

ZHEJIANG DORANDO TECHNOLOGY CO.,LTD.

WATER PUMPS



DORANDO[®]

ZHEJIANG DORANDO TECHNOLOGY CO.,LTD.



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VMP 800

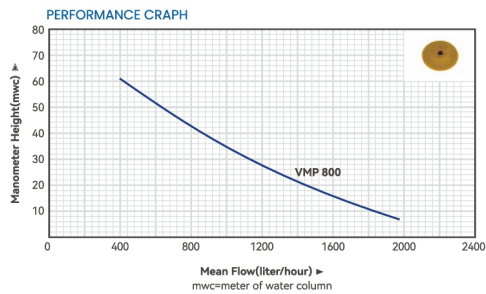
VIBRATION PUMPS



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, its 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



Manometer Height(mwc)		Mean Flow(liter/hour)							
		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	

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

Accessories

Rope, Impeller, Clap, Check-valve.

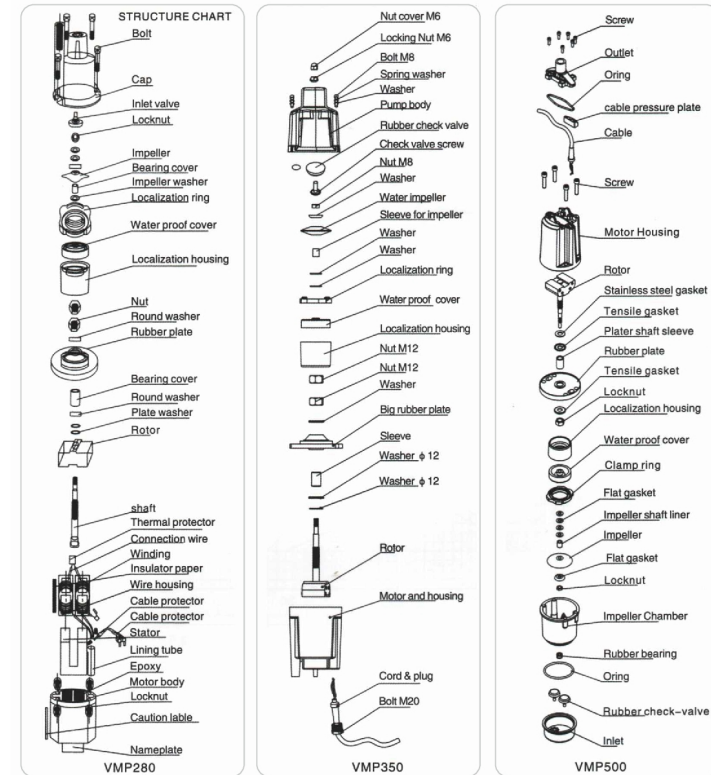
Technical Data

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

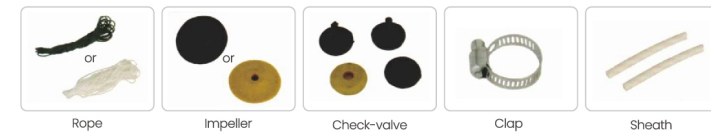
Motor

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

Explode Drawing



Free Accessories



Select



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.

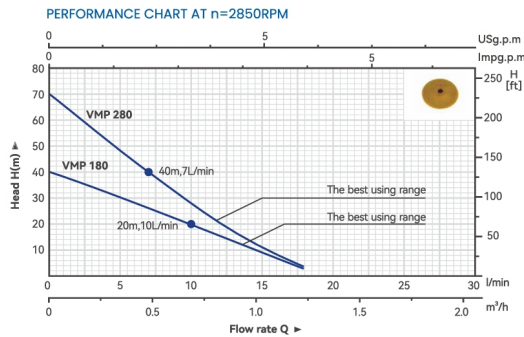
Technical Data

- Suitable fluids
- Clean water
- Performance
- Fluid temperature range 0-40 °C
- 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

Performance Graph



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.

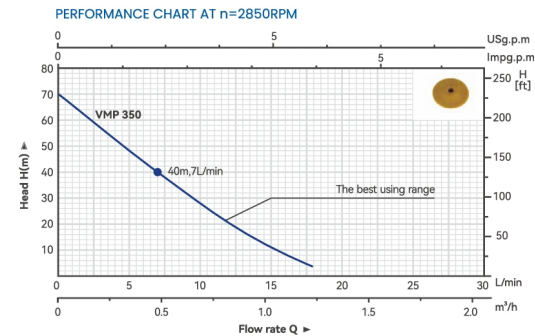
Technical Data

- Suitable fluids
- Clean water
- Performance
- Fluid temperature range 0-40 °C
- 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

Performance Graph



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

QB PERIPHERAL PUMPS



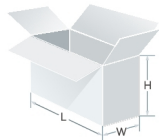
Application

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 Conditions

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

Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (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

MODEL	INPUT POWER		Q(m³/h)	Flow rate Q													
	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0			
QB60-O	0.37	0.5	H	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	H	65	59	52	45	38	31	25	19	14	10	7			

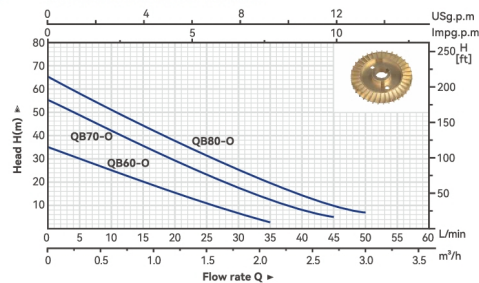
Component Construction

- 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

PERFORMANCE CHART AT n=2850RPM



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 Conditions

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

Package Size



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

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

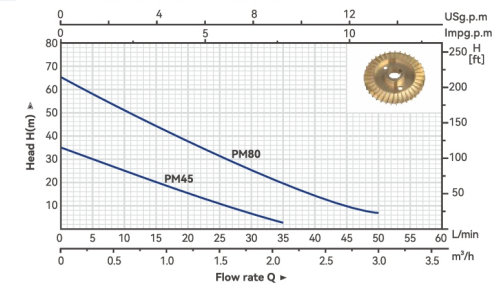
Component Construction

- 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

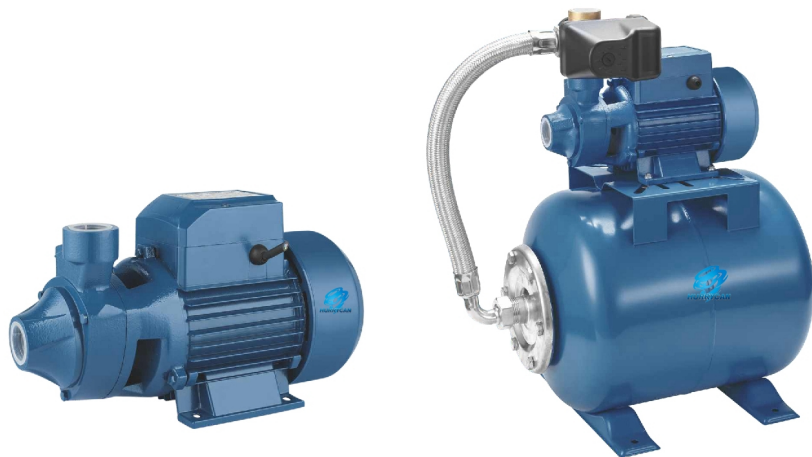
Motor

- 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

PERFORMANCE CHART AT n=2850RPM



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 Conditions

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

MODEL	INPUT POWER		Q(m³/h)																							
	kW	HP	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	0	5	10	15	20	25	30	35	40	50	60	70
QB50	0.2	0.3																								
QB55	0.25	0.37																								
QB60	0.37	0.5																								
QB70	0.55	0.75																								
QB80	0.75	1.0																								
QB100	1.1	1.5																								
QB80+24L	0.75	1.0																								

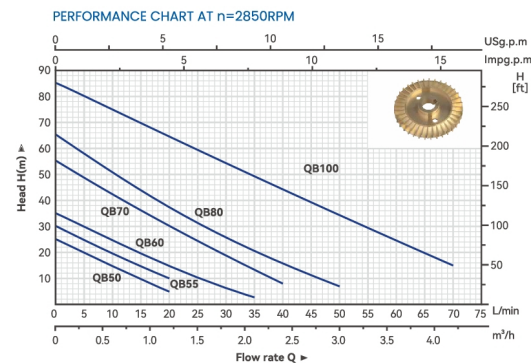
Component Construction

- 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

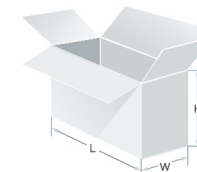
Motor

- 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

Performance Graph

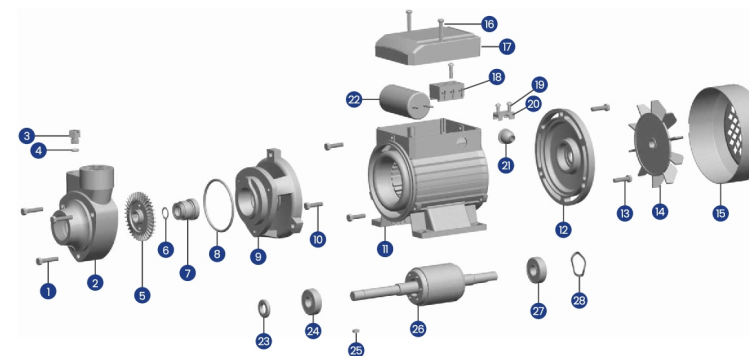


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
QB50	1 "x1 "	3.9	235×115×140
QB55	1 "x1 "	5	280×140×170
QB60	1 "x1 "	5.5	280×140×170
QB70	1 "x1 "	8.5	335×190×210
QB80	1 "x1 "	9.0	340×190×210
QB100	1 "x1 "	13.1	348×190×212
QB80+24L	1 "x1 "	14.5	530×300×570

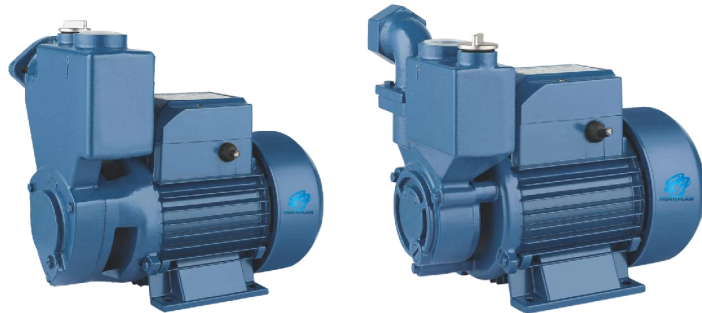
Explode Drawing



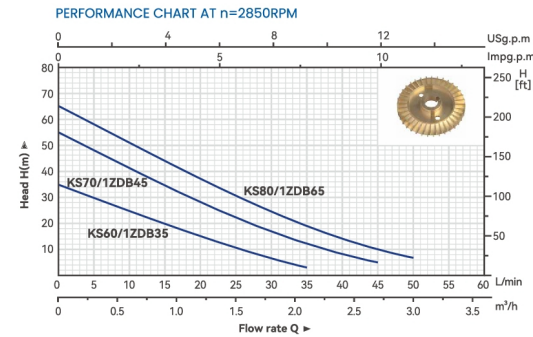
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Bolt	11	Casing with wound stator	21	Fairlead
2	Pump casing	12	Driving cap	22	Capacitor
3	Charge plug	13	Bolt	23	Drops guard
4	"O" ring	14	Fan	24	Bearing
5	Impeller	15	Fan cover	25	Key
6	Snap ring	16	Bolt	26	Rotor
7	Mechanical seal	17	Terminal cover	27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

KS/ZDB

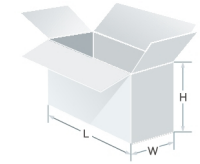
SELF-PRIMING PERIPHERAL PUMPS



Performance Graph

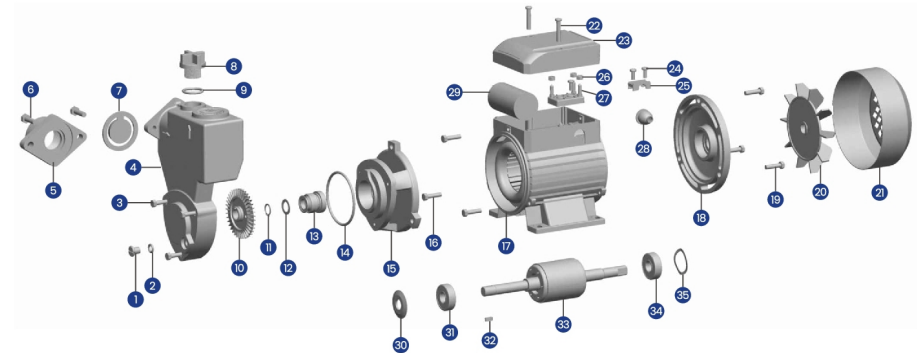


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (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		

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 Conditions

- 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)											
	kW	HP	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	
KS60	0.37	0.5	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	

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 Conditions

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

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

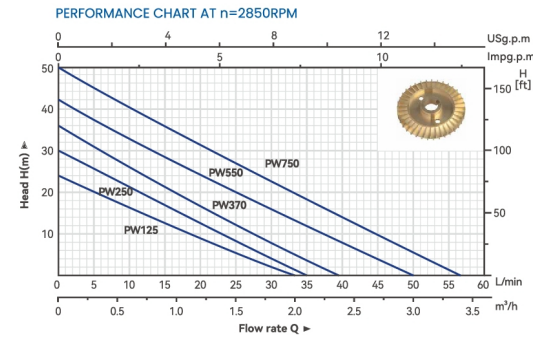
Component Construction

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

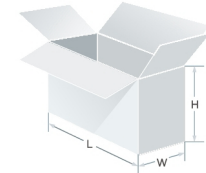
Motor

- 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

Performance Graph

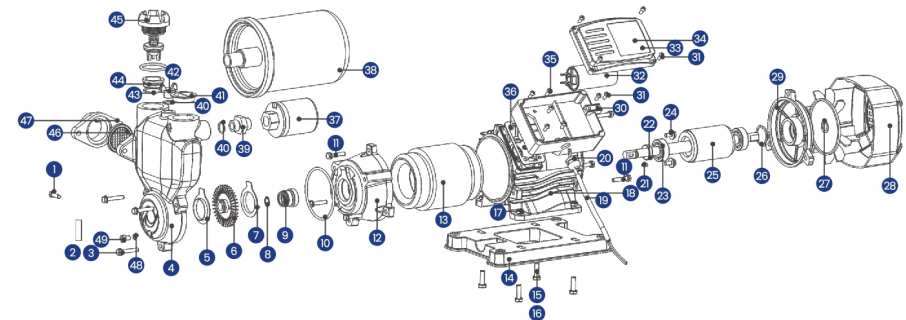


Package Size



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 washer	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.

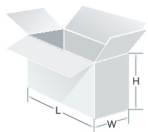
Component Construction

- 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 Conditions

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

Package Size



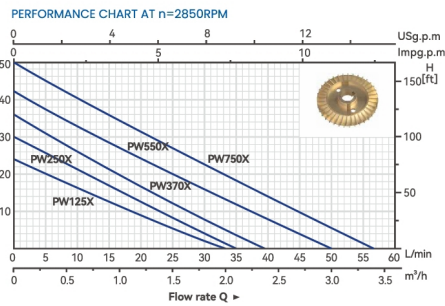
MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
PW125X	1"×1"	7.9	295×230×300
PW250X	1"×1"	8.2	295×230×300
PW370X	1"×1"	8.6	295×230×300
PW550X	1"×1"	11.6	310×245×350
PW750X	1"×1"	12.8	310×245×350

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



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



PWZ

AUTO PERIPHERAL PUMPS



Operating Conditions

- 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

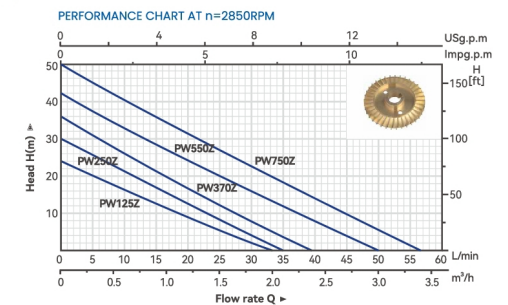
- Compact design, easy installation.
- Pressure and flow switch control automatically.
- Pump body insert of stainless sheet 304.
- Shaft extension is stainless steel 304.
- Intelligent control: The pump equips with flow switch, pressure sensor, control panel, collecting the flow and pressure data by 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)
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



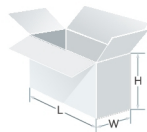
Operating Conditions

- 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

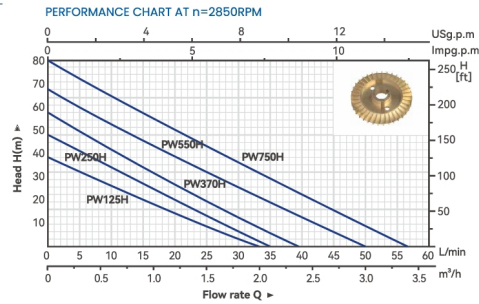
Application & Features

- 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



MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	MAX.SUCT (M)	QUANTITY (Set)
	kW	HP				
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 abrasive 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.

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

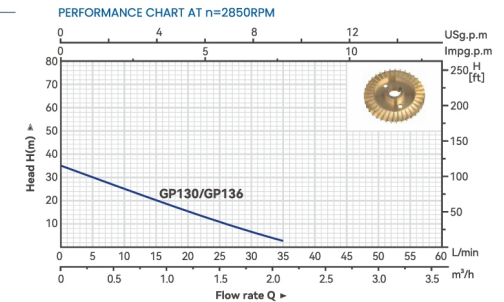
MODEL	INPUT POWER		Q(m ³ /h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
	kW	HP									
GP130	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
GP136	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3

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 Conditions

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



AZDB

AUTO PERIPHERAL PUMPS



Application & Installation

They are recommended for pumping clean water without abrasive 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 Conditions

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

MODEL	INPUT POWER		Q(m³/h)	Q(L/min)																
	kW	HP		0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.6	4.2							
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							

Material

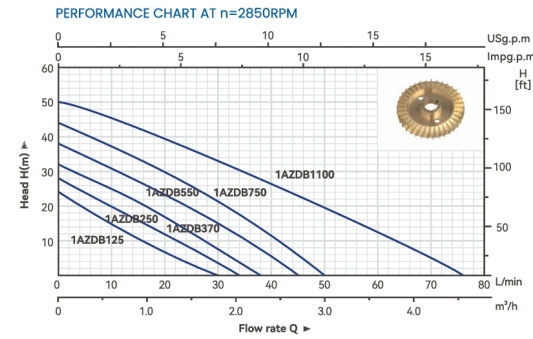
- Pump body: Castiron (HT200)
- Motor Bracket: Aluminum
- Impeller: Brass
- Shaft: 45# Steel, AISI 416 stainless steel if request
- Mechanical seal: Ceramic

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 (3.6 m³/h)
- Head up to 50m

Performance Graph

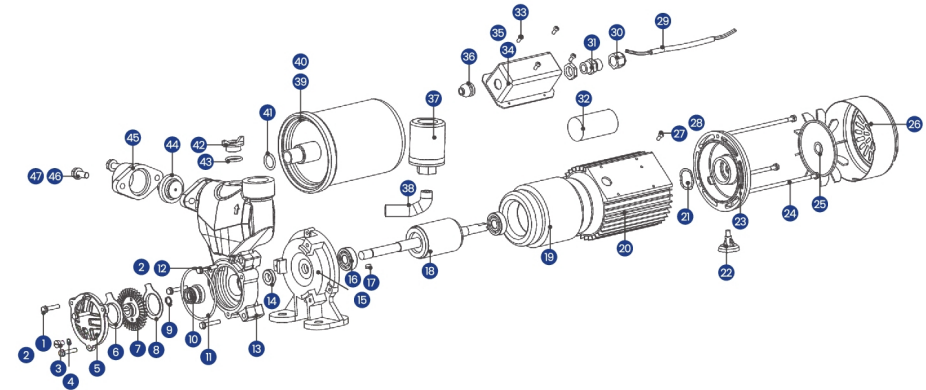


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
1AZDB125	1 "x1 "	9	280×225×305
1AZDB250	1 "x1 "	10	280×225×305
1AZDB370	1 "x1 "	11	280×225×305
1AZDB550	1 "x1 "	13	310×235×305
1AZDB750	1 "x1 "	14.5	345×250×335
1.5AZDB1100	1½ "x1½ "	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 Conditions

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

Component Construction

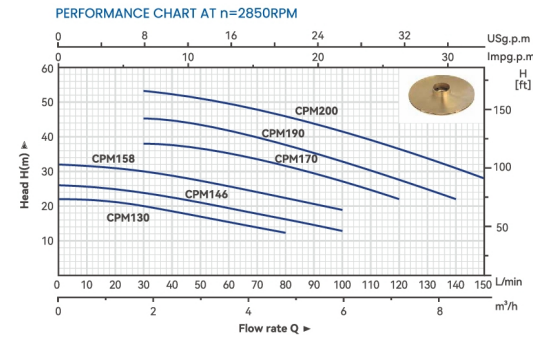
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: Ceramic/Graphite (0.5HP), SiC/Graphite

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)	Q(L/min)															
	kW	HP		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
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

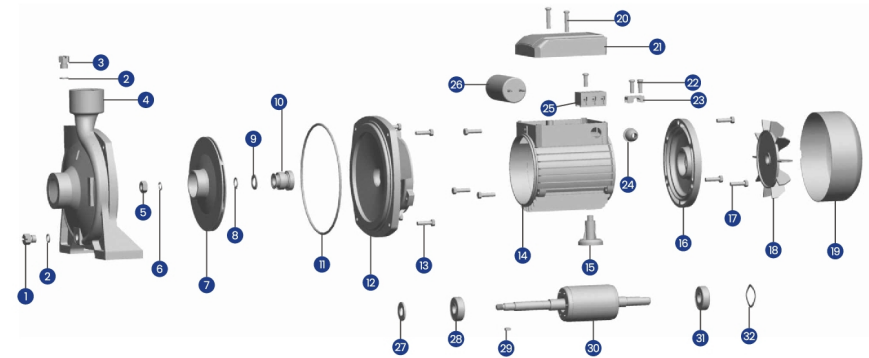


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CPM130	1"×1"	9	285×185×230
CPM146	1"×1"	12	340×210×265
CPM158	1"×1"	13	340×210×265
CPM170	1½"×1"	19	390×240×290
CPM190	1½"×1"	23	390×240×320
CPM200	1½"×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



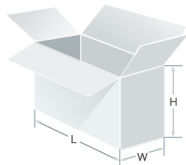
Application

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.

Operating Conditions

- 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-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	1½"×1"	19	390×240×290
CPM190-O	1½"×1"	23	390×240×320

MODEL	INPUT POWER		Q(m³/h)	Q(L/min)															
	kW	HP		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
CPM130-O	0.37	0.5	H	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		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	

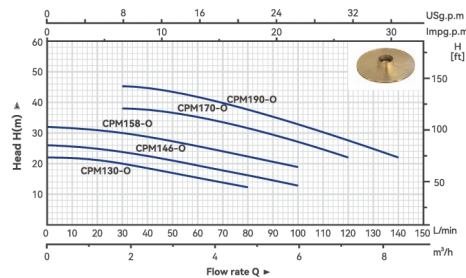
Component Construction

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



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 Conditions

- 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)
CPM130-3	1"×1"	9	285×185×230
CPM146-3	1"×1"	12	340×210×265
CPM158-3	1"×1"	13	340×210×265

MODEL	INPUT POWER		Q(m³/h)	Q(L/min)														
	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.8	6.0	100					
CPM130-3	0.37	0.5	H	22	21.5	21	20.5	19	17	15	13	12.6						
CPM146-3	0.55	0.75		26	25.5	25	24.5	23	21	19	17	16.4	15	13				
CPM158-3	0.75	1		32	31.5	31	30	28.5	27	25	23.5	22	20	19				

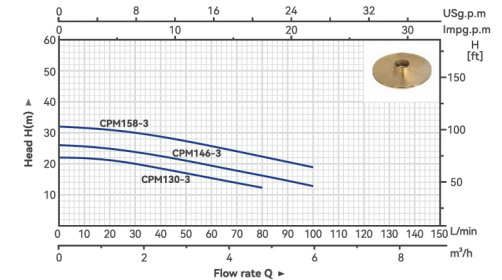
Component Construction

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



CPM CENTRIFUGAL PUMPS



Application

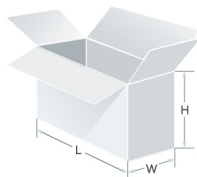
Centrifugal single impeller low head water pumps for flow irrigation systems with high flow rate.

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 Conditions

- 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	1½"×1"	17	400×240×290
CPM190-5	1½"×1"	18	400×240×320

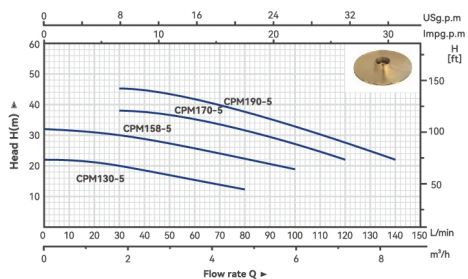
Component Construction

- 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) Q(L/min)	Flow rate Q																
	kW	HP		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	
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.

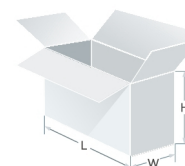
Material

- 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

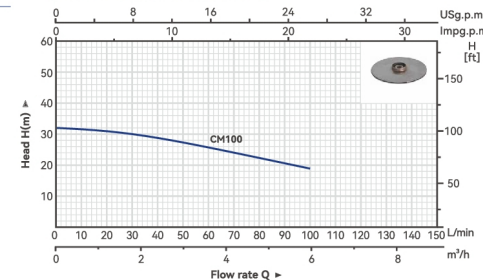


MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CM100	1"×1"	13.5	320×215×270

Operating Conditions

- 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) Q(L/min)	Flow rate Q									
	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.8	6.0	
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 Conditions

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

Material

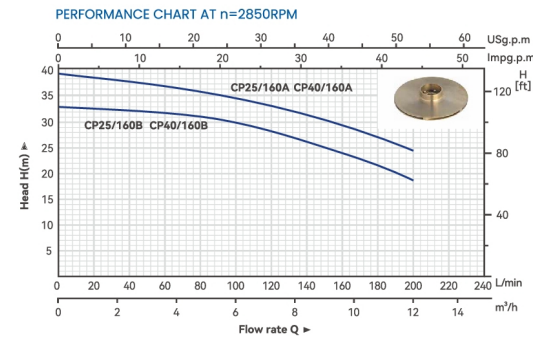
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SiC/Graphite

Motor

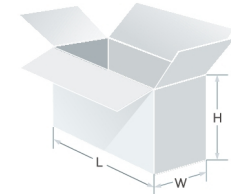
- Two-pole induction motor (n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service S1
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

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

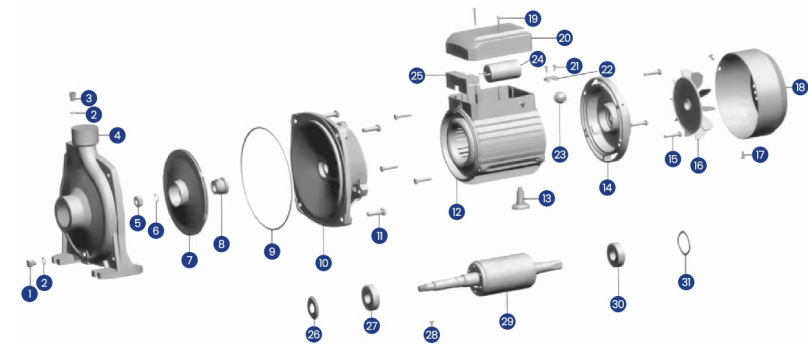


Package Size



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

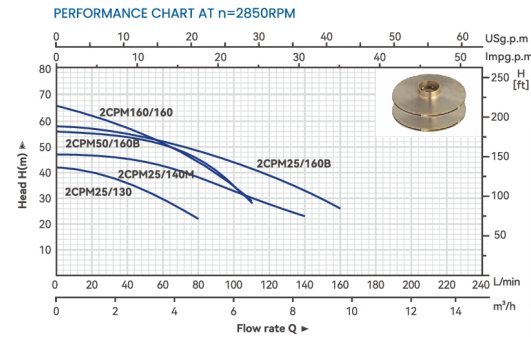
Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The high efficiency and adaptability of these pumps to even the most unusual of applications, makes the ideal for use in the domestic, civil and industrial sectors, in particular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

Operating Conditions

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

MODEL		POWER		Q(m³/h)																	
SINGLE PHASE	THREE PHASE	kW	HP	0	2.4	3.0	4.2	4.8	6.0	6.6	8.4	9.6	10.8	H							
				0	40	50	70	80	100	1100	140	160	180								
2CPM25/130	2CP25/130	0.75	1	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

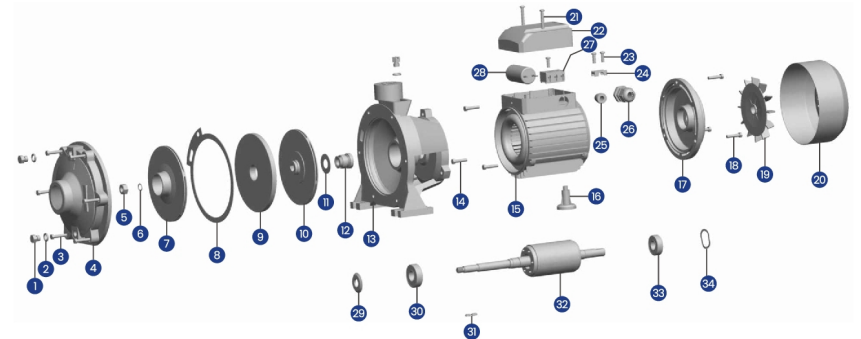


Package Size



MODEL		INLET/OUTLET		N/W	L×W×H
SINGLE PHASE	THREE PHASE	(Inch)	(Kg)	(mm)	
2CPM25/130	2CP25/130	1½"×1"	15	370×225×260	
2CPM25/140M	2CP25/140M	1½"×1"	20.5	410×242×280	
2CPM160/160	2CP160/160	1½"×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"×1½"	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-fighting sets. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Operating Conditions

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

MODEL	INPUT POWER		Q(m³/h)																					
	kW	HP	0	0.6	1.2	1.8	2.4	3.6	4.8	6	7.2	8.4	9	0	10	20	30	40	60	80	100	120	140	150
CBM150	1.1	1.5																						
CBM210	1.5	2	H	53	52.5	52	51	50	46.9	43.3	39.7	35												
CBM310	2.2	3		64	63.5	63	61.9	60.6	57.7	54.1	50	45.4	39.4	36										

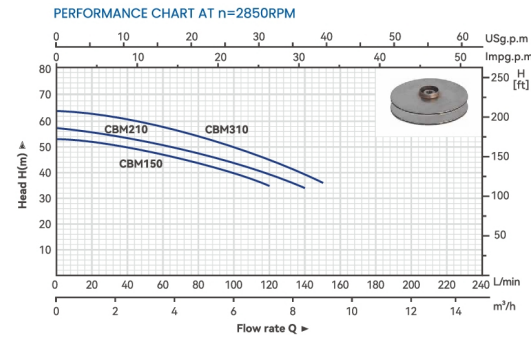
Material

- 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

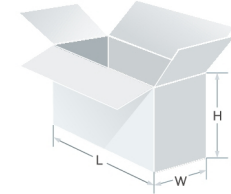
Motor

- 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

Performance Graph

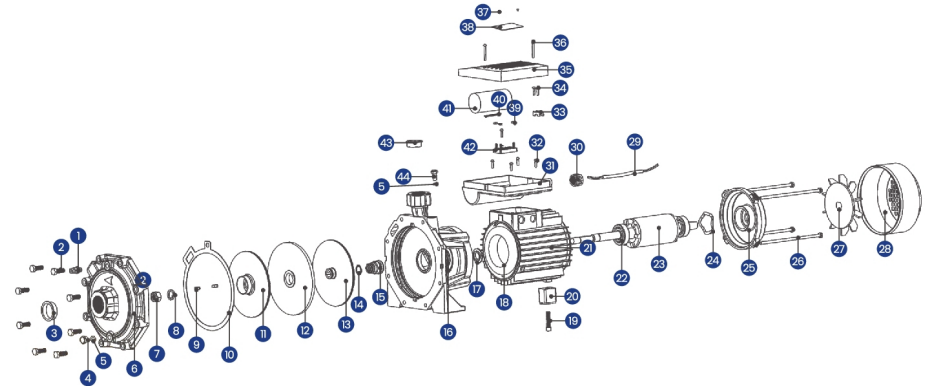


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
CBM150	1 1/2"×1"	23.6	410×260×300
CBM210	1 1/2"×1"	24.6	410×260×300
CBM310	1 1/2"×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	Mechanical 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.

Operating Conditions

- 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

MODEL	INPUT POWER		Q(m³/h)										
	kW	HP	0	3.6	7.2	10.8	14.4	18	21.6	23.4	25.2	27	
SCM60	1.1	1.5	25	25	23	21	19	16	13	11			
SCM70	1.5	2.0	30	29	28	25	23	20	16	13			
SCM80	2.2	3.0	34	33	32	30	27	24	22	19	16	12	

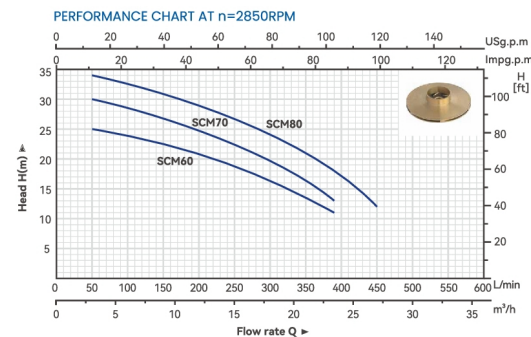
Material

- 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

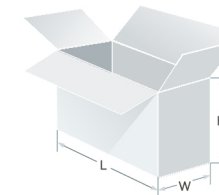
Motor

- 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

Performance Graph

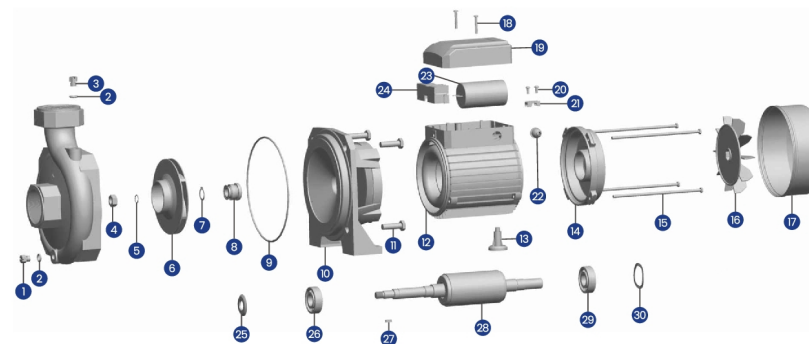


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (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 Conditions

- 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

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

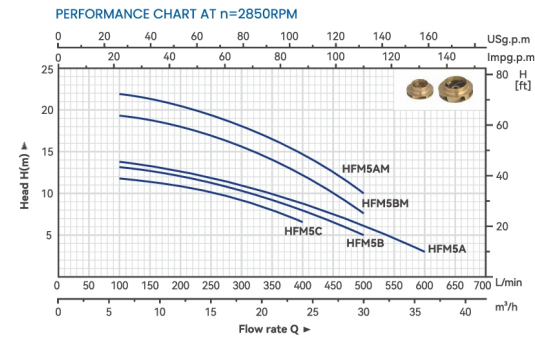
Material

- 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

Performance Graph

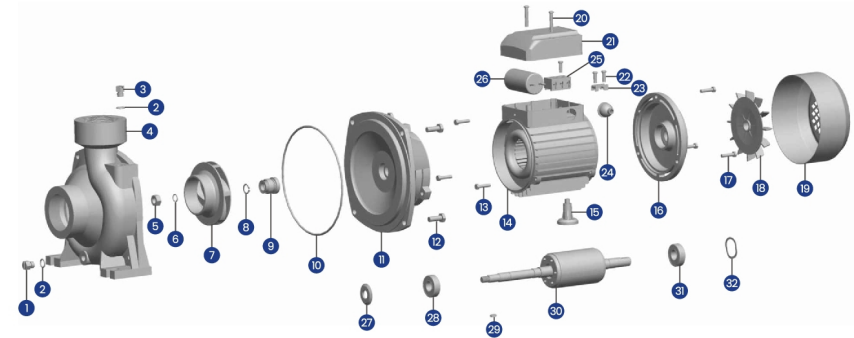


Package Size



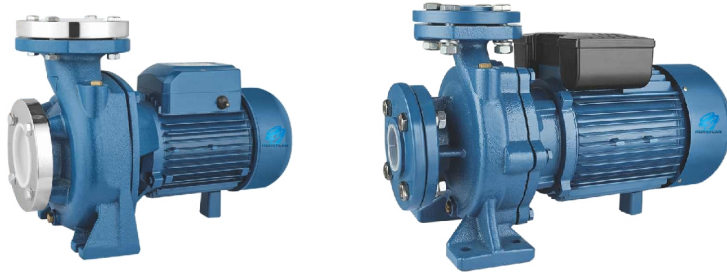
MODEL	INLET/OUTLET	N.W	LxWxH
	(Inch)	(Kg)	(mm)
GA1B	1 1/2" x 1 1/2"	11.5	322x205x270
GA1A	1 1/2" x 1 1/2"	12	322x205x270
HFM5C	2" x 2"	14.5	362x220x285
HFM5B	2" x 2"	15.5	362x220x285
HFM5A	2" x 2"	16	362x220x285
HFM5BM	2" x 2"	20.5	417x252x296
HFM5AM	2" x 2"	22	417x252x296
HFM6C	3" x 3"	28	445x279x345
HFM6B	3" x 3"	29	445x279x345
HFM6A	3" x 3"	30	520x279x345
HFM6CR	4" x 4"	29	445x279x345
HFM6BR	4" x 4"	30	445x279x345
HFM6AR	4" x 4"	32.5	530x279x345
HFM7BR	4" x 4"	41	530x279x345
HFM7AR	4" x 4"	85	600x340x440

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 Conditions

- 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

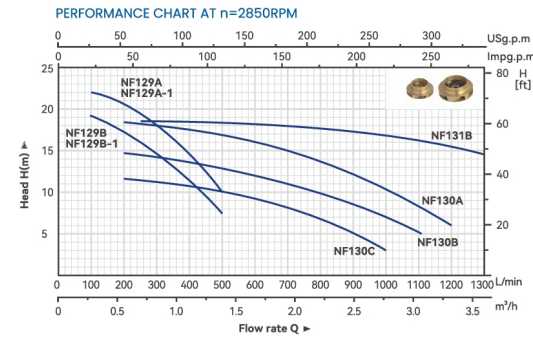
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SiC/Graphite

Motor

- Two-pole induction motor (n=2850 r.p.m)
- Insulation Class B
- Protection IP44
- Continuous service SI
- 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

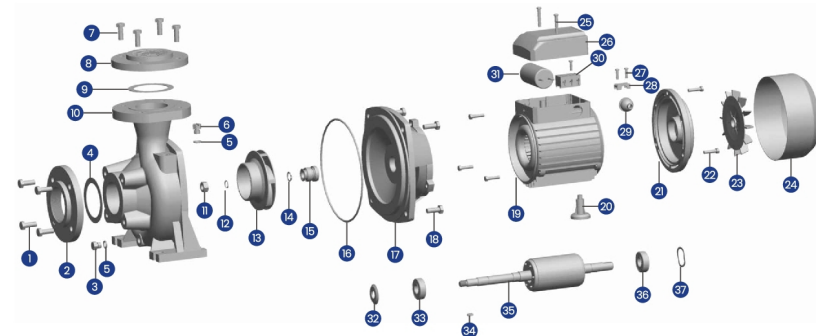


Package Size



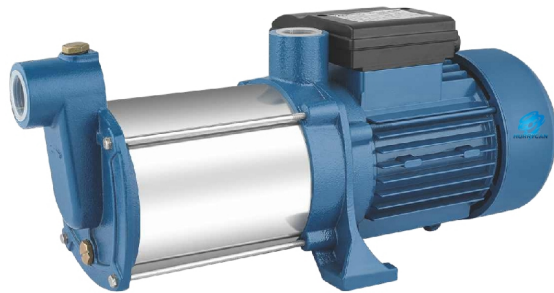
MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
NF129B	2 "x2 "	20.5	427×275×320
NF129B-1	2 1/2 "x2 1/2 "	20.5	427×275×320
NF129A	2 "x2 "	22.5	427×275×320
NF129A-1	2 1/2 "x2 1/2 "	22.5	427×275×320
NF130C	3 "x3 "	28	460×272×355
NF130B	3 "x3 "	29	460×272×355
NF130A	3 "x3 "	39	520×295×375
NF131B	4 "x4 "	58	600×340×440
FM32/160C-1	2 "x2 "	31	480×260×360
FM32/160B-1	2 "x2 "	41	570×320×400
FM32/160A	2 "x2 "	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 present and 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 where air 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.

Operating Conditions

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

MODEL	INPUT POWER		Q(m³/h)	Q(L/min)														
	kW	HP		0	0.6	1.2	2.1	2.4	3.0	3.6	4.2	4.8	5.4					
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					

Material

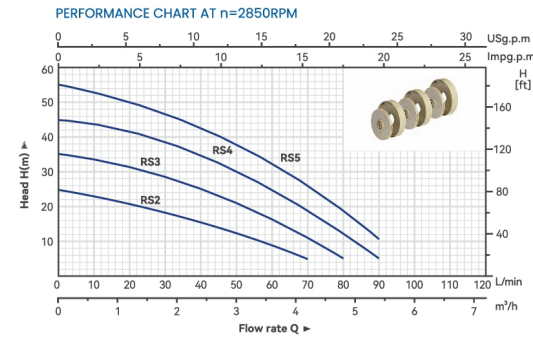
- Pump body: Cast iron+stainless steel
- Motor support: Cast iron
- Motor housing: Aluminum
- Impeller: PPO, AISI 304 if request
- Shaft: 45#Steel, AISI 416 stainless steel if request
- Mechanical seal: Carbon/Ceramic

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

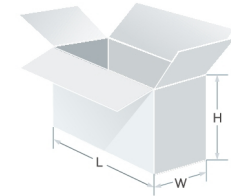
Motor

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

Performance Graph

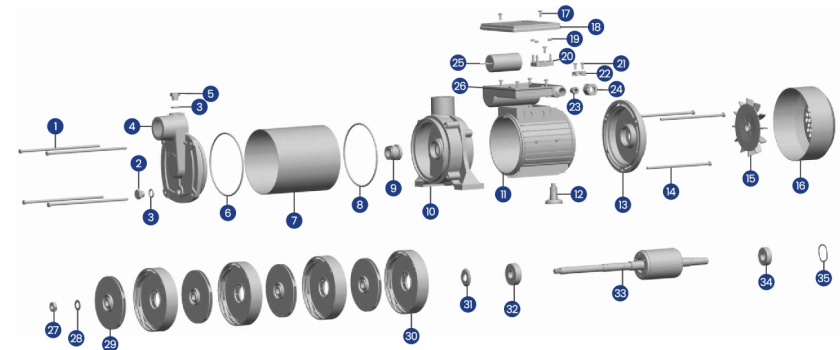


Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
RS2	1 "x1 "	11.4	385×215×230
RS3	1 "x1 "	12.4	405×215×230
RS4	1 "x1 "	13.4	430×215×230
RS5	1 "x1 "	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 Conditions

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

MODEL	INPUT POWER		Q(m³/h)											
	kW	HP	0	0.3	0.6	0.9	1.2	1.8	2.1	3	3.6	Q(L/min)		
SGJ400	0.4	0.5	28.0	24.0	20.0	17.0	14.0	12.0	10.0	9.0	H			
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	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				

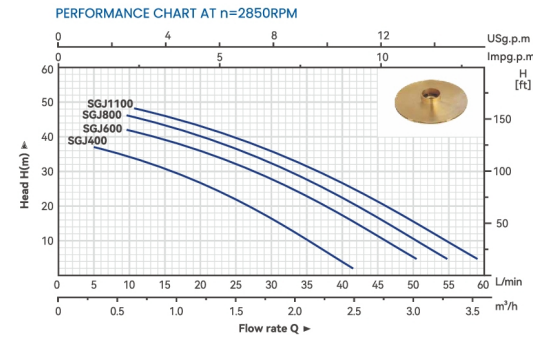
Material

- 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

Performance Graph

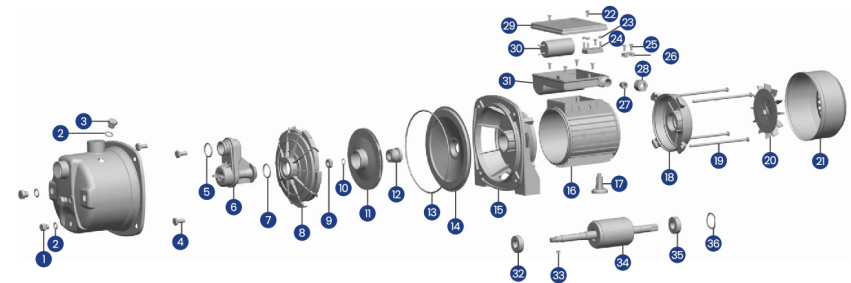


Package Size



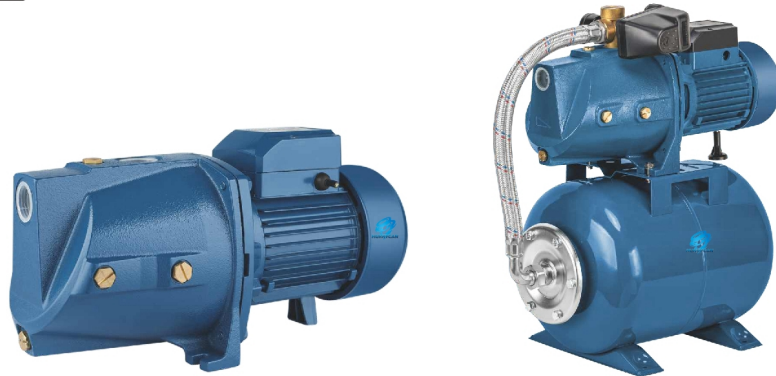
MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
SGJ400	1 "x1 "	6	350×195×215
SGJ600	1 "x1 "	6.4	350×195×215
SGJ800	1 "x1 "	9	410×210×240
SGJ1100	1 "x1 "	9.7	410×210×240
SGJ800+24L	1 "x1 "	14.5	535×300×600

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 Conditions

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

Material

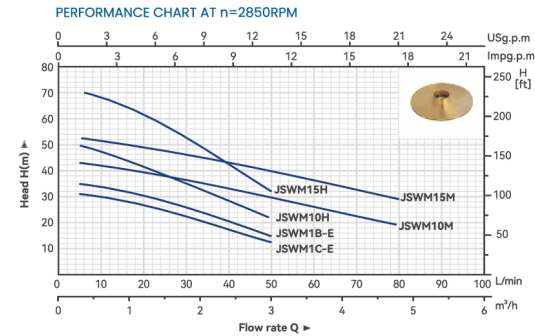
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seat: SiC/Graphite

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

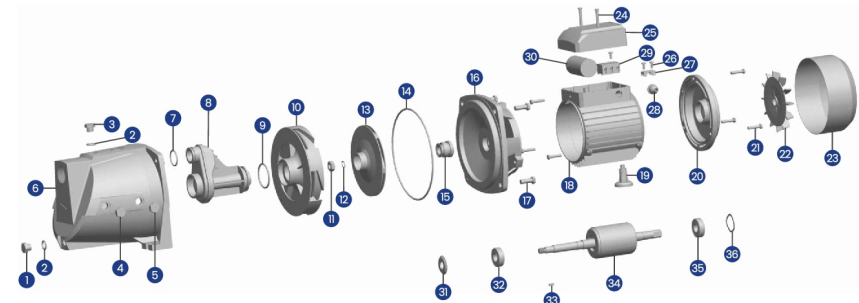


Package Size



MODEL	INLET/OUTLET (Inch)	N,W (Kg)	L*W*H (mm)
JSWM1C-E	1 "x1 "	9.5	395x186x214
JSWM1B-E	1 "x1 "	10.5	395x186x214
JSWM10M	1 "x1 "	15	438x196x235
JSWM15M	1 "x1 "	15.5	438x196x235
JSWM10H	1 "x1 "	15	438x196x235
JSWM15H	1 "x1 "	15.5	438x196x235
JSWM3CH	1 1/2 "x1 "	24	573x238x270
JSWM3BH	1 1/2 "x1 "	25	573x238x270
JSWM3CM	1 1/2 "x1 "	24	573x238x270
JSWM3BM	1 1/2 "x1 "	25	573x238x270
JSWM3CL	1 1/2 "x1 "	24	573x238x270
JSWM3BL	1 1/2 "x1 "	25	573x238x270
JSWM15M+24L	1 "x1 "	24.5	535x305x598

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



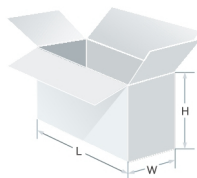
Application

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.

Operating Conditions

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

Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
JSW10M-O	1"×1"	9	460×200×235

MODEL	INPUT POWER		Q(m ³ /h)	0	0.3	0.9	1.2	1.5	2.4	3.0	3.6	4.2	4.8
	kW	HP											
JSW10M-O	0.75	1	H	45	42	38	35	32	29	26	24	22	20

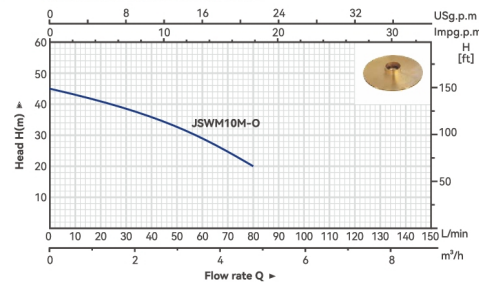
Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum Brass
- Impeller: Noryl
- 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

PERFORMANCE CHART AT n=2850RPM



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.

Operating Conditions

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

Package Size



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

MODEL	INPUT POWER		Q(m ³ /h)	0	0.3	0.9	1.2	1.5	2.4	3.0	3.6	4.2	4.8
	kW	HP											
CAM100	0.75	1	H	45	42	38	35	32	29	26	24	22	20

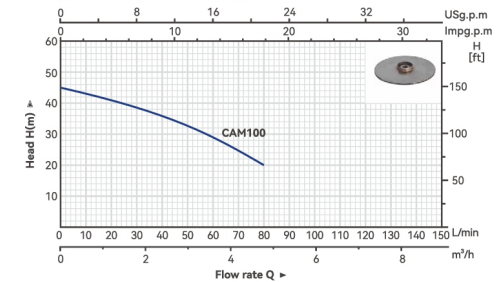
Material

- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum Brass
- Impeller: Noryl
- 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

PERFORMANCE CHART AT n=2850RPM



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 Conditions

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

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

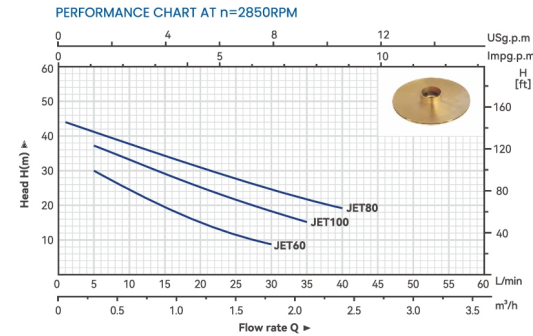
Material

- 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

Performance Graph

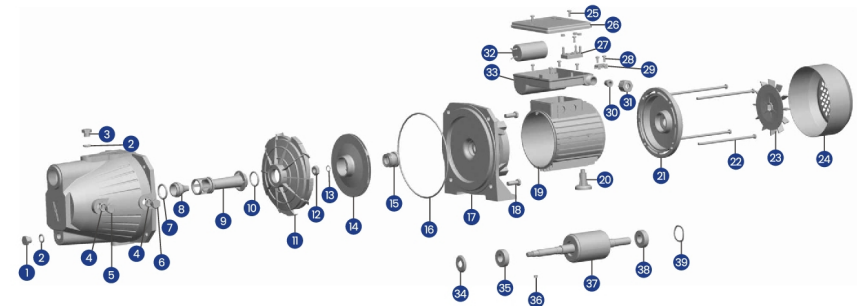


Package Size



MODEL	INLET/OUTLET	N.W	L×W×H
	(Inch)	(Kg)	(mm)
JET60L	1 "x1 "	12	467×198×232
JET80L	1 "x1 "	14	475×190×220
JET100L	1 "x1 "	15	475×190×220
JET60LB	1 "x1 "	12	467×198×232
JET80LB	1 "x1 "	14	475×190×220
JET100LB	1 "x1 "	15	475×190×220
JET60S	1 "x1 "	10	385×190×220
JET80S	1 "x1 "	10.6	385×190×220
JET100S	1 "x1 "	12.5	420×200×220
JET80S+24L	1 "x1 "	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 SUPER SUCTION 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 Conditions

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

MODEL	INPUT POWER		Q(m ³ /h)													
	kW	HP	0	0.6	0.9	1.2	1.8	2.1	2.5	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						

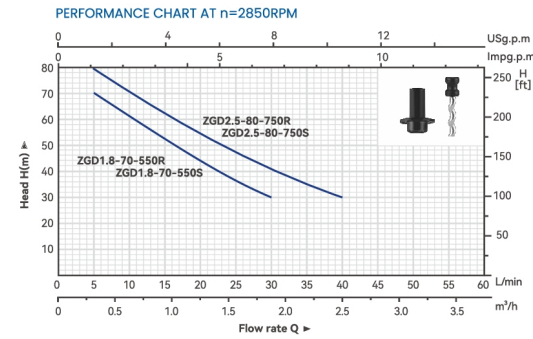
Material

- 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

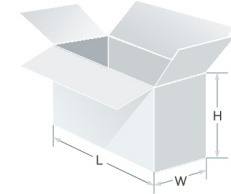
Motor

- 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

Performance Graph

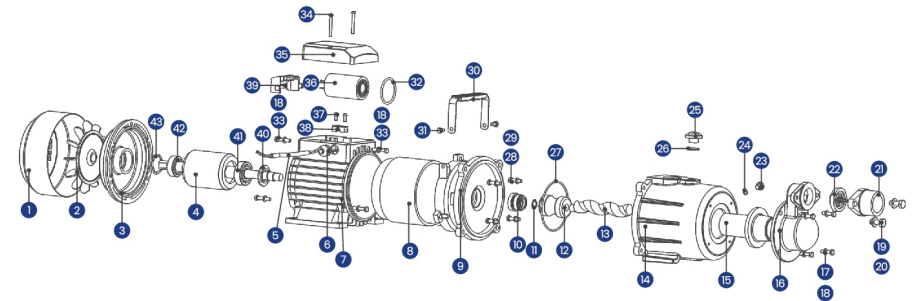


Package Size



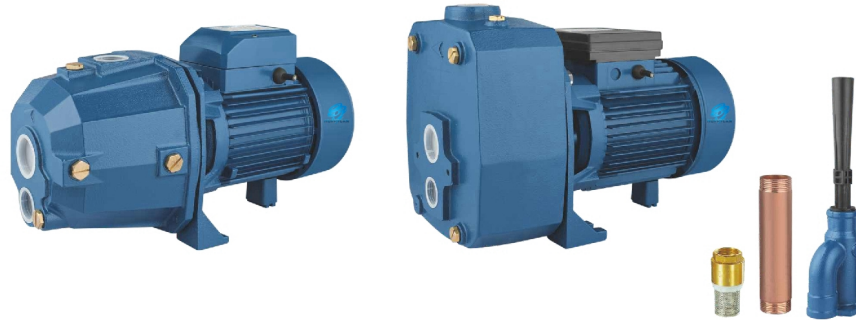
MODEL	INLET/OUTLET (Inch)	N/W (Kg)	L×W×H (mm)
ZGD1.8-70-550R	1 "×1 "	11.6	465×185×220
ZGD2.5-80-750R	1 "×1 "	12.4	465×185×220
ZGD1.8-70-550S	1 "×1 "	11.4	465×185×220
ZGD2.5-80-750S	1 "×1 "	12.2	465×185×220

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 from small 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 Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C

Material

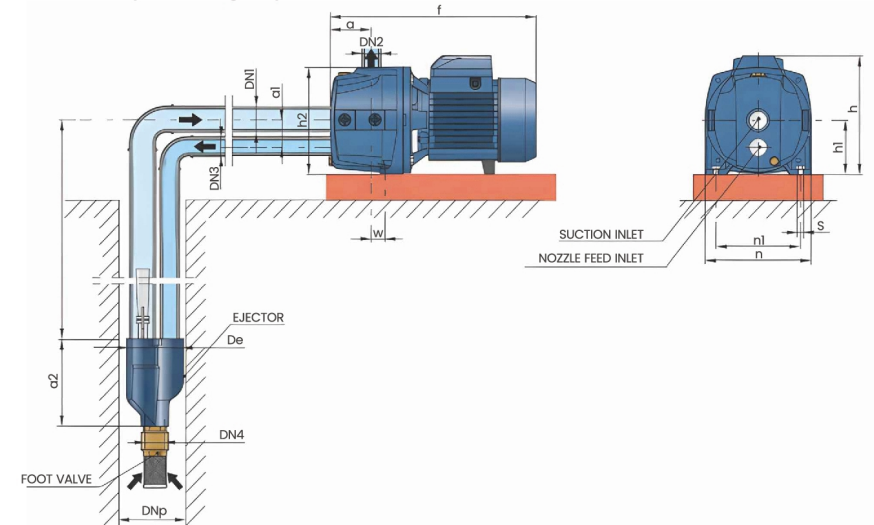
- Pump body: Cast iron
- Pump support: Cast iron
- Motor housing: Aluminum
- Impeller: Brass
- Diffuser: Noryl
- Motor shaft: Carbon steel, AISI304 SS if request
- Mechanical seal: SiC/Graphite

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	10 15 20 30	10 15 20 30	10 15 20 40	10 15 20 35 40 50	10 15 20 35 40 50
SUCTION DEPTH					
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	1½"	1½"	1½"	1½"	1½"
DN2	1"	1"	1"	1"	1"
DN3	1"	1"	1"	1"	1"
DN4	1"	1"	1"	1"	1"
DE	97	97	97	97	97
Dimension(mm)	a	91	91	55	55
	a1	45	45	45	55
	a2	142	142	142	142
	f	375	375	375	384
	f1	5185	5185	5185	455
	h	193	193	193	255
	h1	94	94	94	221
	i	177	177	177	255
	n	184	184	184	198
	n1	142	142	142	145
	w	100	100	100	120
	s	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 from small 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 Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C

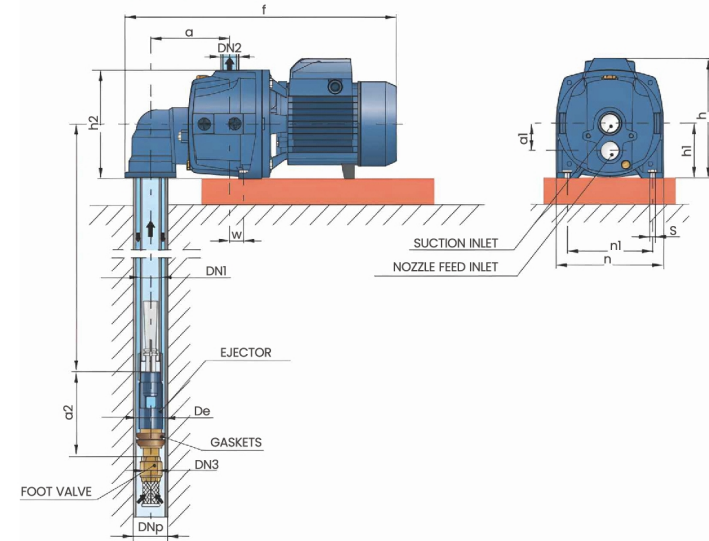
Material

- 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

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 1/2" x 1 " x 1 "	1 1/2" x 1 " x 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)	423x288x245	525x235x295
QUANTITY(PCS/20'TEU)	1010	760
DNP	2 "	2 "
DN1	1 1/2 "	1 1/2 "
DN2	1 "	1 "
DN3	1 "	1 "
DE	49	49
Medimension(mm)	a	75
	a1	46
	a2	123
	f	374
	h	206
	h1	97
	i	184
	n	190
	n1	149
	w	24
s	10	

JDW JET PUMPS FOR DEEP WELLS														
MODEL	INPUT POWER		HS	FLOW RATE LITRES/HOUR										
	kW	HP		0	120	240	360	480	600	720	840	960	1080	1200
				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	54	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										

TK CENTRIFUGAL PUMPS



TK370



TK550



TK1100

Application & Installation

They are recommended for pumping clean water without abrasive 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 Conditions

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

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

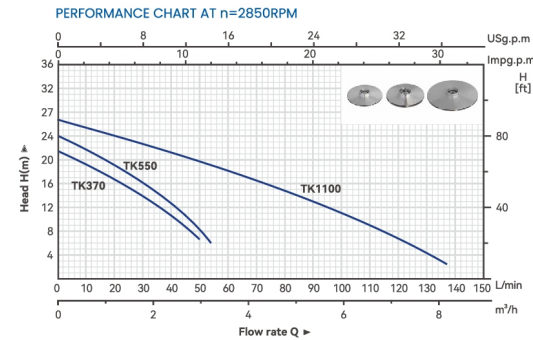
Material

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

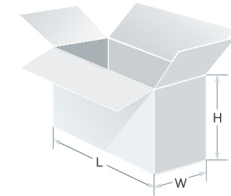
Range Of Performance

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

Performance Graph



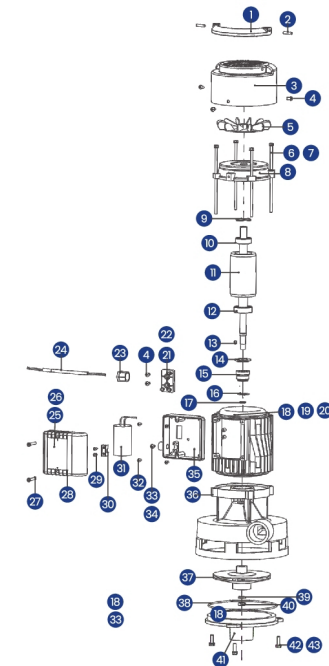
Package Size



MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L×W×H (mm)
TK370	½" × ¾"	5.7	240×240×300
TK550	¾" × ¾"	7.5	245×245×325
TK1100	1 ¼" × 1 ¼"	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 wound stator	42	Washers
21	Terminal board	43	Bolt
22	Nut		



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

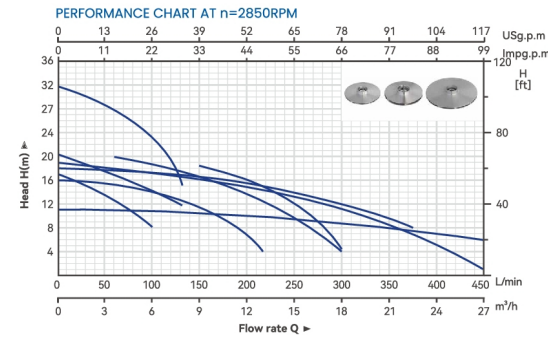
Component Construction

- 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

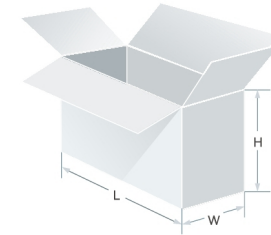
Operating Conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

Performance Graph



Package Size



MODEL	DISCHARGE (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	DISCHARGE (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		Q.rat (m³/h)	H.rat (m)	Size(mm)
		kW	HP			
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

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 Conditions

- 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/metallized 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

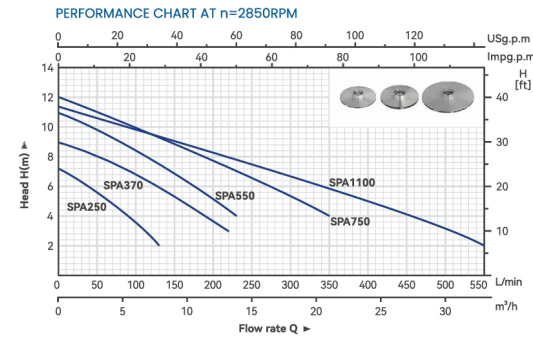
Motor

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

MODEL	DISVHARGE (MM)	POWER (kW)	SPEED (r/min)	MAX_FLOW (m³/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 (m³/h)											
	kW	HP	0	3	4.2	6	9	10.2	12	13.2	15	18		
2SA1100	1.1	1.5	H	30	29	28.5	27	24	22.5	19	18	14	6.5	

Performance Graph

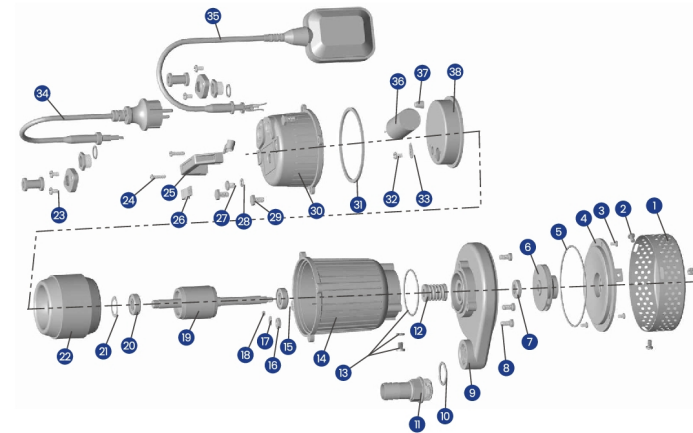


Package Size



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		

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 partial up to a maximum of ϕ 10mm.

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

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

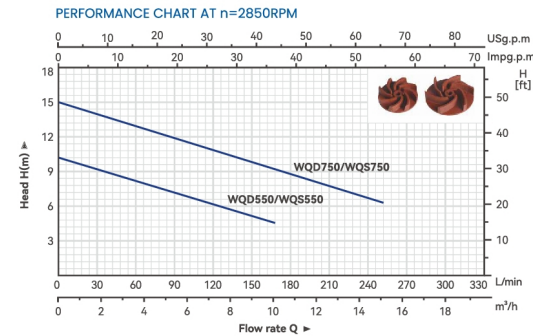
Component Construction

- 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

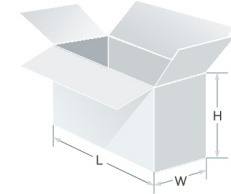
Operating Conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

Performance Graph



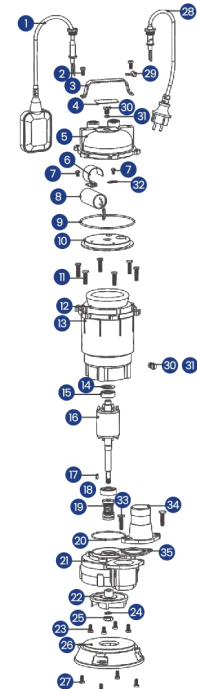
Package Size



MODEL	DISCHARGE (mm)	N.W (Kg)	L×W×H (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		



WQD SEWAGE PUMPS



WQD12C



WQD15C

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 partial up to a maximum of ϕ 10mm.

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

MODEL	INPUT POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	PIPE DIAMETER (MM)	DIAMETER OF SOLID IMPURITIES (MM)	QUANTITY (Set)
	kW	HP					
WQD12C	0.75	1.0	15	12	51	25	1200
WQD15C	1.1	1.5	15	15	51	25	1200

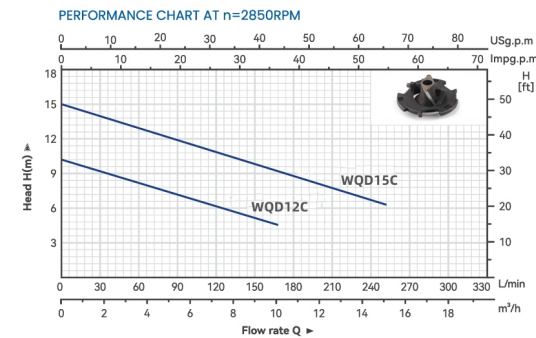
Component Construction

- 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

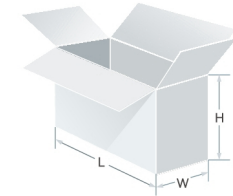
Operating Conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

Performance Graph



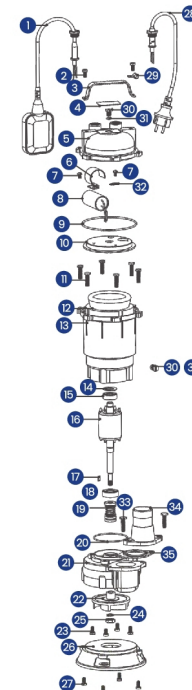
Package Size



MODEL	DISCHARGE (mm)	N.W (Kg)	L×W×H (mm)
WQD12C	51	15	430*255*220
WQD15C	51	16.3	450*255*235

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	36	Cutter



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 reliability 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

MODEL	INPUT POWER		Q(m³/h)												
	kW	HP	0	2	4	6	8	10	12	14	16	18	20	22	24
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	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

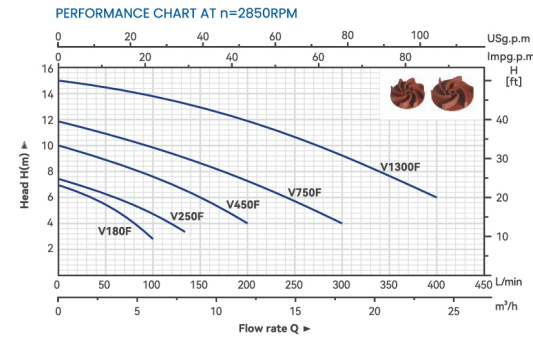
Motor

- 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

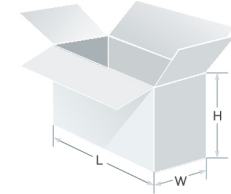
Operating Conditions

- 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: $7 \times 10^{-2} - 23 \times 10^{-4} \text{m}^2/\text{s}$.
- Density of the trans medium limit: $1.2 \times 10^3 \text{kg}/\text{m}^3$.

Performance Graph

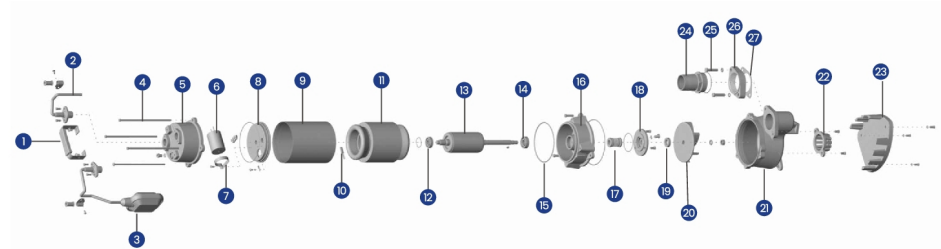


Package Size



MODEL	DISCHARGE (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	Capacitor	15	"O" ring	24	Outlet 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



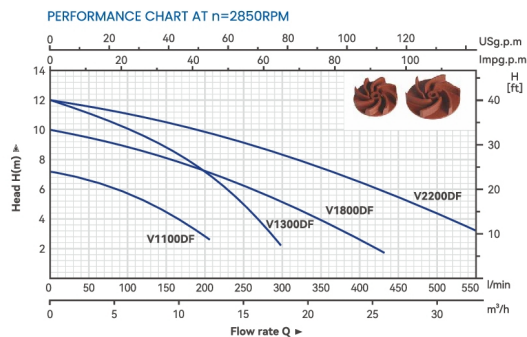
Application & Installation

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 reliability of pump's run even in the atrocious environment.

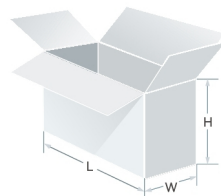
Operating Conditions

- 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: $7 \times 10^{-2} - 23 \times 10^{-6} \text{m}^2/\text{s}$.
- Density of the trans medium Limit: $1.2 \times 10^3 \text{kg}/\text{m}^3$.

Performance Graph



Package Size

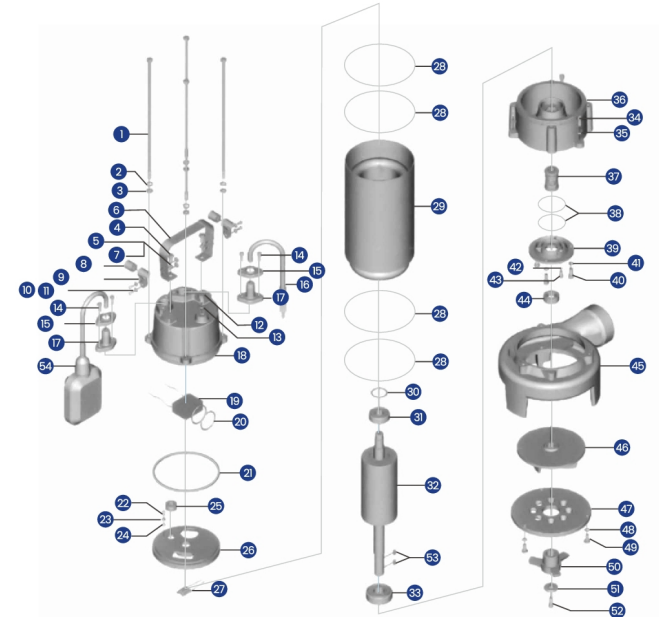


MODEL	DISVHARGE (mm)	N.W (Kg)	L×W×H (mm)
V1100DF	51	24.0	275×225×560
V1300DF	51	25.5	565×305×245
V1800DF	76	32.5	590×355×250
V2200DF	76	34.5	590×355×250

Performance Parameters

MODEL	INPUT POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30	33	
	kW	HP		Q(L/min)	0	50	100	150	200	250	300	350	400	450	500	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
1	Bolt	12	Bolt	23	Stretching washer	34	Screw
2	Stretching washer	13	"O" ring	24	Washer	35	Washer
3	Washer	14	Screw	25	Line protector	36	Connection part
4	Bolt	15	Flange	26	Motor cover	37	Mechanical seal
5	Washer	16	Cable	27	Thermal protector	38	"O" ring
6	Handle	17	Cable protector	28	"O" ring	39	Oil chamber cover
7	Nut	18	Capacitor cover	29	Motor stator	40	Screw
8	Protector	19	Capacitor	30	Undulated washer	41	Washer
9	Cable presser	20	"O" ring	31	Ball bearing	42	"O" ring
10	Washer	21	Rubber washer	32	Rotor	43	Screw
11	Screw	22	Screw	33	Ball bearing	44	Oil seal
						45	Pump body
						46	Impeller
						47	Shredding ring
						48	Washer
						49	Bolt
						50	Radial cutter
						51	Washer
						52	Screw
						53	Key
						54	Float switch

YPS CIRCULATING PUMPS



For selection



Cast iron



Stainless steel pump body for selection

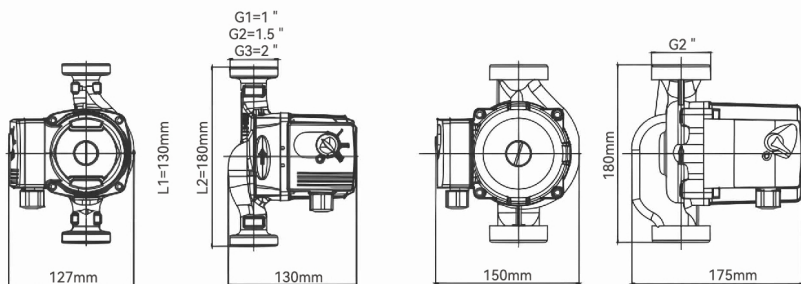
Application & Installation

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 different fields as the liquid circulation, boiler solar energy supplied water in pressurization and hot water circulation, cooling system and house water supplying.

Operating Conditions

- Fluid temperature rang: -10°C~+110°C
- Maximum ambient temperature: 40°C
- Manual 3-speed 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	170/90/30	170/90/30	170/90/30
YPS-SS25/6	93/68/40	55/40/30	55/40/30	55/40/30

Performance Parameters

MODEL	Input Power (W)	Current (A)			Capacitance		Pipe Distance (mm)	Max head (m)	Max flow (m³/h)	Inter Box		Outer Box		20 loads Qty/pc	
		220N/50Hz	220N/50Hz	220N/50Hz	μF/450V/220V/50/60Hz	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			7	2						
	45	0.2													
	30	0.13													
YPS15-5-130	80	0.34			2.5		130	5	2	2.5	150x130x140	8	320x280x300	21	666
	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			4	2.2						
	45	0.2													
	30	0.13													
YPS20-5-130	80	0.34			2.5		130	5	2.2	2.4	150x130x140	8	320x280x300	22	666
	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			4	3						
	45	0.2													
	30	0.13													
YPS25-5-130	80	0.34			2.5		30	5	3	3	150x130x140	8	320x280x300	25	480
	55	0.24													
	35	0.1													
YPS25-6-130	90	0.4	0.4	0.4	2.5	6		6	3						
	65	0.3	0.3	0.3											
	45	0.2	0.4	0.4											
YPS25-4-180	60	0.26			2			4	3						
	45	0.2													
	30	0.1													
YPS25-5-180	80	0.34			2.5		180	5	3	3	200x130x155	8	420x280x330	26	480
	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			4	3.5						
	45	0.2													
	30	0.13													
YPS32-5-18C	80	0.34			2.5		180	5	3.5	3.6	200x130x155	8	420x280x330	30	480
	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	0.4	0	0	6	20		12	3	4.8				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						
	18	0.78	0.78	0.78											
	145	0.6	0.62	0.62											
YPS25-12-180	241	0.4	1.04	1.04	6	20		12	3.5	5.0	200x160x180	4	420x340x200	21	3200
	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			5	8					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

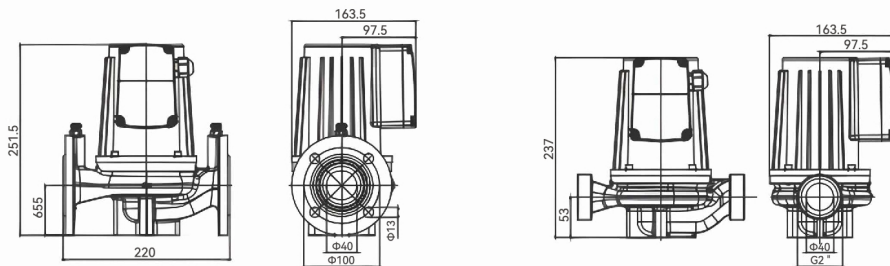
Application & Installation

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 different fields as the liquid circulation, boiler solar energy supplied water in pressurization and hot water circulation, cooling system and house water supplying.

Operating Conditions

- Fluid temperature rang: -10°C~+110°C
- Maximum ambient temperature: 40°C
- Manual 3-speed 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 G1½"	9
YP 32-12-220	245	200	220	2"	200					G2" to G1½"	9.5
YP 32-16-230	255	215	230	2"	215					G2" to G1½"	12
YP 32-18-230	255	215	230	2"	215	40	14	100	130	G2" to G1½"	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 G2½"	23
YP 65-12-300F	290	220	300	DN65	215					DN65 to G2½"	24

MODEL	Input Power (W)	Current (A)		Capacitor μF/250V 127V/60HZ	Pipe Distance (mm)	Max head (m)	Max flow (m³/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		6	15	15		
YP 40-9-250F	500	2.2	1.6	10		9	14	15.5	275x210x285	1200
YP 40-12-250F	700	3.4	2	12.5	250	12	14	19		
YP 40-16-250F	1000	4.9	2.9	16		16	15	19	300x285x215	1197
YP 40-18-250F	1300	5.8	1.6	25		18	15	19.5		
YP 50-9-280F	700	3.4	2	12.5		9	18	20		
YP 50-12-280F	1000	4.9	2.9	16	280	12	22	21	310x305x225	1071
YP 50-16-280F	1300	5.8	2	25		16	23	22		
YP 65-9-300F	1000	4.9	2.9	16		9	30	24		
YP 65-12-300F	1300	5.8		25	300	12	30	25	325x325x225	1071

QGD DEEP WELL SUBMERSIBLE PUMPS



Application & Installation

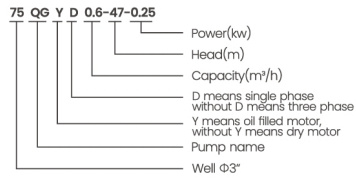
For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating Conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 5m for dry motor
80m for oil filled motor

Warranty: 1 year

According to our general sales conditions



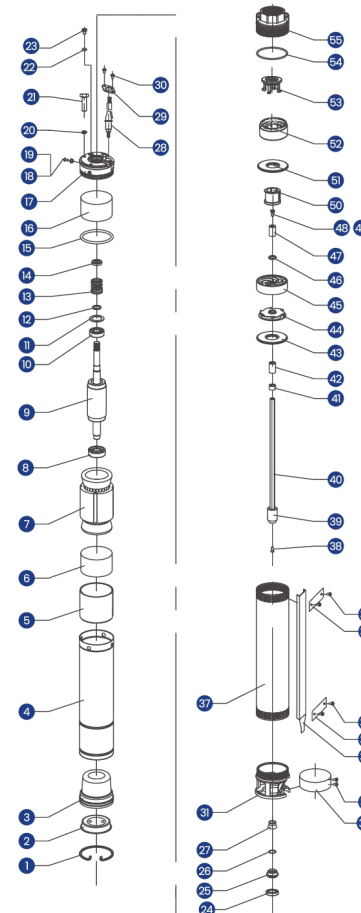
COMPONENTS	MATERIAL
Outlet	AISI304 SS+45#
Connector	AISI 201 SS
Motor external casing	AISI 201 SS
Top chock	1.Cast-iron
Mechanical seal	Special seal for deep well (carbon-SiC/TC)
Shaft	45#
Bearing	1. C&U 2. NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use

MODEL		P2		DN	Q	DELIVER n≈2850 r/min									
1~220V/240V	3~380V/415V	kW	HP			m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	
75QGYD0.6-47-0.25		0.25	0.33	1"	H	0	0	5	10	15	20	25	30	35	
90QGYD0.6-50-0.37		0.37	0.5	1"		76	62	47	33	17					
90QGD0.6-50-0.37		0.37	0.5	1"		80	67	50	36	19					
100QGYD0.9-60-0.55	100QGY0.9-60-0.55	0.55	0.75	1"		80	67	50	36	19					
100QGD0.9-60-0.55	100QG0.9-60-0.55	0.55	0.75	1"		91	83	72	60	46	32	14			
100QGYD0.9-70-0.75	100QGY0.9-70-0.75	0.75	1	1"		91	83	72	60	46	32	14			
100QGD0.9-70-0.75	100QG0.9-70-0.75	0.75	1	1"		100	90	80	70	60	48	36	25		
4QGD0.9-70-0.75	100QG0.9-70-0.75	0.75	1	1"		100	90	80	70	60	48	36	25		

75SR DEEP WELL SUBMERSIBLE PUMPS



Explode Drawing



NO.	DESCRIPTION	NO.	DESCRIPTION
1	Clamping spring	31	Connector
2	End cover	32	Strainer
3	Rubber cup	33	Screw
4	Motor external casing	34	Cable cover
5	Bearing seat	35	Guard plate buckle
6	Insulation sleeve	36	Screw
7	Stator	37	Pump external casing
8	Bearing	38	Screw
9	Rotor	39	Coupling
10	Bearing	40	Shaft
11	Corrugated gasket	41	Adjust shaft sleeve
12	Seal Gasket	42	Bottom shaft sleeve
13	Mechanical seal	43	Diffuser cover
14	Stator ring	44	Impeller
15	"O" ring	45	Diffuser
16	Stator ring	46	Hexagon gasket
17	Top chock	47	Upper shaft sleeve
18	Button	48	Hexagon head bolt
19	Screw	49	Spring washers
20	Spring washers	50	Rubber shaft sleeve
21	Screw	51	Diffuser cover
22	"O" ring	52	Valve seat
23	Oil cup cover screw	53	Valve core
24	Skeleton oil seal	54	Adjust the washer
25	Sand proof seat	55	Outlet
26	Gasket		
27	Sand proof cup		
28	Cable		
29	Pressure clamp plate		
30	Screw		

75SR DEEP WELL SUBMERSIBLE PUMPS



Application & Installation

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

Operating Conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80m
- Minimum well diameter: 3.5"

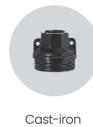
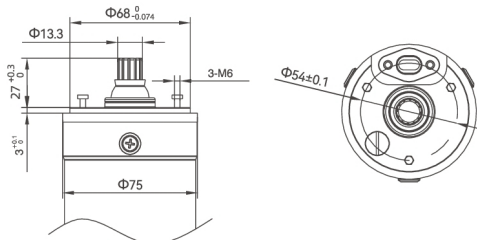
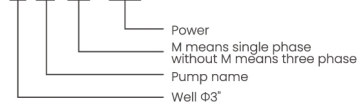
Motor

- Rewindable motor or full obtruded screen motor
- Three-phase: 220V/380V/50Hz
- Single-phase: 220V/50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Company dimension standards
- Curve tolerance according to ISO 2548

Model instruction

according to our general sales conditions

75 SR (M) - 0.37



Performance Parameters

COMPONENTS	MATERIAL
Pump external casing	① AISI 201 SS ② AISI 304 SS
Outlet	① Cast-Cu ASTM280 ② Cast- iron
Connector	① Cast-Cu ASTM280 ② Cast- iron
Diffuser	Plastic-PC.
Impeller	Plastic-POM.
Shaft	① 410 ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Motor external casing	① AISI 316 SS ② AISI 304 SS
Top chock	① Cast-Cu ASTM280 ② Cast-Iron G20 UNI5007
Mechanical seal	Special seal for deep well (carbon-SiC/TC)
Shaft	AISI 304 SS-C1045
Bearing	① NSK ② C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use



Performance Parameters

MODEL		POWER		Q(m³/h)										
SINGLE PHASE	THREE PHASE	kW	HP	0	0.5	1	1.5	1.8	2	2.5	2.8	3.0	3.8	
				Q(L/min)										
				0	8	17	25	30	33	42	47	50	63	
75SRM1/10	75SR1/10	0.25	0.33	38	37.2	36.7	33.3	27.3	20	10	1.5			
75SRM1/15	75SR1/15	0.37	0.5	55	54	50	46.2	41.7	29	14	5			
75SRM1/22	75SR1/22	0.55	0.75	79	78	72	63.5	54.6	42	20	7			
75SRM1/30	75SR1/30	0.75	1	108	105	93	83.4	69.5	57	32	10			
75SRM1/40	75SR1/40	1.1	1.5	144	132	120	102.8	84.9	64	37.7	13			
75SRM2/8	75SR2/8	0.25	0.33	28	27	26	25	23	22	17	15	11	1	
75SRM2/11	75SR2/11	0.37	0.5	39	37	36	34	32	30	24	22	15	2	
75SRM2/17	75SR2/17	0.55	0.75	60	58	56	52	49	46	37	31	23	3	
75SRM2/24	75SR2/24	0.75	1	85	82	79	74	70	65	55	45	33	3	
75SRM2/33	75SR2/33	1.1	1.5	110	107	101	95	90	85	69	60	42	4	

MODEL		POWER		Q(m³/h)													
SINGLE PHASE	THREE PHASE	KW	HP	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6	
				Q(L/min)													
				0	5	10	15	20	25	30	35	40	45	50	55	60	
75SRM1.8/7	75SR1.8/7	0.18	0.25	29	29	28	27	26	24	21	17	13	8				
75SRM1.8/10	75SR1.8/10	0.25	0.33	42	41	40	39	37	34	30	25	19	12				
75SRM1.8/14	75SR1.8/14	0.37	0.5	59	58	57	55	52	48	42	35	26	16				
75SRM1.8/20	75SR1.8/20	0.55	0.75	84	83	81	78	74	69	60	50	37	23				
75SRM1.8/27	75SR1.8/27	0.75	1	113	111	109	106	101	92	82	67	51	32				
75SRM1.8/37	75SR1.8/37	1.1	1.5	155	153	150	145	138	127	112	92	69	43				
75SRM1.8/47	75SR1.8/47	1.5	2	197	194	190	184	175	161	142	117	88	55				
75SRM2.5/5	75SR2.5/5	0.18	0.25	21	21	20	20	19	19	18	17	15	14	12	9	7	
75SRM2.5/7	75SR2.5/7	0.25	0.33	29	29	29	28	27	26	25	23	21	19	16	13	9	
75SRM2.5/10	75SR2.5/10	0.37	0.5	42	41	41	40	39	37	36	33	31	27	23	18	13	
75SRM2.5/15	75SR2.5/15	0.55	0.75	63	62	61	60	58	56	53	50	46	41	35	27	20	
75SRM2.5/20	75SR2.5/20	0.75	1	84	83	82	80	78	74	71	67	61	54	46	37	27	
75SRM2.5/28	75SR2.5/28	1.1	1.5	117	116	114	112	109	104	100	93	86	76	65	51	37	
75SRM2.5/36	75SR2.5/36	1.5	2	151	149	147	144	140	134	128	120	110	98	83	66	48	

90SR DEEP WELL SUBMERSIBLE PUMPS



Application & Installation

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

Operating Conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80m
- Minimum well diameter: 3.5"

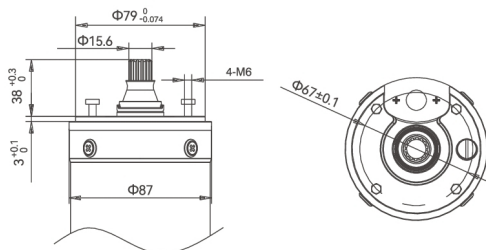
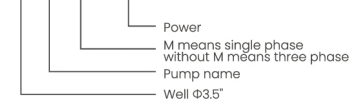
Motor

- Rewindable motor or full obturated screen motor
- Three-phase: 220V/380V/50Hz
- Single-phase: 220V/50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Company dimension standards
- Curve tolerance according to ISO 2548

Model instruction

according to our general sales conditions

90 SR (M) - 0.37



AISI 304SS



Cast-iron



Thickness of pipe can be chosen: screw outside 0.8mm; screw inside 145mm



Capacitor inside

Performance Parameters

COMPONENTS	MATERIAL
Pump external casing	① AISI 201 SS ② AISI 304 SS
Outlet	① Cast-Cu ASTM280 ② Cast-iron
Connector	① Cast-Cu ASTM280 ② Cast-iron
Diffuser	Plastic.PC.
Impeller	Plastic.POM.
Shaft	① 410 ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Motor external casing	① AISI 316 SS ② AISI 304 SS
Top chock	① Cast-Cu ASTM280 ② Cast-Iron G20 UNI5007
Mechanical seal	Special seal for deep well (carbon-SiC/TC)
Shaft	AISI 304 SS-C1045
Bearing	① NSK ② C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use



MODEL		POWER		Q(m³/h)	0	0.5	0.75	1	1.5	2	2.8	3	3.5	4.0	4.5	5.6	
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)	0	8	13	17	25	33	47	50	58	67	75	93	
90SRM1/6	90SR1/6	0.25	0.33	H	33	32	31	30	25	20	2						
90SRM1/9	90SR1/9	0.37	0.5		50	49	47	45	38	29	3						
90SRM1/12	90SR1/12	0.55	0.75		67	65	63	60	50	38	4						
90SRM1/14	90SR1/14	0.55	0.75		78	76	74	70	59	45	5						
90SRM1/18	90SR1/18	0.75	1		101	98	95	90	76	58	6						
90SRM1/22	90SR1/22	1.1	1.5		123	120	116	110	92	70	7						
90SRM1/26	90SR1/26	1.5	2		143	138	135	130	109	83	8						
90SRM2/5	90SR2/5	0.25	0.33		26	25	24.7	24.5	24	23	22	20	17	15	11	2	
90SRM2/7	90SR2/7	0.37	0.5		35	34	33.5	33	32	30	28	26	23	18	14	3	
90SRM2/11	90SR2/11	0.55	0.75		55	54	53.5	53	52	49	45	42	38	32	25	4	
90SRM2/16	90SR2/16	0.75	1		78	76	75.5	75	71	66	61	55	48	39	30	5	
90SRM2/19	90SR2/19	1.1	1.5		93	92	91.5	91	89	84	78	71	63	53	42	6	
90SRM2/21	90SR2/21	1.5	2	102	101	100.5	100	96	91	85	77	68	56	43	7		

MODEL		POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100	
90SRM3/6	90SR3/6	0.25	0.33	H	36	35	34	32	30	26	21	15	7			
90SRM3/8	90SR3/8	0.37	0.5		48	47	45	43	40	35	28	20	9			
90SRM3/11	90SR3/11	0.55	0.75		66	64	62	59	55	48	39	27	13			
90SRM3/14	90SR3/14	0.75	1		84	82	79	75	70	61	50	34	16			
90SRM3/17	90SR3/17	1.1	1.5		102	99	96	92	85	75	60	42	20			
90SRM3/20	90SR3/20	1.1	1.5		120	117	113	108	100	88	71	49	23			
90SRM3/23	90SR3/23	1.5	2		138	134	130	124	115	101	81	57	27			
90SRM3/26	90SR3/26	1.5	2		156	152	147	140	130	114	92	64	30			
90SRM4/5	90SR4/5	0.25	0.33		30	29	28	27	26	25	23	20	17	14	9	
90SRM4/7	90SR4/7	0.37	0.5		41	40	39	38	36	35	32	28	24	19	12	
90SRM4/9	90SR4/9	0.55	0.75		53	52	50	49	47	45	41	36	31	25	16	
90SRM4/11	90SR4/11	0.75	1		65	63	62	59	57	54	51	45	38	30	19	
90SRM4/13	90SR4/13	1.1	1.5	77	75	73	70	68	64	60	53	45	36	23		
90SRM4/16	90SR4/16	1.1	1.5	94	92	90	86	83	79	74	65	56	44	28		
90SRM4/18	90SR4/18	1.5	2	106	104	101	97	94	89	83	73	63	50	32		
90SRM4/20	90SR4/20	1.5	2	118	115	112	108	104	99	92	81	70	55	35		

100SR DEEP WELL SUBMERSIBLE PUMPS



Application & Installation

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

Operating Conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80m
- Minimum well diameter: 3.5"

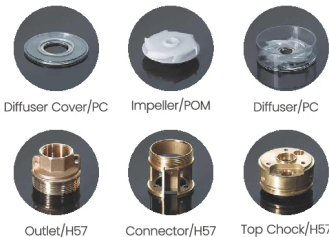
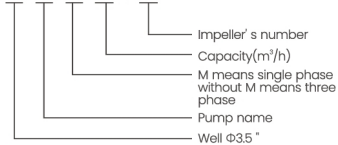
Motor

- Rewindable motor or full obturated screen motor
- Three-phase: 220V/380V/50Hz
- Single-phase: 220V/50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Company dimension standards
- Curve tolerance according to ISO 2548

Warranty: 1 year

according to our general sales conditions

100 SR (M) 3 / 8



AISI 304SS



Cast-iron



Thickness of pipe can be chosen: screw outside 0.8mm; screw inside 1.45mm



Capacitor inside

COMPONENTS	MATERIAL
Pump external casing	① AISI 201 SS ② AISI 304 SS
Outlet	① Cast-Cu ASTM280 ② Cast- iron
Connector	① Cast-Cu ASTM280 ② Cast- iron
Diffuser	Plastic.PC.
Impeller	Plastic.POM.
Shaft	① 410 ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Motor external casing	① AISI 316 SS ② AISI 304 SS
Top chock	① Cast-Cu ASTM280 ② Cast-Iron G20 UNI5007
Mechanical seal	Special seal for deep well (carbon-SiC/TC)
Shaft	AISI 304 SS-C1045
Bearing	① NSK ② C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

Performance Parameters

MODEL		POWER		Q(m³/h)		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)		0	5	10	15	20	25	30	35	40	45	50	55
100SRM2/6	100SR2/6	0.25	0.33	H		44	43	43	42	41	39	37	34	31	27	23	19
100SRM2/8	100SR2/8	0.37	0.5	H		58	58	57	56	54	52	50	46	42	36	30	25
100SRM2/11	100SR2/11	0.55	0.75	H		80	79	78	77	75	72	68	63	57	50	42	34
100SRM2/14	100SR2/14	0.7	1	H		102	10	100	98	95	92	87	80	73	64	53	43
100SRM2/16	100SR2/16	0.75	1	H		116	116	114	112	109	105	99	92	83	73	61	50
100SRM2/19	100SR2/19	1.1	1.5	H		138	137	135	133	129	124	118	109	99	86	72	59
100SRM2/22	100SR2/22	1.1	1.5	H		160	159	157	154	150	144	136	126	114	100	84	68
100SRM2/25	100SR2/25	1.5	2	H		182	181	178	175	170	164	155	144	130	114	95	77
100SRM2/28	100SR2/28	1.5	2	H		204	20	200	196	191	183	173	161	145	127	107	87
100SRM2/33	100SR2/33	2.2	3	H		240	236	235	231	225	216	204	189	171	150	126	102
100SRM2/38	100SR2/38	2.2	3	H		276	275	27	266	259	249	235	218	197	173	145	118
	100SR2/44	3	4	H		320	318	314	308	299	288	273	253	229	200	167	136
	100SR2/50	3	4	H		364	361	356	35	340	327	310	287	260	227	190	155
	100SR2/56	4	5.5	H		407	405	399	392	381	367	347	322	291	255	213	173
	100SR2/62	4	5.5	H		451	448	442	434	422	406	384	356	322	282	236	192

MODEL		POWER		Q(m³/h)		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)		0	10	20	30	40	50	60	70	80
100SRM3/5	100SR3/5	0.25	0.33	H		38	38	36	34	32	28	24	18	12
100SRM3/7	100SR3/7	0.37	0.5	H		53	53	51	48	44	39	33	25	17
100SRM3/9	100SR3/9	0.55	0.75	H		69	68	65	62	57	51	43	33	22
100SRM3/11	100SR3/11	0.75	1	H		84	83	80	76	69	62	52	40	27
100SRM3/13	100SR3/13	0.75	1	H		99	98	94	89	82	73	62	47	32
100SRM3/15	100SR3/15	1.1	1.5	H		115	113	109	103	95	84	71	54	37
100SRM3/17	100SR3/17	1.1	1.5	H		130	128	124	117	107	96	80	62	42
100SRM3/19	100SR3/19	1.5	2	H		145	143	138	131	120	107	90	69	47
100SRM3/21	100SR3/21	1.5	2	H		160	158	153	145	133	118	99	76	51
100SRM3/25	100SR3/25	2.2	3	H		191	188	182	172	158	141	118	91	61
100SRM3/29	100SR3/29	2.2	3	H		221	218	211	200	183	163	137	105	71
	100SR3/34	3	4	H		260	256	247	234	215	192	161	124	83
	100SR3/39	3	4	H		298	293	283	268	246	220	185	142	96
	100SR3/44	4	5.5	H		336	331	320	303	278	248	208	160	108
	100SR3/49	4	5.5	H		374	368	356	337	310	276	232	178	120
	100SR3/55	5.5	7.5	H		420	413	400	379	347	310	260	200	135
	100SR3/60	5.5	7.5	H		458	451	436	413	379	338	284	218	147

MODEL		POWER		Q(m³/h)		0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)		0	20	30	40	50	60	70	80	90	100
100SRM4/5	100SR4/5	0.37	0.5	H		39	36	35	34	32	29	26	23	18	14
100SRM4/7	100SR4/7	0.55	0.75	H		54	51	49	48	45	41	37	32	26	19
100SRM4/8	100SR4/8	0.75	1	H		62	58	56	54	51	47	42	36	29	22
100SRM4/9	100SR4/9	0.75	1	H		70	65	63	61	57	53	48	41	33	25
100SRM4/11	100SR4/11	1.1	1.5	H		85	80	77	75	70	65	58	50	40	30
100SRM4/13	100SR4/13	1.1	1.5	H		101	94	91	88	83	76	69	59	48	36
100SRM4/15	100SR4/15	1.5	2	H		116	108	105	102	96	88	79	68	55	41
100SRM4/17	100SR4/17	1.5	2	H		131	123	120	116	109	100	90	77	62	46
100SRM4/21	100SR4/21	2.2	3	H		162	152	148	143	134	124	111	95	77	57
100SRM4/24	100SR4/24	2.2	3	H		186	174	169	163	153	141	127	109	88	66
	100SR4/28	3	4	H		217	203	197	190	179	165	148	127	103	77
	100SR4/32	3	4	H		247	231	225	218	204	188	170	145	117	87
	100SR4/36	4	5.5	H		278	260	253	245	230	212	191	163	132	98
	100SR4/40	4	5.5	H		309	289	281	272	255	235	212	181	147	109
	100SR4/45	5.5	7.5	H		348	326	317	306	287	265	239	204	165	123
	100SR4/50	5.5	7.5	H		387	362	352	340	319	294	265	227	183	137
	100SR4/55	7.5	10	H		425	398	387	374	351	324	291	249	202	150
	100SR4/60	7.5	10	H		464	434	422	408	383	353	318	272	220	164

Performance Parameters

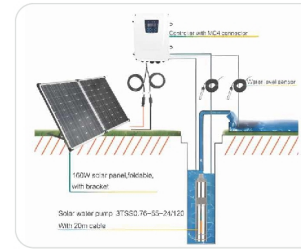
MODEL		POWER		DN	Q(m³/h)	DELIVER n≈2850r/min							
1~ 220V/240V	3~ 380V/415V	kW	HP			0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
						0	10	40	60	80	100	120	140
100SRM6/4	100SR6/4	0.37	0.5	1½"	H	28	27	25	24	21	19	14	9
100SRM6/5	100SR6/5	0.55	0.75	1½"		35	34	32	29	26	23	17	11
100SRM6/7	100SR6/7	0.75	1	1½"		50	48	44	41	37	33	24	15
100SRM6/9	100SR6/9	1.1	1.5	1½"		64	62	57	53	48	42	31	20
100SRM6/12	100SR6/12	1.5	2	1½"		85	83	75	71	64	56	41	26
100SRM6/17	100SR6/17	2.2	3	1½"		120	117	107	100	90	80	58	37
100SRM6/22	100SR6/22	3	4	1½"		156	151	138	130	117	103	75	48
100SRM6/29	100SR6/29	4	5.5	1½"		206	199	183	171	154	136	98	64
	100SR6/40	5.5	7.5	1½"		284	275	252	236	212	188	136	88
	100SR6/50	7.5	10	1½"		355	344	315	295	265	235	170	110

MODEL		POWER		DN	Q(m³/h)	DELIVER n≈2850r/min									
1~ 220V/240V	3~ 380V/415V	kW	HP			0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
						0	20	40	60	80	100	120	140	160	180
100SRM8/4	100SR8/4	0.55	0.75	2"	H	25	24	23	21	20	19	17	16	13	10
100SRM8/6	100SR8/6	0.75	1	2"		37	36	35	32	29	28	26	25	20	15
100SRM8/8	100SR8/8	1.1	1.5	2"		50	48	46	42	39	38	35	33	26	20
100SRM8/10	100SR8/10	1.5	2	2"		62	60	58	53	49	48	44	41	33	25
100SRM8/16	100SR8/16	2.2	3	2"		99	96	93	85	78	74	70	66	53	40
100SRM8/20	100SR8/20	3	4	2"		124	120	116	106	98	92	88	82	66	50
100SRM8/24	100SR8/24	4	5.5	2"		149	144	139	127	118	110	105	98	79	60
	100SR8/32	5.5	7.5	2"		198	192	186	170	157	147	141	131	106	80
	100SR8/40	7.5	10	2"		248	240	232	212	196	184	176	164	132	100

MODEL		POWER		DN	Q(m³/h)	DELIVER n≈2850r/min									
1~ 220V/240V	3~ 380V/415V	kW	HP			0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
						0	30	60	90	120	150	180	210	240	
100SRM10/4	100SR10/4	0.75	1	2"	H	25	24	22	21	20	18	14	8	2	
100SRM10/6	100SR10/6	1.1	1.5	2"		37	36	34	32	30	27	22	13	3	
100SRM10/9	100SR10/9	1.5	2	2"		56	54	50	49	45	41	32	19	5	
100SRM10/12	100SR10/12	2.2	3	2"		74	72	67	65	60	54	43	25	6	
100SRM10/17	100SR10/17	3	4	2"		105	102	95	92	85	76	61	36	9	
100SRM10/21	100SR10/21	4	5.5	2"		130	126	117	113	105	95	76	44	11	
	100SR10/28	5.5	7.5	2"		174	168	157	151	140	126	101	59	14	
	100SR10/36	7.5	10	2"		223	216	202	194	180	162	130	76	18	

MODEL		POWER		DN	Q(m³/h)	DELIVER n≈2850r/min									
1~ 220V/240V	3~ 380V/415V	kW	HP			0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
						0	30	60	90	120	150	180	210	240	
100SRM12/5	100SR12/5	1.1	1.5	2"	H	30	29	27	26	23	20	19	15	11	
100SRM12/7	100SR12/7	1.5	2	2"		42	41	38	36	32	29	27	21	16	
100SRM12/12	100SR12/12	2.2	3	2"		72	70	65	62	55	49	46	36	27	
100SRM12/15	100SR12/15	3	4	2"		90	87	81	78	69	61	58	45	34	
100SRM12/19	100SR12/19	4	5.5	2"		114	110	103	99	87	78	73	57	44	
	100SR12/23	5.5	7.5	2"		138	133	124	119	106	94	88	69	53	
	100SR12/29	7.5	10	2"		174	168	157	151	133	119	111	87	67	

75YDC SOLAR PUMPS

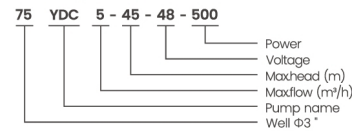


Operating Conditions

- Single phase: 0.18KW to 1.5KW
- Three phase: 0.18KW to 1.5KW
- Voltage: 220V or 380V
- Insulation: B
- Protection grade: IP68
- Max liquid temperature: 35°C
- Connection and coupling size according to Company standard
- Motor casing: SUS201 or SUS304

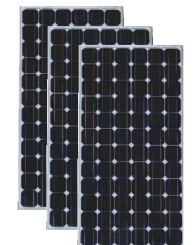
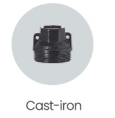
Model Instruction

according to our general sales conditions

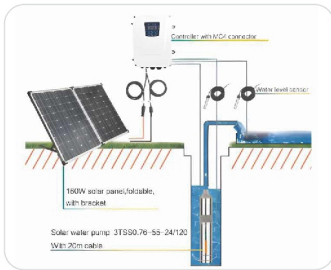


Performance Parameters

MODEL	VOLTAGE	BEST INPUT VOLTAGE(DC)	POWER (W)	MAX.FLOW (m³/h)	MAX.HEAD (m)	OUTLET	CABLE	INPUT POWER	
								OPEN CIRCUIT VOLTAGE(VOC)	POWER
75YDC5-45-48-500	48V	60V-90V	500	5	45	1½"	2	<100V	≥1.3*PUMP POWER
75YDC5.2-50-48-600	48V	60V-90V	600	5.2	50	1½"	2	<100V	≥1.3*PUMP POWER
75YDC5.2-50-72-600	72V	90V-120V	600	5.2	50	1½"	2	<150V	≥1.3*PUMP POWER
75YDC5.2-75-110-750	110V	110V-150V	750	5.2	75	1½"	2	<200V	≥1.3*PUMP POWER
75YDC5.5-65-72-750	72V	90V-120V	750	5.5	65	1½"	2	<150V	≥1.3*PUMP POWER
75YDC5.5-65-110-750	110V	110V-150V	750	5.5	65	1½"	2	<200V	≥1.3*PUMP POWER
75YDC6-84-110-1100	110V	110V-150V	1100	6	84	1½"	2	<200V	≥1.3*PUMP POWER
75YDC6-125-110-1500	110V	110V-150V	1500	6	125	1½"	2	<200V	≥1.3*PUMP POWER
75YDC7-46-72-750	72V	90V-120V	750	7	46	1½"	2	<150V	≥1.3*PUMP POWER
75YDC7-46-110-750	110V	110V-150V	750	7	46	1½"	2	<200V	≥1.3*PUMP POWER
75YDC7.5-62-110-1100	110V	110V-150V	1100	7.5	62	1½"	2	<200V	≥1.3*PUMP POWER
75YDC7.5-78-110-1500	110V	110V-150V	1500	7.5	78	1½"	2	<200V	≥1.3*PUMP POWER



100YDC SOLAR PUMPS

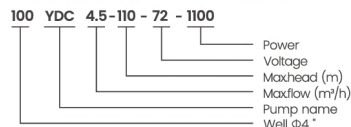


Operating Conditions

- Single phase: 0.18KW to 1.5KW
- Three phase: 0.18KW to 1.5KW
- Voltage: 220V or 380V
- Insulation: B
- Protection grade: IP68
- Max liquid temperature: 35°C
- Connection and coupling size according to Company standard
- Motor casing: SUS201 or SUS304

Model Instruction

according to our general sales conditions



Performance Parameters

MODEL	VOLTAGE	BEST INPUT VOLTAGE(DC)	POWER (W)	MAX.FLOW (m³/h)	MAX.HEAD (m)	OUTLET	CABLE	INPUT POWER	
								OPEN CIRCUIT VOLTAGE(VOC)	POWER
100YDC4.5-110-72-1100	72V	90V-120V	1100	4.5	110	1 1/2"	2	<150V	≥1.3*PUMP POWER
100YDC4.5-110-110-1100	110V	110V-150V	1100	4.5	110	1 1/2"	2	<200V	≥1.3*PUMP POWER
100YDC6-42-48-600	48V	60V-90V	600	6.0	45	1 1/2"	2	<100V	≥1.3*PUMP POWER
100YDC6-42-72-600	72V	90V-120V	600	6.0	45	1 1/2"	2	<150V	≥1.3*PUMP POWER
100YDC6-56-48-750	48V	60V-90V	750	6.0	56	1 1/2"	2	<100V	≥1.3*PUMP POWER
100YDC6-56-72-750	72V	90V-120V	750	6.0	56	1 1/2"	2	<150V	≥1.3*PUMP POWER
100YDC6-84-72-1100	72V	90V-120V	1100	6.0	84	1 1/2"	2	<150V	≥1.3*PUMP POWER
100YDC6-84-110-1100	110V	110V-150V	1100	6.0	84	1 1/2"	2	<200V	≥1.3*PUMP POWER
100YDC6-112-110-1300	110V	110V-150V	1300	6.0	114	1 1/2"	2	<200V	≥1.3*PUMP POWER
100YDC6-135-110-1500	110V	110V-150V	1500	6.0	135	1 1/2"	2	<200V	≥1.3*PUMP POWER



HDM DEEP WELL SUBMERSIBLE PUMPS



Application & Installation

This series of electric pumps has a multi-stage impeller structure with a high head and wide application. It is suitable for pumping water in boreholes, ponds and lakes, lawn irrigation, domestic tap water, swimming pool filling, water tower and cistern delivery, fountains, agricultural drainage and irrigation, etc.

Operating Conditions

Medium temperature does not exceed +40;
 Medium PH values between 6.5 and 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.;
 Diving depth does not exceed 70 meters;
 Min.applicable well diameter: 4"

Motor

- Rewindable motor or full obturated screen motor
- Three-phase: 220V/380V/50Hz
- Single-phase: 220V/50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Company dimension standards
- Curve tolerance according to ISO 2548

Performance Parameters

MODEL		POWER		Q(m³/h)										
SINGLE PHASE	THREE PHASE	kW	HP	Q(L/min)										
				0	0.5	1	1.5	1.8	2	2.5	2.8	3.0	3.8	
HDM1.8-16/3-0.18		0.18	0.24	27	25	22	21	19	17	16	13	11	5	
HDM1.8-25/4-0.25		0.25	0.34	36	33	30	29	27	25	22	19	16	9	
HDM1.8-32/5-0.37		0.37	0.5	44	40	36	33	32	28	25	22	18	10	
HDM1.8-40/6-0.55		0.55	0.75	53	48	43	41	40	35	31	27	24	12	
HDM1.8-50/8-0.75		0.75	1	69	63	57	54	50	48	43	38	33	18	
HDM1.8-63/10-0.92		0.9	1.2	88	80	72	68	63	60	52	46	40	23	
HDM1.8-80/14-1.1		1.1	1.5	112	101	92	87	80	77	69	61	53	29	
HDM1.8-100/17-1.5		1.5	2	138	126	114	108	100	96	86	76	66	36	
HDM1.8-120/21-1.8		1.8	2.4	165	150	137	130	120	115	103	90	78	42	

