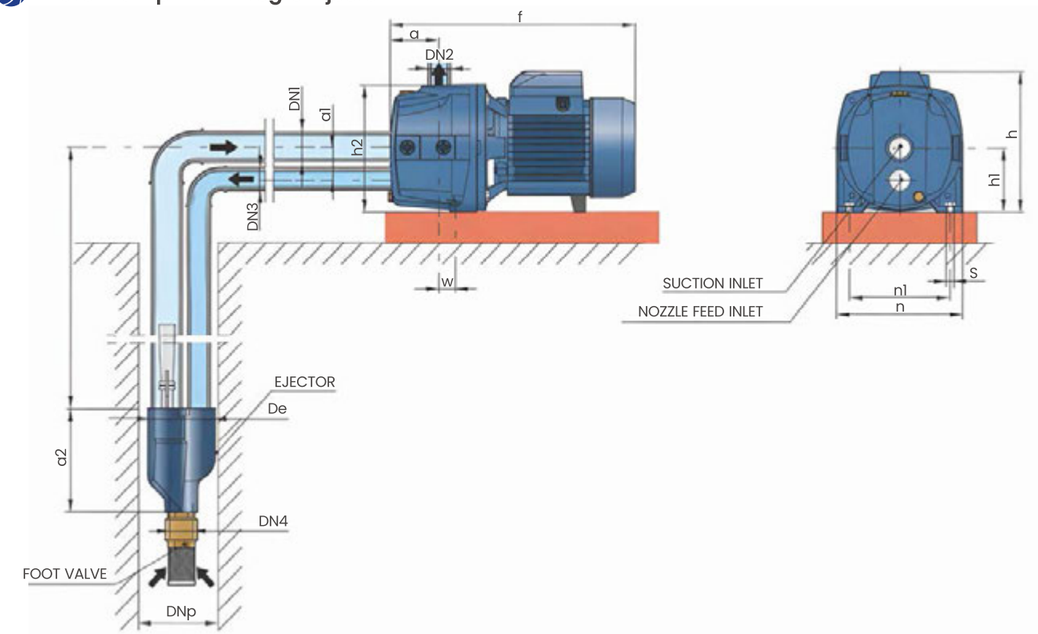
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

MODEL	DP195	DP255	DP370	DP505	DP750
POWER(kW)	0.37	0.55	0.75	1.1	1.5
POWER(HP)	0.5	0.75	1.0	1.5	2.0
EJECTOR TYPE	E20 E30	E20 E30	E20 E30	E20 E30	E20 E30
DISCHARGE HEAD / SUCTION DEPTH	10 15 20 30	10 15 20 30	10 15 20 40	10 15 20 35 40 50	10 15 20 35 40 50
10	2000 1300 600 400	3000 2000 1000 600			
20	1300 800 500 300	3000 1200 800 400	2500 1500 1100 900	4000 3300 2000 1300 1100 900	4500 3500 2300 1600 1300 1200
30	500 200 300 100	700 300 400 200	1000 800 1000 800	3000 2100 1800 1200 1000 800	3500 2400 2100 1500 1300 1100
40			500 200 700 200	2000 1600 1600 1100 900 700	2500 1900 1900 1400 1200 1000
50				1700 1500 1100 900 500 400	2000 1800 1400 1200 800 700

Water Pump With Integral Ejector



Performance Parameters

DP JET PUMPS FOR DEEP WELLS						
MODEL		DP195	DP255	DP370	DP505	DP750
POWER(kW)		0.37	0.55	0.75	1.1	1.5
POWER(HP)		0.5	0.75	1.0	1.5	2.0
MAX.FLOW(L/min)		28	28	28	30	30
MAX.HEAD(m)		50	60	80	100	120
MAX.SUCT(m)		25	25	25	35	45
GW(kg)		13.2	16	19	32.2	34
PACKING DIMENSION(mm)		423×278×230	423×288×245	423×288×245	525×235×295	525×235×295
QUANTITY(PCS/20'TEU)		1115	1000	1000	830	830
DNP		4 "	4 "	4 "	4 "	4 "
DN1		$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "
DN2		1 "	1 "	1 "	1 "	1 "
DN3		1 "	1 "	1 "	1 "	1 "
DN4		1 "	1 "	1 "	1 "	1 "
DE		97	97	97	97	97
Medimension(mm)	a	91	91	91	55	55
	a1	45	45	45	55	55
	a2	142	142	142	142	142
	f	375	375	375	384	384
	f1	5185	5185	5185	455	455
	h	193	193	193	255	255
	h1	94	94	94	221	221
	i	177	177	177	255	255
	n	184	184	184	198	198
	n1	142	142	142	145	145
	w	100	100	100	120	120
	s	10	10	10	10	10

JDW

JET PUMPS FOR DEEP WELL

Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water fromsmall and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditons

- Liquid temperature up to 60ºC
- Ambient temperature up to 40ºC

Material

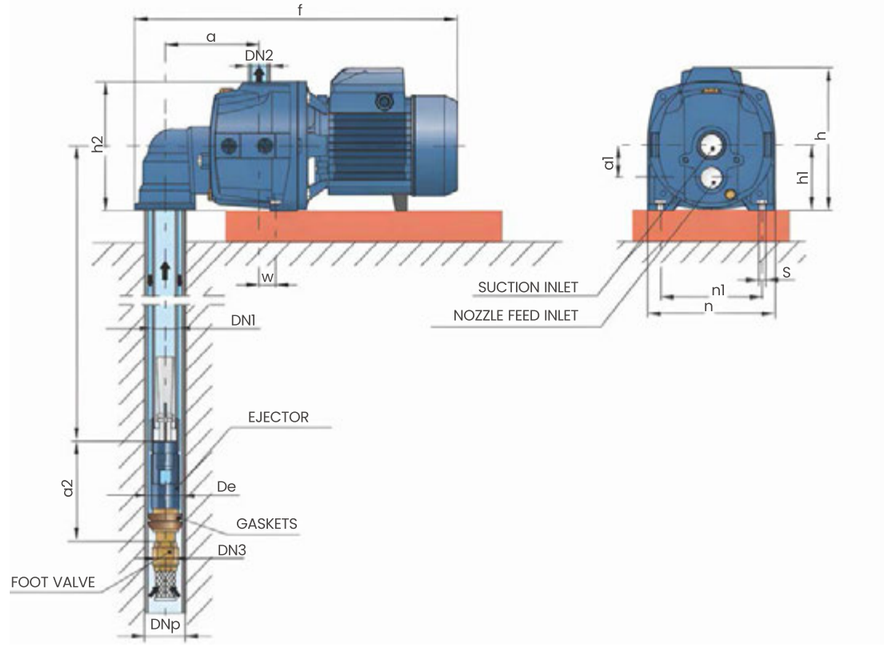
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SIC/Graphite

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

JDW JET PUMPS FOR DEEP WELLS													
MODEL	INPUT POWER		HS	FLOW RATE LITRES/HOUR									
				0	120	240	360	480	600	720	840	960	1080	1200
	kW	HP		TOTAL DYNAMIC HEAD IN METERS										
JDW1A-2	0.75	1.0	15	50	46	42	39	35	32	30	27	24	21	19
JDW2A-2	1.1	1.5	15	85	78	74	70	66	61	57	53	48	44	40
JDW1A-2	0.75	1.0	20	38	33	29	26	23	21	18	16	14		
JDW2A-2	1.1	1.5	20	71	63	58	84	50	46	43	39	36	34	
JDW1A-2	0.75	1.0	25	32	28	25	23	20	21	17	14			
JDW2A-2	1.1	1.5	25	64	59	55	51	47	46	43	39	36		
JDW1A-2	0.75	1.0	30	27	22	18	15							
JDW2A-2	1.1	1.5	30	56	50	46	42							
JDW1A-2	0.75	1.0	35	21	15			38	34					
JDW2A-2	1.1	1.5	35	51	45	41	37	33						
JDW2A-2	1.1	1.5	41	36	33									
JDW2A-2	1.1	1.5	36	30										

Water Pump With Integral Ejector



Performance Parameters

JDW JET PUMPS FOR DEEP WELLS			
MODEL		JDW 1A-2	JDW 2A-2
POWER(kW)		0.75	1.1
POWER(HP)		1.0	1.5
INLET/OUTLET		$1\frac{1}{4}$"×1 "×1 "	$1\frac{1}{4}$"×1 "×1 "
MAX.FLOW(L/min)		28	30
MAX.HEAD(m)		80	100
MAX.SUCT(m)		25	35
GW(kg)		19	32.2
PACKING DIMENSION(mm)		423×288×245	525×235×295
QUANTITY(PCS/20'TEU)		1010	760
DNP		2 "	2 "
DN1		$1\frac{1}{4}$"	$1\frac{1}{4}$"
DN2		1 "	1 "
DN3		1 "	1 "
DE		49	49
Medimension(mm)	a	75	75
	a1	46	46
	a2	123	123
	f	374	374
	h	206	206
	h1	97	97
	i	184	184
	n	190	190
	n1	149	149
	w	24	24
	s	10	10

TK CENTRIFUGAL PUMPS

TK370

TK550

TK1100

Application & Installation

They are recommended for pumping clean water without abrassive particles and liquid are chemically non-aggressive to the materials of which the pump is made.
They are suitable for domestic use and in particular for delivering water in combination small automatic pressure sets, as well as for irrigation
The pumps shall be installed in enclosed places, or at least protected against inclement.

Operating Conditons

- Suction lift up to 8m
- Liquid temperature up to +40°C
- Ambient temperature up to +40°C

Material

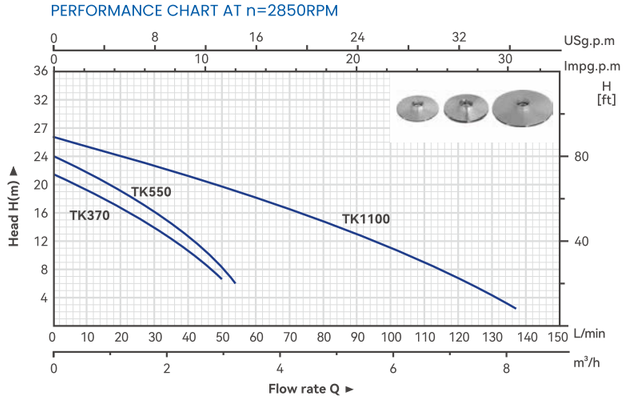
- Pump body: Aluminum.
- Impeller: Aluminum and POM
- Motor Shaft: Stainless steel
- Mechnical Seal: Ceramic-graphite.
- Insulation: Call F
- Protection: IP44

Range Of Performance

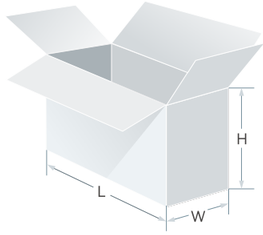
- Flow rate up to 137 L/min(8m³/h)
- Head up to 26m

MODEL	INPUT POWER		Q(m³/h)	0	1	1.5	2	2.5	3	4	6	7.5	8.2
	kW	HP	Q(L/min)	0	17	25	33	42	50	67	100	125	137
TK370	0.37	0.5		22	20	18	15	11	6				
TK550	0.55	0.75	H	24	22	20	17	13	8				
TK1100	1.1	1.5		26	25	23.5	22	20	18	15	11.5	7	3

Performance Graph

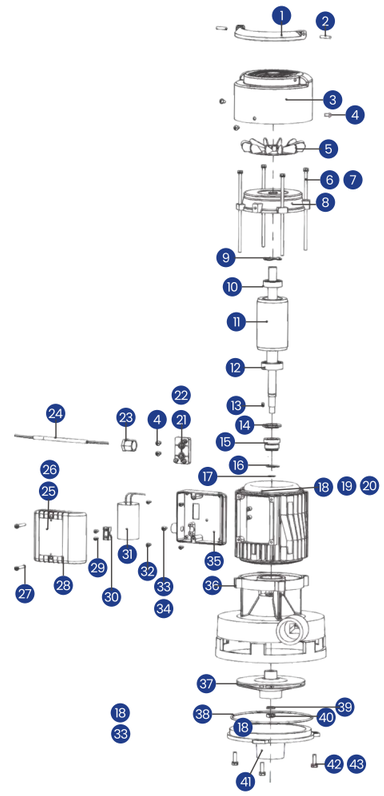


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
TK370	$\frac{3}{4}$"×$\frac{3}{4}$"	5.7	240×240×300
TK550	$\frac{3}{4}$"×$\frac{3}{4}$"	7.5	245×245×325
TK1100	$1\frac{1}{4}$"×$1\frac{1}{4}$"	10	245×245×385

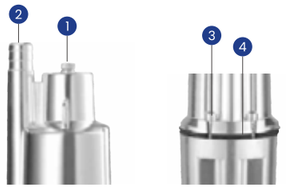
Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION
1	Handle	23	Terminal box nut
2	Key	24	Power cord
3	Fan cover	25	Nameplate
4	Screw	26	Rivet
5	Fan	27	Screw
6	Bolt	28	Terminal box place
7	Washers	29	Screw
8	Driving cap	30	Cable presser
9	Split ring	31	Capacitor
10	Bearing	32	Screw
11	Rotor	33	Screw
12	Bearing	34	Washers
13	Key	35	Terminal box cover
14	Drops guard	36	Pump casing
15	Mechanical seal	37	Impeller
16	Spring washers	38	Washers
17	Snap ring	39	"O" ring
18	Stator	40	Nut
19	Temperature protector	41	Pump body
20	Casing with vound stator	42	Washers
21	Terminal board	43	Bolt
22	Nut		

VMP 180/280 VIBRATION PUMPS

VMP 180 VMP 280



SELECT:

- ① Rubber ☐ Screw ☐
- ② Female screw ☐ Male screw ☐
- ③ Hexagonal Screw ☐ Cross screw ☐
- ④ Brown ☐ Black ☐

Pump Installation & Application

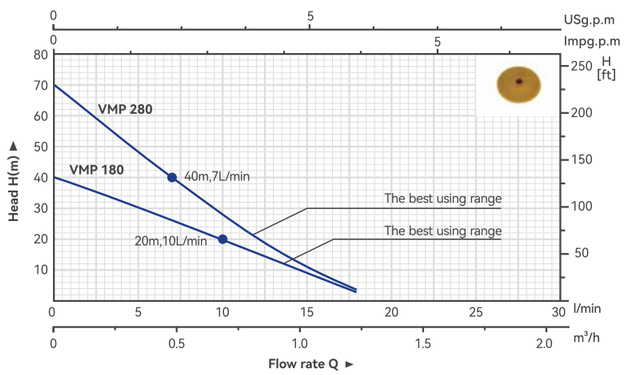
VMP series clean-water submersible pump is the most extensively used pump suitable for arable land irrigation, mine water drainage, as well as for flood control campaign, It is compactness in construction, tightness in sealing quality, high efficiency in energy-conservation, and long durability for use as well. It is suitable for river, lake and well etc.

Accessories

Rope, Impeller,Clap, Check-valve.

Performance Graph

PERFORMANCE CHART AT n=2850RPM



Technical Data

• Suitable fluids	
• Clean water	
• Performance	
• Fluid temperature range	0~40 ℃
• Max. working pressure	8 bar
• Power	
• Single phase	220V±5%/50~60Hz

Motor

• Degree of protection	IP68
• Insulation class	B
• Insulation	F
• Construction Materials	
• Pump body	aluminium
• Motor body	aluminium
• Impeller	rubber
• Shaft	40Cr Steel

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	OUTLET (MM)	GW(Kg)	PUMP DIAMETER (MM)	PACKING SIZE (MM)	QUANTITY (Set)
	kW	HP							
VMP 180	0.18	0.24	18	40	17	3.0	76	345×220×265/4PCS	6000
VMP 280	0.28	0.38	18	70	19	4.0	98	380×250×320/4PCS	4000

VMP 350 VIBRATION PUMPS

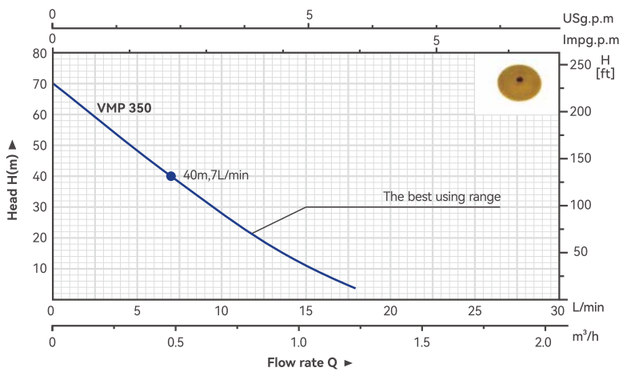
VMP 350 VMP 350-2

Pump Installation & Application

VMP series clean-water submersible pump is the most extensively used pump suitable for arable land irrigation, mine water drainage, as well as for flood control campaign, It is compactness in construction, tightness in sealing quality, high efficiency in energy-conservation, and long durability for use as well. It is suitable for river, lake and well etc.

Performance Graph

PERFORMANCE CHART AT n=2850RPM



Technical Data

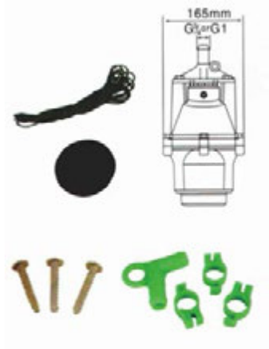
• Suitable fluids	
• Clean water	
• Performance	
• Fluid temperature range	0~40 ℃
• Max. working pressure	8 bar
• Power	
• Single phase	220V±5%/50~60Hz

Motor

• Degree of protection	IP68
• Insulation class	B
• Insulation	F
• Construction Materials	
• Pump body	aluminium
• Motor body	aluminium
• Impeller	rubber
• Shaft	40Cr Steel

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	OUTLET (MM)	GW(Kg)	PUMP DIAMETER (MM)	PACKING SIZE (MM)	QUANTITY (Set)
	kW	HP							
VMP 350	0.35	0.5	20	75	19	4.5	98	360×260×330/4PCS	3900
VMP 350-2	0.35	0.5	20	75	19	4.5	98	350×350×350/4PCS	3900

VMP 800
VIBRATION PUMPS

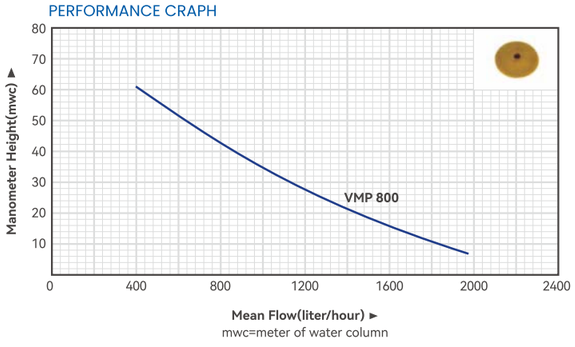


Pump Installation & Application

VMP series clean-water submersible pump is the most extensively used pump suitable for arable land irrigation, mine water drainage, as well as for flood control campaign, It is compactness in construction, tightness in sealing quality, high efficiency in energy-conservation, and long durability for use as well. It is suitable for river, lake and well etc.

Performance Graph

PERFORMANCE CRAPH



mwc=meter of water column

Manometer Height(mwc)								
		0	10	20	30	40	50	65
Mean Flow(liter/hour)								
110V/220V	f=60hz	1970	1650	1300	1100	800	730	550
110V/220V	f=60hz	2300	1800	1480	1200	1000	850	750

Accessories

Rope, Impeller,Clap, Check-valve.

Technical Data

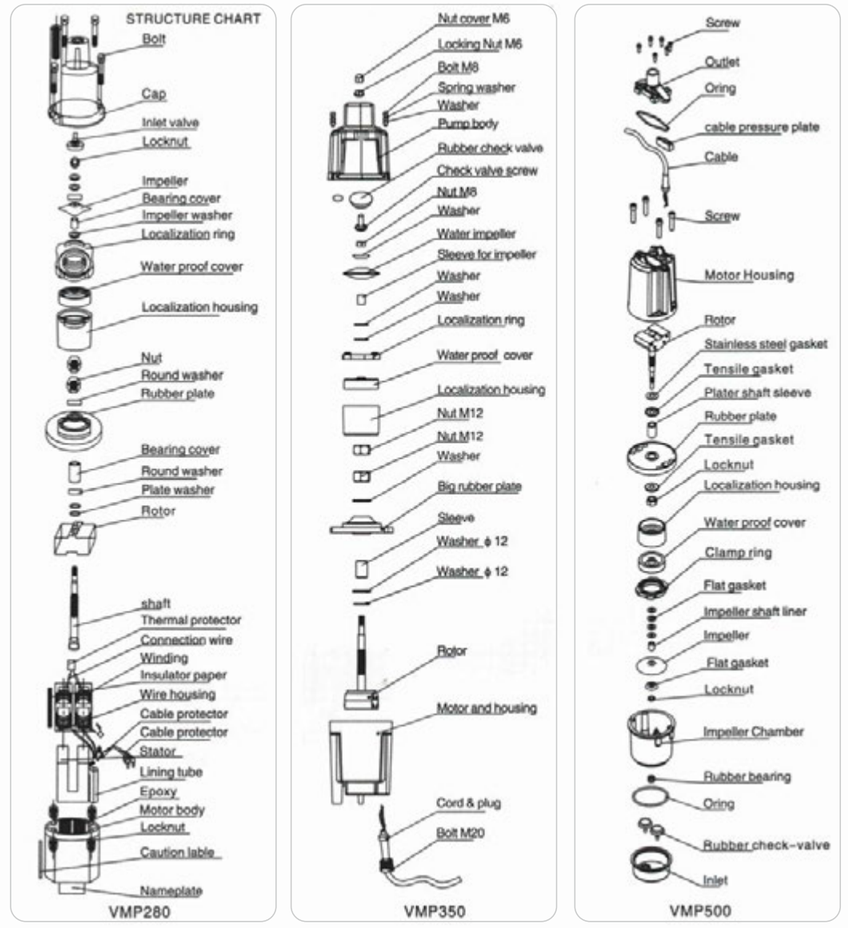
- Suitable fluids
- Clean water
- Performance
- Fluid temperature range 0~40 °C
- Max. working pressure 8 bar
- Power
- Single phase 110~220V±5%/50~60Hz

Motor

- Degree of protection IP68
- Insulation class B
- Insulation F
- Construction Materials
- Pump body aluminium
- Motor body aluminium
- Impeller rubber
- Shaft 40Cr Steel

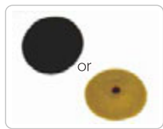
MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	OUTLET (MM)	GW(Kg)	PUMP DIAMETER (MM)	PACKING SIZE (MM)	QUANTITY (Set)
	kW	HP							
VMP 800	0.37	0.5	33	65	19	5.8	165	300×150×165	3300

Explode Drawing

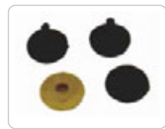


Free Accessories

Rope



Impeller



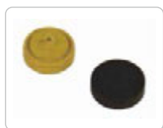
Check-valve

Clap

Sheath

Select

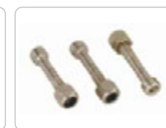
Rubber Plate



Water proof cover

Localization Ring

Localization Housing



Bolt

SPA SUBMERSIBLE PUMPS

SPA1100

2SA1100

Application & Installation

Suitable for garden watering. oxygenating of cluster box or in supplying and draining water for ordinary places and characterized by corrosion resistance, small volume, light weight and convenient operation.
It is fitted with multiple water-outlet pipes and self-regulated according to the requirements of its lift and flow, and can deadlock.

Operating Conditons

- Max. medium temperature: +40°C
- Max. ambient temperature: +40°C
- Medium free from granules or anything that may damage the pump
- Voltage fluctuation range:0.9-1.1 times of the rated value

Material

- Pump body: Cast iron
- Impeller: Aluminum
- Mechanical seal: Ceramic steatite/metalized carbon
- Shaft: 45#Steel, AISI 416 stainless steel if request
- Thermal protector
- Cable: 7 Meters
- Euro-plug

Single phase 220V-240V/50Hz; Three phase 380V/50Hz
Single phase 110V/220V/60Hz; Three phase 220V/440V/60Hz

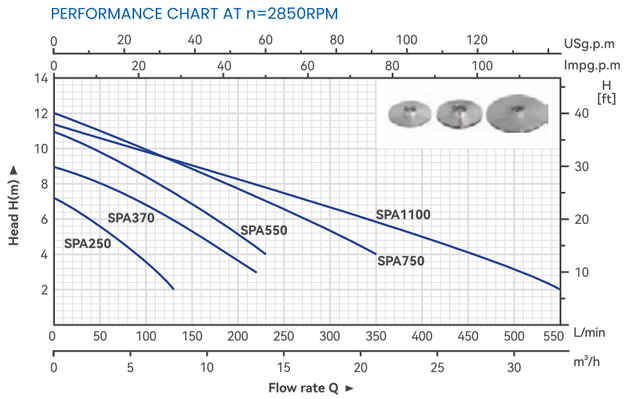
Motor

- Closed, externally Ventilated
- Insulation Class B
- Protection IP68
- Continuous duty

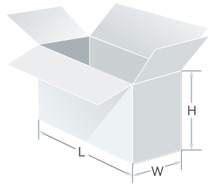
MODEL	DISVHARGE (MM)	POWER (kW)	SPEED (r/min)	MAX.FLOW (m^3/h)	MAX.HEAD (M)
SPA250	25	0.25	2900	7	7.5
SPA370	25	0.37		12.5	9
SPA550	38	0.55		12.6	11
SPA750	51	0.75		20	12
SPA1100	76	1.1		32	9

MODEL	INPUT POWER		Q(m^3/h)	0	3	4.2	6	9	10.2	12	13.2	15	18
	kW	HP	Q(L/min)	0	50	70	100	150	170	200	220	250	300
2SA1100	1.1	1.5	H	30	29	28.5	27	24	22.5	19	18	14	6.5

Performance Graph

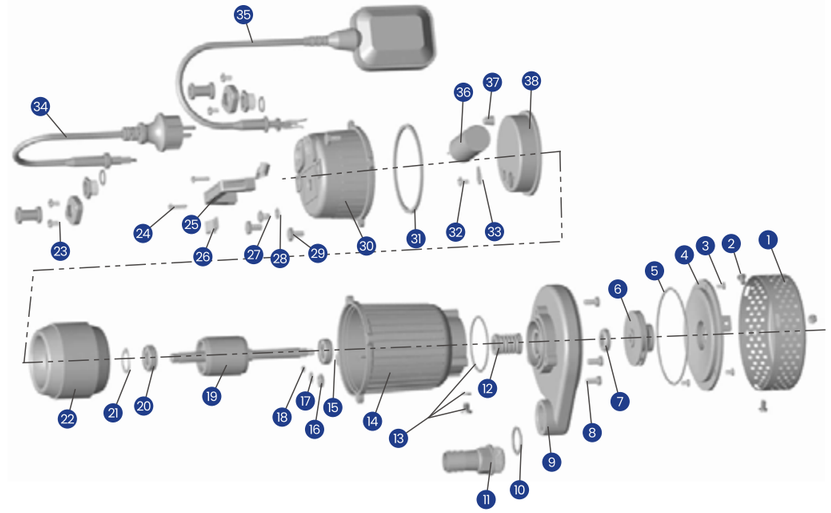


Package Size



MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
SPA250	25	7.5	200×185×325
SPA370	25	12.5	250×220×405
SPA550	38	13.3	250×225×405
SPA750	51	16	270×235×410
SPA1100	76	20.5	265×315×450
2SA1100	51	18.8	260×240×470

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Discharge plug	9	Diffuser	17	Casing with wound stator	25	Nut	33	Drops guard
2	"O" ring	10	Nut	18	Stand	26	Screw	34	Bearing
3	Charge plug	11	Spring gasket	19	Driving cap	27	Cable presser	35	Key
4	"O" ring	12	Impeller	20	Tie-rod	28	Terminal board	36	Rotor
5	Gauge plug	13	Mechanical seal	21	Fan	29	Fairlead	37	Bearing
6	Switch plug	14	"O" ring	22	Fan cover	30	Nut	38	Split ring
7	Pump casing	15	Pump support	23	Screw	31	Capacitor		
8	"O" ring	16	Bolt	24	Terminal cover	32	Terminal box		

QDX SUBMERSIBLE PUMPS

Application & Installation

Suitable for use with clean water that does not contain abrasive particles. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP68
- Continuous service S1
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

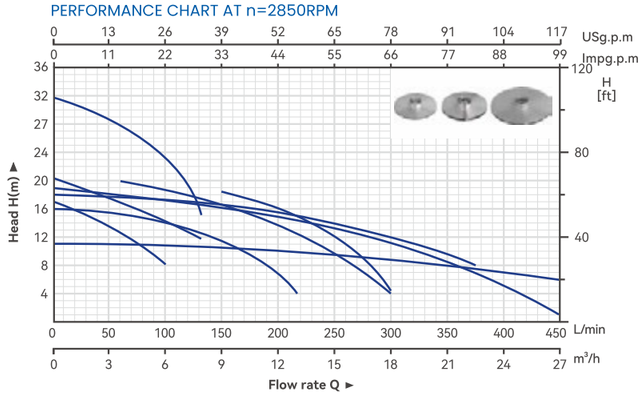
Component Construction

- Pump body: Cast iron
- Suction filter: Aluminum
- Impeller: Aluminum
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite
- Cable: 8m power cable with plug

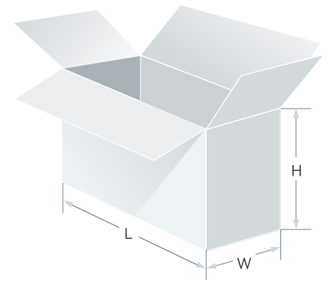
Operating Conditons

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Max.imum ambient temperature 40°C

Performance Graph



Package Size



MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
QDX1.5-12-0.25F	25	4.5	360×165×165
QDX1.5-17-0.37F	25	6.5	370×160×195
QDX1.5-25-0.55F	25	9.5	370×240×220
QDX3-18-0.55F	32	9.5	370×240×220
QOX10-12-0.55F	38	9.5	370×240×220
QDX15-7-0.55F	51	9.5	370×240×220
QDX1.5-32-0.75F	32	11.5	395×270×240
QDX3-24-0.75F	32	11.5	395×270×240
QDX8-18-0.75F	38	11	395×270×240
QDX10-16-0.75F	51	11.5	395×270×240

MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
QDX15-10-0.75F	64	11.5	395×270×240
QDX25-6-0.75F	76	11.5	400×270×250
QDX3-30-1.1F	25	13	440×220×205
QOX15-14-1.1F	64	15.5	425×280×200
QOX40-6-1.1F	76	17.5	450×280×200
QOX40-9-1.5F	76	17.5	530×260×270
QOX50-5-1.1F	102	24.5	500×345×245
QOX60-7-1.5F	102	27	500×345×245
QOX80-8-3F	152	34	570×420×270

Performance Parameters

MODEL	Freq.(Hz)	INPUT POWER kW	INPUT POWER HP	Q.rat (m²/h)	H.rat (m)	Size(mm)
QDX1.5-12-0.25	50	0.25	0.37	1.5	12	25
QDX1.5-17-0.37	50	0.37	0.5	1.5	17	25
QDX1.5-25-0.55	50	0.55	0.75	1.5	25	25
QDX3-18-0.55	50	0.55	0.75	3	18	32
QDX10-12-0.55	50	0.55	0.75	10	12	38
QDX15-7-0.55	50	0.55	0.75	15	7	51
QDX1.5-32-0.75	50	0.75	1	1.5	32	25
QDX3-24-0.75	50	0.75	1	3	24	32
QDX8-18-0.75	50	0.75	1	8	18	88
QDX10-16-0.75	50	0.75	1	10	16	51
QDX15-10-0.75	50	0.75	1	15	10	64
QDX25-6-0.75	50	0.75	1	25	6	76
QDX3-30-1.1	50	1.1	1.5	3	30	25
QDX15-14-1.1	50	1.1	1.5	15	14	64
QDX40-6-1.1	50	1.1	1.5	40	6	76
QX40-9-1.5	50	1.5	2	40	9	76
QDX50-5-1.1F	50	1.1	1.5	50	5	102
QDX60-7-1.5F	50	1.5	2	60	7	102
QOX80-8-3F	50	3	4	80	8	152

WQD SEWAGE PUMPS

WQD750

WQS750

Application & Installation

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ 10mm.

Component Construction

- Pump body: Cast iron
- Suction filter: AISI304 SS
- Impeller: Cast iron
- Motor shaft: AISI304 SS
- Mechanical seal: SIC-SIC/Ceramic-Graphite
- Cable: 6m power cable with plug

Motor

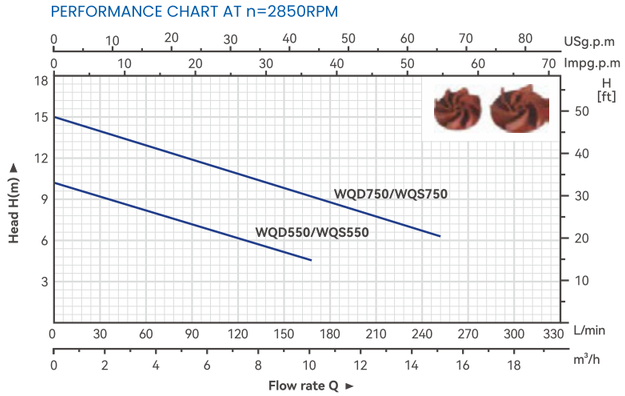
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP68
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

Operating Conditons

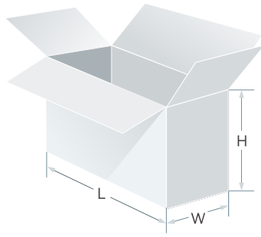
- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Max.imum ambient temperature 40°C

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	PIPE DIAMETER (MM)	DIAMETER OF SOLID IMPURITIES (MM)	QUANTITY (Set)
	kW	HP					
WQD550	0.55	0.75	15	10	51	20	1200
WQS550	0.55	0.75	15	10	51	20	1200
WQD750	0.75	1.0	15	15	51	20	1200
WQS750	0.75	1.0	15	15	51	20	1200

Performance Graph

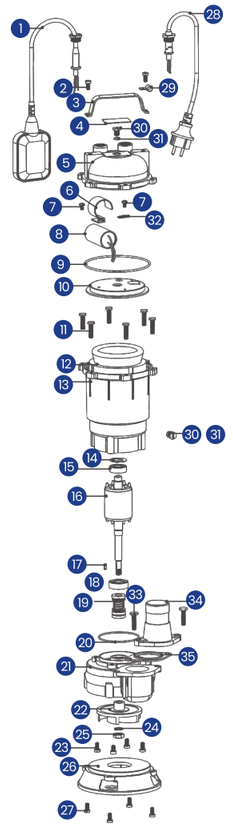


Package Size



MODEL	DISVHARGE	N.W	L×W×H
	(mm)	(Kg)	(mm)
WQD550	51	15.5	265×220×460
WQS550	51	16.5	275×215×460
WQD750	51	16.5	265×220×460
WQS750	51	17.5	275×215×460

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION
1	Float switch	19	Mechanical washer
2	Screw	20	"O" ring
3	Handle	21	Pump casing
4	Nameplate	22	Impeller
5	Capacitor cover	23	Screw
6	Capacitance	24	Spring gasket
7	Cross pan head screw	25	Nut
8	Capacitor	26	Diffuser
9	"O" ring	27	Screw
10	Motor cover	28	Cable
11	Screw	29	Cable presser
12	Stator	30	Flat head bolt
13	Barrel	31	"O" ring
14	Undulated washer	32	Grounding identification
15	Bearing	33	Screw
16	Rotor	34	Out-let connector
17	Flat key	35	Gasket
18	Bearing		

V(WQ)F SEWAGE PUMPS

Application & Installation

Submersible pump with cutter is an ideal machine for draining sewage. A high-speed rotating cutter is assembled at the inlet hole of the pump, make it easy to cut off long-fibre and firm sundries contained in the sewage, so as to avoid the impeller is blocked by the entanglement. It is suitable for draining sewage in sanitation, factory, mine and family.
The float switch can automatically control on and off with the change of the liquid level. The protector in the motor can automatically cut off the power when it is overheated or overloaded, thus guarantee the security and relibility of pump's run even in the atrocious environment.

Component Construction

- Pump body: Cast iron
- Suction filter: AISI304 SS
- Impeller: Superior steel
- Motor shaft: AISI304 SS
- Mechanical seal: SIC-SIC/Ceramic-Graphite
- Cable: 8m power cable with plug

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class B
- Protection IP68
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
  Three-phase 380V/50Hz, 60Hz if request

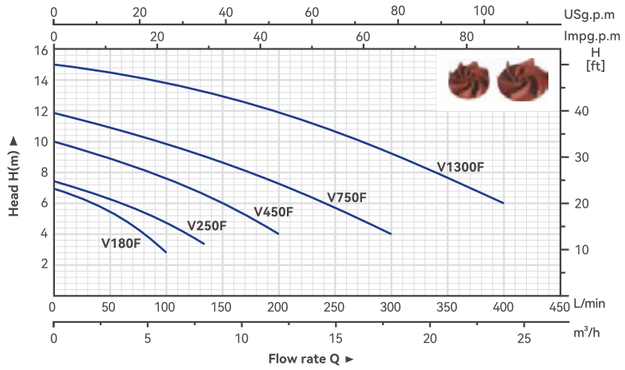
Operating Conditons

- The maximum deep it is allowed in water is 5m from its center of impeller.
- The trans medium's temperature shouldn't be high than 40°C.
- Trans medium's PH: 4~10.
- Kinematics viscosity of the trans medium is: $7x10^{-7}$~$23x10^{-6}m^2/s$.
- Density of the trans medium Limit: $1.2x10^3kg/m^3$.

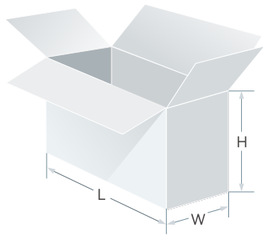
MODEL	INPUT POWER		Q(m^3/h)	0	2	4	6	8	10	12	14	16	18	20	22	24
	kW	HP	Q(L/min)	0	33.3	66.7	100	133.4	166.6	200	233.1	266.8	299.7			
V180F	0.18	0.24		7	6.2	4.9	3.0									
V250F	0.25	0.33		7.5	7.0	6.0	4.8	3.5								
V450F	0.45	0.6	H	10	9.01	8.3	7.5	6.3		4.0						
V750F	0.75	1		12	11.2	10.5	9.9	9.0	8.0	7.0	6.0	5.0	4.0			
V1300F	1.5	2		15	14.9	14.7	14.4	14	13.5	13	12.3	11.5	10.5	9.2	7.7	6

Performance Graph

PERFORMANCE CHART AT n=2850RPM

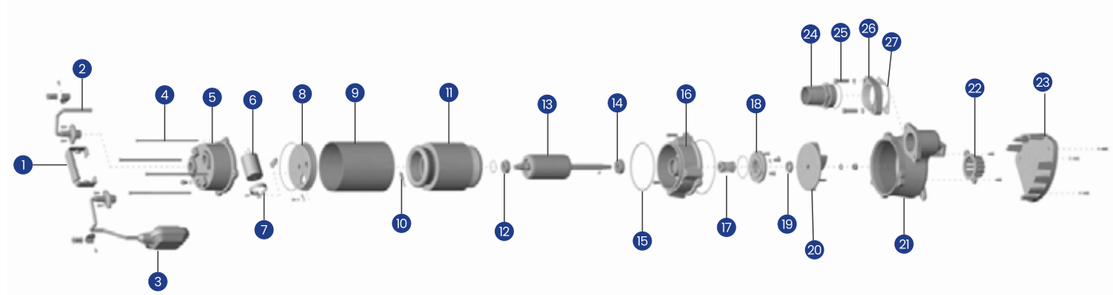


Package Size



MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
V180F	25 32 40	9.0	185×180×365
V250F	25 32 40	9.5	185×180×385
V450F	51	17.5	255×195×495
V750F	51	22.0	255×195×535
V1300F	51	25	255×195×535

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Handle	10	Thermal protector	19	Oil seal
2	Cable	11	Stator	20	Impeller
3	Float switch	12	Bearing	21	Pump casing
4	Tie-rod	13	Rotor	22	Filter screen
5	Upper pump cover	14	Bearing	23	Base
6	Capacirtor	15	"O" ring	24	Oulet joint
7	Capacitor presser	16	Hydro cylinder	25	Bolt
8	Shaft block	17	Mechanical seal	26	Flange
9	Motor housing	18	Hydro cylinder cover	27	Flange washer

VD(WQ)F SEWAGE PUMPS

Application & Installation

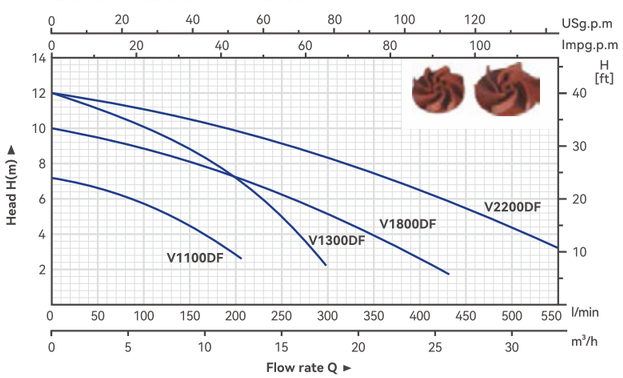
Submersible pump with cutter is an ideal machine for draining sewage. A high-speed rotating cutter is assembled at the inlet hole of the pump, make it easy to cut off long-fibre and firm sundries contained in the sewage, so as to avoid the impeller is blocked by the entanglement. It is suitable for draining sewage in sanitation, factory, mine and family.
The float switch can automatically control on and off with the change of the liquid level. The protector in the motor can automatically cut off the power when it is overheated or overloaded, thus guarantee the security and relibility of pump's run even in the atrocious environment.

Operating Conditons

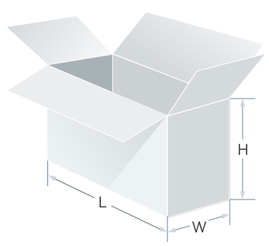
- The maximum deep it is allowed in water is 5m from its center of impeller.
- The trans medium's temperature shouldn't be high than 40°C.
- Trans medium's PH: 4~10.
- Kinematics viscosity of the trans medium is: $7x10^{-7}$~$23x10^{-6}m^2/s$.
- Density of the trans medium Limit: $1.2x10^3kg/m^3$.

Performance Graph

PERFORMANCE CHART AT n=2850RPM



Package Size

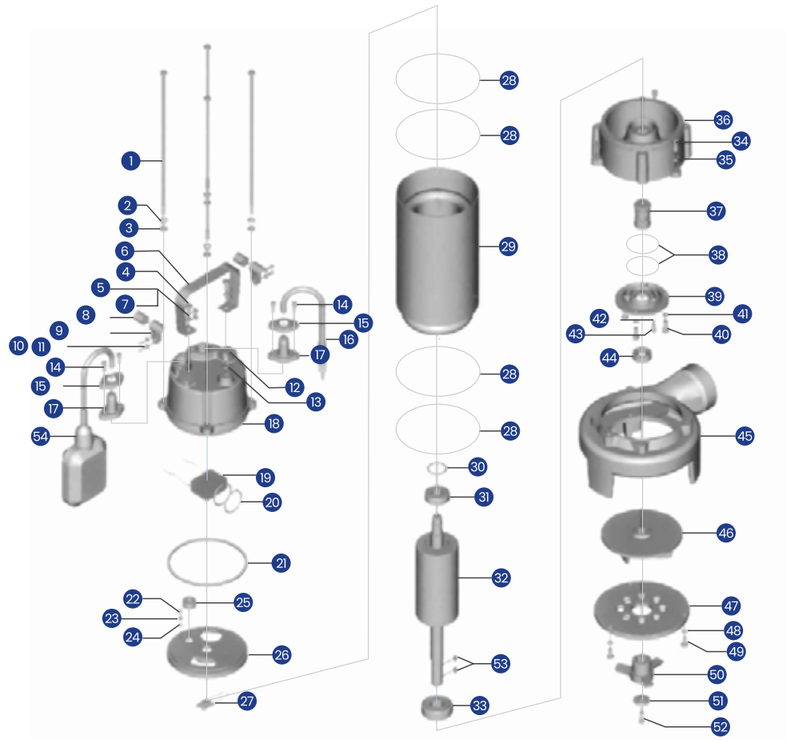


MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
V1100DF	51	24.0	275×225×560
V1300DF	51	25.5	565×305×245
V1800DF	76	32.5	590×355×250
V2200DF	76	34.5	590×355×250

Performance Parameters

MODEL	INPUT POWER kW	INPUT POWER HP	Q(m³/h) / Q(L/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500	33 / 550
V1100DF	1.1	1.5	H	7	6.7	6.2	5.4	4.3	2.8						
V1300DF	1.3	1.75		12	10.6	10	8.3	6.5	4.4	2					
V1800DF	1.8	2.5		10	9.5	8.8	8	7	5.9	4.8	3.5	2.2			
V2200DF	2.2	3.0		12	11.5	11	10.5	10	9.5	8.5	8	7	6	4.5	3

Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	12	Bolt	23	Stretching washer	34	Screw	45	Pump body
2	Stretching washer	13	"O" ring	24	Washer	35	Washer	46	Impeller
3	Washer	14	Screw	25	Line protector	36	Connection part	47	Shredding ring
4	Bolt	15	Flange	26	Motor cover	37	Mechanical seal	48	Washer
5	Washer	16	Cable	27	Thermal protector	38	"O" ring	49	Bolt
6	Handle	17	Cable protector	28	"O" ring	39	Oil chamber cover	50	Radial cutter
7	Nut	18	Capacitor cover	29	Motor stator	40	Screw	51	Washer
8	Protector	19	Capacitor	30	Undulated washer	41	Washer	52	Screw
9	Cable presser	20	"O" ring	31	Ball bearing	42	"O" ring	53	Key
10	Washer	21	Rubber washer	32	Rotor	43	Screw	54	Float switch
11	Screw	22	Screw	33	Ball bearing	44	Oil seal		

YPS

CIRCULATING PUMPS

For selection

Cast iron

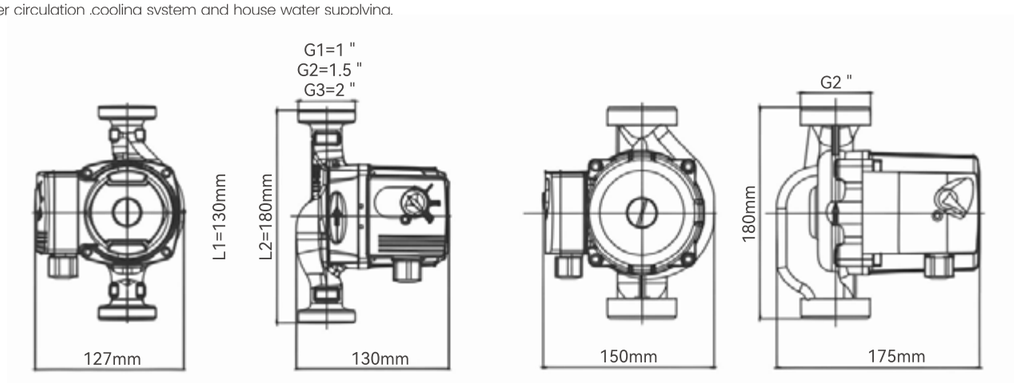
Stainless steel pump body for selection

Application & Installation

It applicable to equip the home boiler, gas-fired boiler, household central air-condition ,electric water heater, solar water heater , underground heat as hot water circulation and pressurization system.
Also suitable for the urban apartment, such diferent fields as the liquid circulation ,boiler solar energy suplied water in pressurization and hot water circulation ,coolina system and house water supplvina.

Operating Conditons

- Fluid temperature rang: -10°C-+110°C
- Maximum ambient temperature: 40°C
- Manual 3-spoed control.



MODEL	POWER (W)	MAX.FLOW (L/min)	MAX.HEAD (m)	INLET/OUTLET (In)
YPS15/4	88/60/40	50/35/23	50/35/23	50/35/23
YPS25/4	88/60/40	50/35/23	50/35/23	50/35/23
YPS32/4	88/60/40	50/35/23	50/35/23	50/35/23
YPS15/6	93/68/40	55/40/30	55/40/30	55/40/30
YPS25/6	93/68/40	55/40/30	55/40/30	55/40/30
YPS32/6	93/68/40	55/40/30	55/40/30	55/40/30
YPS25/8	100/70/40	40/25/20	40/25/20	40/25/20
YPS32/8	225/190/125	170:9030	170:9030	170:9030
YPS-SS25/6	93/68/40	55/40/30	55/40/30	55/40/30

Performance Parameters

MODEL	Input Powe (W)	Currend (A)			Capacito		Pipe Distance (mm)	Max head (m)	Max flow (m³/h)	Inter Box		Outer Box			20 loadn Qlypa
		220N/ 50Hz	220N/ 50Hz	220N/ 50Hz	μF/450V 220V/50/60HR	μF/250V 127V/60Hz				G.W (kg)	Packing Dim. (mm)	PCS CTN	Packing Dim. (mm)	G.W (kg)	
YPS15-4-130	60	0.26			2		130	7	2	2.5	150x130x140	8	320x280x300	21	666
	45	0.2													
	30	0.13													
YPS15-5-130	80	0.34			2.5			5	2						
	55	0.24													
	35	0.1													
YPS15-6-130	90	0.4	0.4	0.4	2.5	6		6	2						
	65	0.3	0.3	0.3											
	45	0.2	0.7	0.7											
YPS15-9-130	120	0.48	0.48	0.48	3	10	140	9	1.6	2.8	180x120x135	8	380x260x290	23	5880
	85	0.38	0.38	0.38											
	60	0.26	0.26	0.26											
YPS20-4-130	60	0.26			2		130	4	2.2	2.4	150x130x140	8	320x280x300	22	666
	45	0.2													
	30	0.13													
YPS20-5-130	80	0.34			2.5			5	2.2						
	55	0.24													
	35	0.1													
YPS20-6-130	90	0.4	0.4	0.4	2.5	6		6	2.						
	65	0.3	0.3	0.3											
	45	0.2	0.2	0.2											
YPS25-4-130	60	0.26			2		30	4	3	3	150x130x140	8	320x280x300	25	480
	45	0.2													
	30	0.13													
YPS25-5-130	80	0.34			2.5			5	3						
	55	0.24													
	35	0.1													
YPS25-6-130	90	0.4	0.4	0.4	2.5	6		6	3						
	65	0.3	0.	0.											
	45	0.2	0.	0.											
YPS25-4-180	60	0.2			2		180	4	3	3	200x130x155	8	420x280x330	26	480
	45	0.2													
	30	0.1													
YPS25-5-180	80	0.34			2.5			5	3						
	55	0.24													
	35	0.15													
YPS25-6-180	90	0.4	0.4	0.4	2.5	6		6	3						
	65	0.3	0.3	0.3											
	45	0.2	0.4	0.4											
YPS32-4-180	60	0.2			2		180	4	3.5	3.6	200x130x155	8	420x280x330	30	480
	45	0.2													
	30	0.13													
YPS32-5-18C	80	0.34			2.5			5	3.5						
	55	0.24													
	35	0.15													
YPS32-6-180	90	0.4	0.4	0.4	2.5	6		6	3.5						
	65	0.3	0.3	0.3											
	45	0.2	0.2	0.2											
YPS20-12-18C	245	04	0	0	6	20	180	12	3	4.8	200x160x180	4	420x340x200	20	3200
	210	0.92	0.92	0.92											
	140	0.63	0.6	0.6											
YPS25-8-180	200	0.8	0.83	0.83	6	15		8	7	5.0				21	3200
	18	0.78	0.78	0.78											
	145	0.6	0.62	0.62											
YPS25-12-180	241	04	1.04	1.04	6	20		12	3.5						
	210	0.92	0.92	0.92											
	140	0.63	0.6	0.6											
YPS32-8-18C	241	1.04	1.04	1.04	6			8	10	5.4				22	3200
	210	0.92	0.91	0.91											
	140	0.63	0.63	0.63											
YPS32-5F-22C	145	0.65			4		200	5	8				305x165x20	10.5	3200
	135	0.6													
	95	0.45													
YPS32-8F-22C	245	1.04	1.04	1.04	6			8	10					11	2160
	210	0.92	0.92	0.92											
	140	0.63	0.6	0.6											

YPSF

CIRCULATING PUMPS

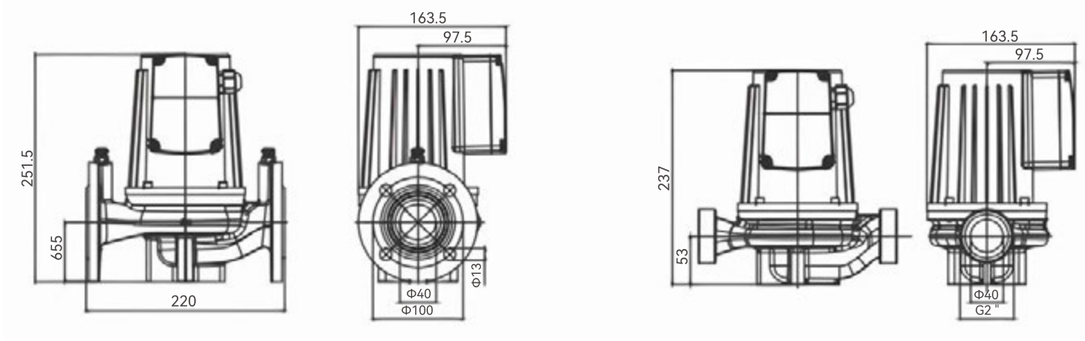
Flange

Application & Installation

It applicable to equip the home boiler, gas-fired boiler, household central air-condition ,electric water heater, solar water heater , underground heat as hot water circulation and pressurization system.
Also suitable for the urban apartment, such diferent fields as the liquid circulation ,boiler solar energy suplied water in pressurization and hot water circulation ,cooling system and house water supplying.

Operating Conditons

- Fluid temperature rang: -10°C~+110°C
- Maximum ambient temperature: 40°C
- Manual 3-spoed control.



MODEL	POWER (W)	MAX.FLOW (L/min)	MAX.HEAD (m)	INLET/OUTLET
YPS40/10F	550	300	10	DN40
YPS40/12F	750	300	12	DN40
YPS50/12F	110	420	12	DN50
YPS65/11F	1500	750	11	DN65

Performance Parameters

MODEL	Dim. (mm)									Unions	N.W. (kg)
	H	H1	L	G	B	D1	D2	D3	D4		
YP 32-9-220	245	200	220	2 "	200					G2 " to G1$\frac{1}{4}$"	9
YP 32-12-220	245	200	220	2 "	200					G2 " to G1$\frac{1}{4}$"	9.5
YP 32-16-230	255	215	230	2 "	215					G2 " to G1$\frac{1}{4}$"	12
YP 32-18-230	255	215	230	2 "	215	40	14	100	130	G2 " to G1$\frac{1}{4}$"	13
YP 40-6-250F	255	200	250	DN40	200	40	14	100	130	DN40 to G2 "	14
YP 40-9-250F	255	200	250	DN40	200	40	14	100	130	DN40 to G2 "	14.5
YP 40-12-250F	265	210	250	DN40	215	40	14	100	130	DN40 to G2 "	18
YP 40-16-250F	265	210	250	DN40	215	40	14	100	130	DN40 to G2 "	18
YP 40-18-250F	265	210	250	DN40	215	50	14	110	140	DN40 to G2 "	18.5
YP 50-9-280F	280	220	280	DN50	215	50	14	110	140	DN50 to G2 "	19
YP 50-12-280F	280	220	280	DN50	215	50	14	110	140	DN50 to G2 "	20
YP 50-16-280F	280	220	280	DN50	215	65	14	130	160	DN50 to G2 "	21
YP 65-9-300F	290	220	300	DN65	215	65	14	130	160	DN65 to G2$\frac{1}{2}$"	23
YP 65-12-300F	290	220	300	DN65	215					DN65 to G2$\frac{1}{2}$"	24

MODEL	Input Power (W)	Currend (A)		Capacitor μF/250V 127V/60HZ	Pipe Distance (mm)	Max head (m)	Max flow (m^3/h)	G.W. (kg)	Packing Dim. (mm)	20'Loading Qty(pcs)
		220V/50HZ	380V/50HZ							
YP 32-9-220	300	1.6		8	220	9	9	9.5	250x210x275	1540
YP 32-12-220	500	2.2	1.6	10		12	10	10.5		
YP 32-16-230	700	3.4	2	12.5	230	16	11	13	285x265x235	1368
YP 32-18-230	1000	4.9		16		18	12	14		
YP 40-6-250F	400	1.9		10	250	6	15	15	275x210x285	1200
YP 40-9-250F	500	2.2	1.6	10		9	14	15.5		
YP 40-12-250F	700	3.4	2	12.5		12	14	19	300x285x215	1197
YP 40-16-250F	1000	4.9	2.9	16		16	15	19		
YP 40-18-250F	1300	5.8	1.6	25		18	15	19.5		
YP 50-9-280F	700	3.4	2	12.5	280	9	18	20	310x305x225	1071
YP 50-12-280F	1000	4.9	2.9	16		12	22	21		
YP 50-16-280F	1300	5.8	2	25		16	23	22		
YP 65-9-300F	1000	4.9	2.9	16	300	9	30	24	325x325x225	1071
YP 65-12-300F	1300	5.8		25		12	30	25		