



WENTAI®
Italy Standard

PROFESSIONAL PUMP
PRODUCTS
PUMP MANUFACTURING EXPERT

WENTAI®
Italy Standard

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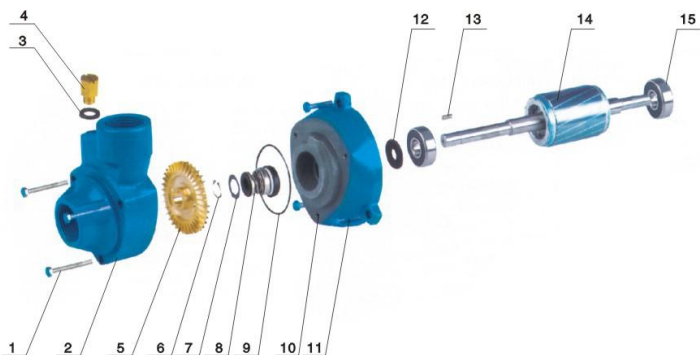
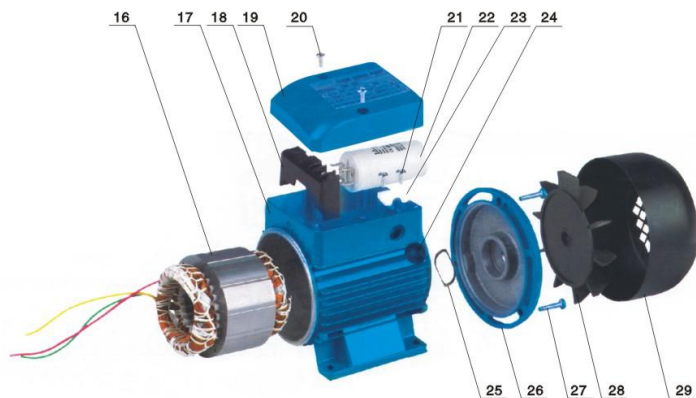
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			73-75 ACCESSORIES
			

History: 25 years experience of manufacturing water pumps;
Scale: Covers working area of 6,000 square meters. have more than 200 employees
Technology: A group of professional technical engineers and a strong R&D team;
Management: Scientific management and strict quality control system;
Equipments: Advanced automatic production line and test equipment;
Innovation: Continuously diversify products range to satisfy customers'needs,
Production capacity: 30,000 pcs/month ;
Marketing network: Europe, Asia, Africa, America, etc;
Certificate: CE, GS, ROHS, ISO9001:2008 ,
Main products: 4" and 6" submersible pumps; sewage pumps.



No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
1	Pump Body Screw	11	Screw For Motor Bracket	21	Screw For Cable Presser
2	Pump Body	12	Splash Guard	22	Capacitor
3	*O'ring For Filling Plug	13	Key	23	Cable Presser
4	Filling Plug	14	Shaft And Rotor	24	Waterproof Fairlead
5	Impeller	15	Ball Bearing	25	Adjusting Ring
6	Circlip	16	Stator	26	Motor End Cover
7	Plain Washer	17	Motor Case	27	Motor Cover-motor Case Screw
8	Mechanical Seal	18	Terminal Board	28	Fan
9	*O'ring For Pump Body	19	Terminal Cover	29	Fan Cover
10	Motor Front Bracket	20	Screw For Terminal Box Fixing		

QUALITY EXCELLENCE
THE INTEGRITY OF A SUCCESSFUL CAREER

PKM SERIES PERIPHERAL PUMP

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. Reliable, economical and simple to use, they are suitable for domestic applications and the automatic distribution of water from surge tanks, watering gardens and for boosting insufficient mains water pressure. These pumps should be installed in a covered area, protected against the weather.

PERFORMANCE RANGE

- ◆ Flow rate up to 60 L/min.(3.6m³/h)
- ◆ HEAD up to 90m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

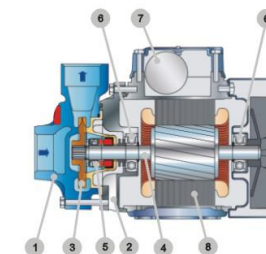
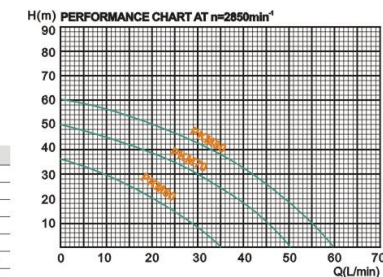
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
PKM60	0.37 0.5	36	36	1" x 1"	9	5.5	3600
PKM70	0.55 0.75	50	50	1" x 1"	9	8.5	2200
PKM80	0.75 1	80	60	1" x 1"	9	9	2200

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1
2	MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure
3	IMPELLER	Brass, with peripheral radial vanes
4	MOTOR SHAFT	Stainless steel EN 10088-3-1.4104
5	MECHANICAL SEAL	Pump Seal Shaft Materials
		Model Model Diameter Stationary ring Rotational ring Elastomer
		PKM 60 AR-12 ϕ 12mm Ceramic Graphite NBR
		PKM 70-80 AR-14 ϕ 14mm Ceramic Graphite NBR
6	BEARINGS	Pump Model
		PKM 60 6201 zz / 6201 zz
		PKM 70-80 6202 zz / 6202 zz
7	CAPACITOR	Pump Capacitance
		Single-phase (230V or 240V) (110V)
		PKM 60 10 μ F 450VL 25 μ F 250VL
		PKM 70 16 μ F 450VL 30 μ F 300VL
		PKM 80 20 μ F 450VL 40 μ F 300VL
8	ELECTRIC MOTOR	PKM: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.
		PK: three-phase 230/400V - 50Hz
		Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class.
		-Protection:IP X4.





PERFORMANCE RANGE

Flow up to 45L/min(2.7m³/h)
Head up to 60m

WORKING CONDITION

Suction lift up to 8m
Fluid temperature up to +60°C
Max ambient temperature +40°C
Max working pressure up to 6 bar

APPLICATION

These pumps are for clean water without abrasive particles and the fluids which are not chemically aggressive to the pump components.

They are used for domestic appliance and for the automatic distribution of water from surge tanks, for watering gardens and for boosting insufficient mains water pressure.



QB60



Component	Material
Pump body	Cast iron
Motor bracket	Aluminium
Impeller	Brass
Motor shaft	SS304 or #CS#45
Mechanical seal	Ceramic and graphite
Bearing	Normal or C&U

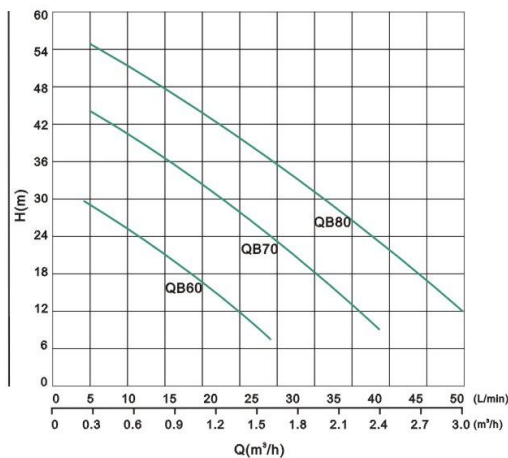
※Brass or stainless steel inserts are available if request, which reducing the difficulties when starting the pump after long period without use due to the impeller block

MOTOR

- ◆Single phase two-pole induction motor
- ◆220V/50Hz 220V/60Hz 110V/60Hz
- ◆Thermal protector, continuous duty.
- ◆Insulation class: B
- ◆Protection: IP44

RPM:n=2850r/min

Model	Power		Inlet inch	Outlet inch	Max Flow m ³ /h	Max Head m	Max Suction m	Dim mm	G.W kg
	Kw	Hp							
QB60	0.37	0.5	1"	1"	2.1	33	8	280X140X170	5.3
QB70	0.55	0.75	1"	1"	2.4	48	8	335X190X210	9
QB80	0.75	1	1"	1"	3	60	8	340X190X210	9.5



WORKING CONDITION

Suction lift up to 8m
Fluid temperature up to +60°C
Max ambient temperature +40°C
Max working pressure up to 5 bar

APPLICATION&FEATURE

These pumps are for clean water without abrasive particles and the fluids which are not chemically aggressive to the pump components.

They are used for domestic appliance and for the automatic distribution of water from surge tanks, for watering gardens and for boosting insufficient mains water pressure.



Component	Material
Pump body	Cast iron
Motor bracket	Aluminium
Impeller	Brass
Motor shaft	SS304 or #CS#45
Mechanical seal	Ceramic and graphite
Bearing	Normal or C&U

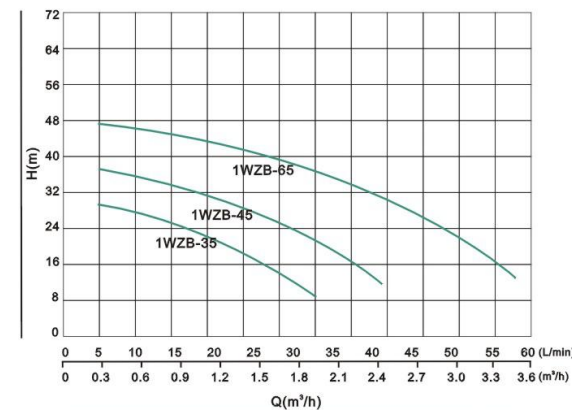
※Brass or stainless steel inserts are available if request, which reducing the difficulties when starting the pump after long period without use due to the impeller block
※Check Valve build into the suction opening

MOTOR INFORMATION

- ◆Single phase two-pole induction motor
- ◆220V/50Hz 220V/60Hz 110V/60Hz
- ◆Thermal protector, continuous duty.
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RPM:n=2850r/min

Model	Power		Inlet inch	Outlet inch	Max Flow m ³ /h	Max Head m	Max Suction m	Dim mm	G.W kg
	Kw	Hp							
1WZB-35	0.37	0.5	1"	1"	2	30	8	270X180X235	8
1WZB-45	0.55	0.75	1"	1"	2.5	40	8	285X185X260	10
1WZB-65	0.75	1	1"	1"	3.5	50	8	285X185X260	12





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PERFORMANCE RANGE

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

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

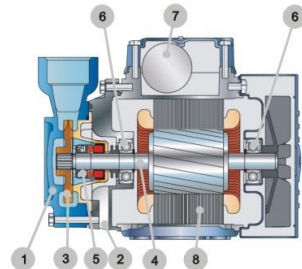
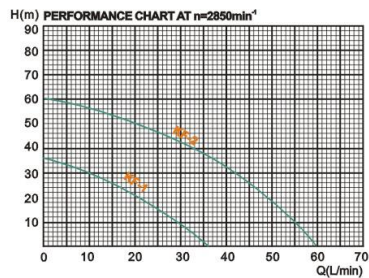
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



KF-1

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
KF-1	0.37 0.5	36	36	1" x 1"	9	5.5	3360
KF-2	0.75 1	60	60	1" x 1"	9	9	2200



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PERFORMANCE RANGE

- ◆Flow rate up to 60 L/min.(3m³/h)
- ◆Head up to 66m

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

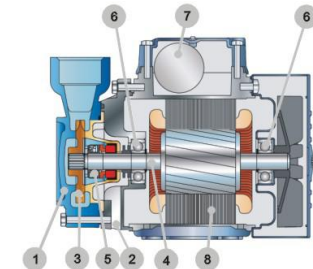
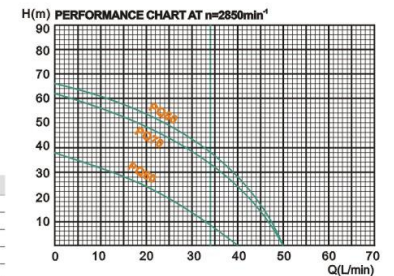
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



PQ

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
PQ 60	0.37 0.5	38	40	1" x 1"	36	5.8	3400
PQ 70	0.6 0.8	62	50	1" x 1"	50	9	2200
PQ 80	0.75 1	66	50	1" x 1"	60	9.3	2200



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS																
1 PUMP BODY	Cast Iron(brass for KF-Bs),complete with threaded ports in compliance with ISO228/1																
2 MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure																
3 IMPELLER	Brass, with peripheral radial vanes																
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104																
5 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Pump</th> <th>Seal</th> <th>Shaft</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td>Model</td> <td>Model</td> <td>Diameter</td> <td>Stationary ring Rotational ring Elastomer</td> </tr> <tr> <td>KF-1</td> <td>AR-12</td> <td>φ 12mm</td> <td>Ceramic Graphite NBR</td> </tr> <tr> <td>KF-2</td> <td>AR-14</td> <td>φ 14mm</td> <td>Silicon carbide Graphite NBR</td> </tr> </tbody> </table>	Pump	Seal	Shaft	Materials	Model	Model	Diameter	Stationary ring Rotational ring Elastomer	KF-1	AR-12	φ 12mm	Ceramic Graphite NBR	KF-2	AR-14	φ 14mm	Silicon carbide Graphite NBR
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8 ELECTRIC MOTOR	KF: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. KF: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.																

POS.COMPONENT	CONSTRUCTION CHARACTERISTICS																
1 PUMP BODY	Cast Iron(brass for PQ-Bs),complete with threaded ports in compliance with ISO228/1																
2 MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure																
3 IMPELLER	Brass, with peripheral radial vanes																
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104																
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8 ELECTRIC MOTOR	PQ: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. PQ: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.																



◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. Reliable, economical and simple to use, they are suitable for domestic applications and the automatic distribution of water from surge tanks, watering gardens and for boosting insufficient mains water pressure. These pumps should be installed in a covered area, protected against the weather.

PERFORMANCE RANGE

- ◆ Flow rate up to 36 L/min.(2.16m³/h)
- ◆ Head up to 36m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc,will be available upon request.

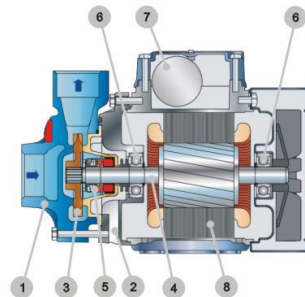
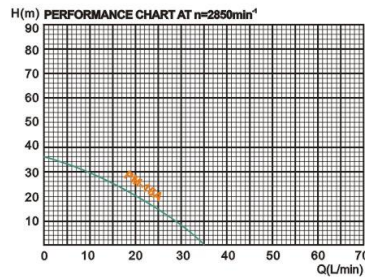
POS.COMPONENT	CONSTRUCTION CHARACTERISTICS
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1
2 MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure
3 IMPELLER	Brass, with peripheral radial vanes
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104
5 MECHANICAL SEAL	Pump Seal Shaft Materials
	Model Model Diameter Stationary ring Rotational ring Elastomer
6 BEARINGS	Pump Model
	PM-16A 6202 zz / 6202 zz
7 CAPACITOR	Pump Capacitance
	Single-phase (230V or 240V) (110V)
	PM-16A 10 µF 450VL 25 µF 250VL
8 ELECTRIC MOTOR	PM: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.
	PM: three-phase 230/400V - 50Hz
	Pumps fitted with the three-phase motor option offer IE2(IEC0034-30)class high performance -Insulation:F class. -Protection:IP X4.



PM-16A

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
PM-16A	0.37 0.5	36	36	1" x 1"	9	8.1	2452



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PERFORMANCE RANGE

- ◆ Flow rate up to 36 L/min.(2.16m³/h)
- ◆ Head up to 36m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

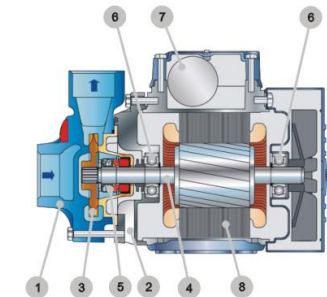
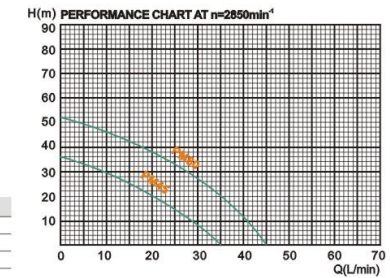
POS.COMPONENT	CONSTRUCTION CHARACTERISTICS
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1
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3 IMPELLER	Brass, with peripheral radial vanes
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104
5 MECHANICAL SEAL	Pump Seal Shaft Materials
	Model Model Diameter Stationary ring Rotational ring Elastomer
	PM 45 AR-12 φ 12mm Ceramic Graphite NBR
	PM 80 AR-14 φ 14mm Ceramic Graphite NBR
6 BEARINGS	Pump Model
	PM 45 6201 zz / 6201 zz
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7 CAPACITOR	Pump Capacitance
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	Pumps fitted with the three-phase motor option offer IE2(IEC0034-30)class high performance -Insulation:F class. -Protection:IP X4.



PM

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
PM45	0.37 0.5	36	36	1" x 1"	9	5.5	3330
PM80	0.55 0.75	36	36	1" x 1"	9	8.8	2200





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PERFORMANCE RANGE

- ◆ Flow rate up to 45 L/min.(2.7m³/h)
- ◆ Head up to 55m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

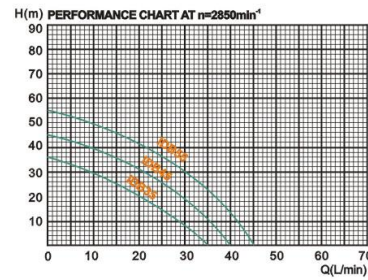
TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
IDB35	0.37 0.5	36	45	1" x 1"	9	5.5	3330
IDB45	0.55 0.75	45	40	1" x 1"	9	8.5	2200
IDB55	0.75 1	55	45	1" x 1"	9	9	2200

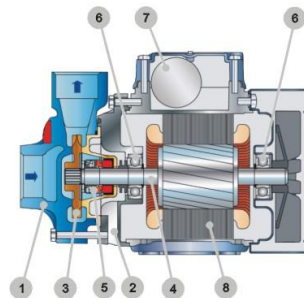
IDB

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS																						
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1																						
2 MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure																						
3 IMPELLER	Brass, with peripheral radial vanes																						
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104																						
5 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Pump</th> <th>Seal</th> <th>Shaft</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td>Model</td> <td>Model</td> <td>Diameter</td> <td>Stationary ring</td> <td>Rotational ring</td> <td>Elastomer</td> </tr> <tr> <td>IDB 35</td> <td>AR-12</td> <td>φ 12mm</td> <td>Ceramic</td> <td>Graphite</td> <td>NBR</td> </tr> <tr> <td>IDB 45-55</td> <td>AR-14</td> <td>φ 14mm</td> <td>Ceramic</td> <td>Ceramic</td> <td>NBR</td> </tr> </tbody> </table>	Pump	Seal	Shaft	Materials	Model	Model	Diameter	Stationary ring	Rotational ring	Elastomer	IDB 35	AR-12	φ 12mm	Ceramic	Graphite	NBR	IDB 45-55	AR-14	φ 14mm	Ceramic	Ceramic	NBR
Pump	Seal	Shaft	Materials																				
Model	Model	Diameter	Stationary ring	Rotational ring	Elastomer																		
IDB 35	AR-12	φ 12mm	Ceramic	Graphite	NBR																		
IDB 45-55	AR-14	φ 14mm	Ceramic	Ceramic	NBR																		
6 BEARINGS	<table border="1"> <thead> <tr> <th>Pump</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td>IDB 35</td> <td>6201 zz / 6201 zz</td> </tr> <tr> <td>IDB 45-55</td> <td>6202 zz / 6202 zz</td> </tr> </tbody> </table>	Pump	Model	IDB 35	6201 zz / 6201 zz	IDB 45-55	6202 zz / 6202 zz																
Pump	Model																						
IDB 35	6201 zz / 6201 zz																						
IDB 45-55	6202 zz / 6202 zz																						
7 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230V or 240V) (110V)</td> <td></td> </tr> <tr> <td>IDB 35</td> <td>10 μF 450VL 25 μF 250VL</td> </tr> <tr> <td>IDB 45</td> <td>16 μF 450VL 30 μF 300VL</td> </tr> <tr> <td>IDB 55</td> <td>30 μF 450VL 40 μF 300VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230V or 240V) (110V)		IDB 35	10 μF 450VL 25 μF 250VL	IDB 45	16 μF 450VL 30 μF 300VL	IDB 55	30 μF 450VL 40 μF 300VL												
Pump	Capacitance																						
Single-phase (230V or 240V) (110V)																							
IDB 35	10 μF 450VL 25 μF 250VL																						
IDB 45	16 μF 450VL 30 μF 300VL																						
IDB 55	30 μF 450VL 40 μF 300VL																						
8 ELECTRIC MOTOR	IDB: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. IDB: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.																						



◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. Reliable, economical and simple to use, they are suitable for domestic applications and the automatic distribution of water from surge tanks, watering gardens and for boosting insufficient mains water pressure. These pumps should be installed in a covered area, protected against the weather.



DB

PERFORMANCE RANGE

- ◆ FLOW rate up to 50 L/min.(3m³/h)
- ◆ Head up to 55m

OPERATING LIMITS

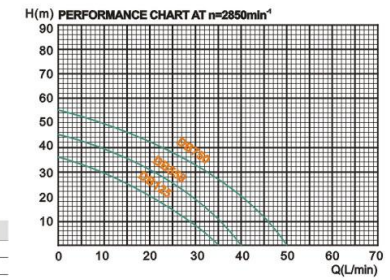
- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

TECHNICAL DATA

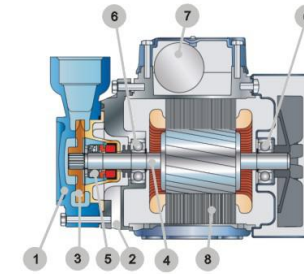
TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
DB125	0.37 0.5	36	36	1" x 1"	9	5.5	3330
DB550	0.55 0.75	45	40	1" x 1"	9	8.5	2200
DB750	0.75 1	55	50	1" x 1"	9	9.1	2200

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS																						
1 PUMP BODY	Cast Iron(brass for DB-Bs),complete with threaded ports in compliance with ISO228/1																						
2 MOTOR BRACKET	Aluminium with brass insert(patented),reduces the risk of impeller seizure																						
3 IMPELLER	Brass, with peripheral radial vanes																						
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104																						
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Pump	Seal	Shaft	Materials																				
Model	Model	Diameter	Stationary ring	Rotational ring	Elastomer																		
DB 125	AR-12	φ 12mm	Ceramic	Graphite	NBR																		
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7 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230V or 240V) (110V)</td> <td></td> </tr> <tr> <td>DB 125</td> <td>10 μF 450VL 25 μF 250VL</td> </tr> <tr> <td>DB 550</td> <td>16 μF 450VL 30 μF 300VL</td> </tr> <tr> <td>DB 750</td> <td>30 μF 450VL 40 μF 300VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230V or 240V) (110V)		DB 125	10 μF 450VL 25 μF 250VL	DB 550	16 μF 450VL 30 μF 300VL	DB 750	30 μF 450VL 40 μF 300VL												
Pump	Capacitance																						
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8 ELECTRIC MOTOR	DB: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. DB: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.																						





◆PS series self-priming water pumps are suitable for pumping clean water, thanks to the specific shape of the impeller, peripheral pumps can reach high pressures. They are particularly suitable for domestic applications such as supply water from well, pool etc. The automatic distribution of water from surge tanks, and increasing of water pressure.

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

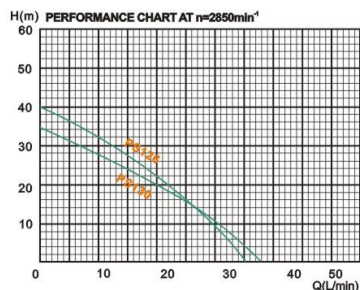
Single phase 220V/50Hz. Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

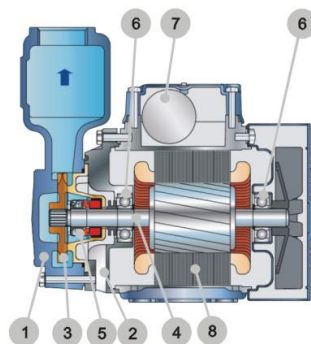
TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
PS126	0.37 0.5	40	35	1" x 1"	9	2200
PS130	0.37 0.5	35	38	1" x 1"	9	1600



PS



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1 and the suction port with built-in flap-check valve				
2 MOTOR BRACKET	Aluminium with brass insert(patented), reduces the risk of impeller seizure				
3 IMPELLER	Brass, with peripheral radial vanes				
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104				
5 MECHANICAL SEAL	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
6 BEARINGS	Pump	Model	AR-12	φ12mm	Ceramic Graphite NBR
	PS 126	6201 zz / 6201 zz			
7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)		
	PS 126	10 μF 450VL	20 μF 250VL		
8 ELECTRIC MOTOR	PS: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.				
	PS: three-phase 230/400V - 50Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance				
	-Insulation:F class. -Protection:IP X4.				



◆QS series self-priming water pumps are suitable for pumping clean water, thanks to the specific shape of the impeller, peripheral pumps can reach high pressures. They are particularly suitable for domestic applications such as supply water from well, pool etc. The automatic distribution of water from surge tanks, and increasing of water pressure.

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

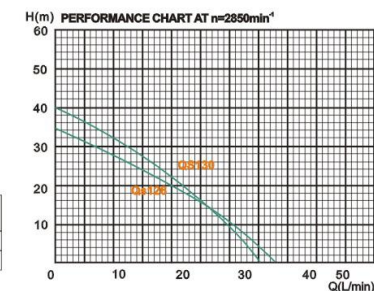
Single phase 220V/50Hz. Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

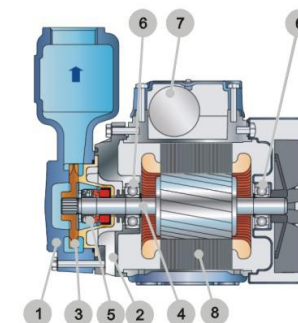
TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
QS126	0.37 0.5	40	35	1" x 1"	9	2100
QS130	0.37 0.5	35	38	1" x 1"	9	1500

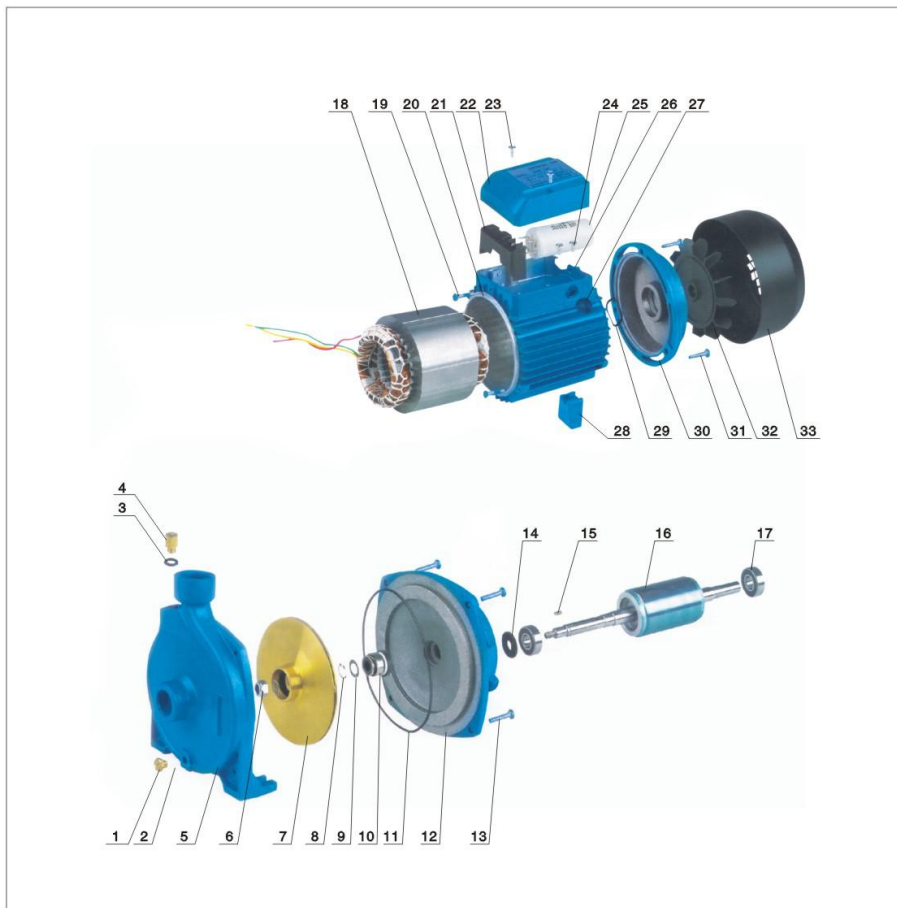


QS-126



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1 and the suction port with built-in flap-check valve				
2 MOTOR BRACKET	Aluminium with brass insert(patented), reduces the risk of impeller seizure				
3 IMPELLER	Brass, with peripheral radial vanes				
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104				
5 MECHANICAL SEAL	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
6 BEARINGS	Pump	Model	AR-12	φ12mm	Ceramic Graphite NBR
	QS 126	6201 zz / 6201 zz			
7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)		
	QS126	10 μF 450VL	25 μF 250VL		
8 ELECTRIC MOTOR	QS: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.				
	QS: three-phase 230/400V - 50Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance				
	-Insulation:F class. -Protection:IP X4.				





No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
1	Drain Plug	12	Motor Front Bracket	23	Screw For Terminal Box Fixing
2	*O*Ring For Drain Plug	13	Motor Bracket-pump Body Screw	24	Screw For Cable Presser
3	*O*ring For Filling Plug	14	Splash Guard	25	Capacitor
4	Filling Plug	15	Key	26	Cable Presser
5	Pump Body	16	Shaft And Rotor	27	Water Proof Fairlead
6	Nut For Impeller/Impeler Stop Nut	17	Ball Bearing	28	Foot
7	Impeller	18	Stator	29	Adjusting Ring
8	Circlip	19	Motor Bracket-motor Case Screw	30	Motor End Cover
9	Plain Washer	20	Motor Case	31	Motor Cover-motor Case Screw
10	Mechanical Seal	21	Terminal Board	32	Fan
11	*O*Ring For Pump Body	22	Terminal Cover	33	Fan Cover

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 140 L/min.(8.4m³/h)
- ◆ Head up to 45m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

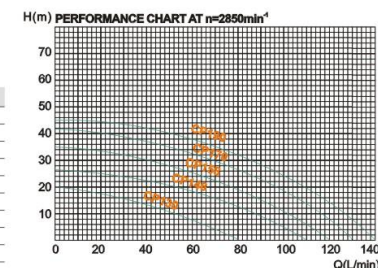
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



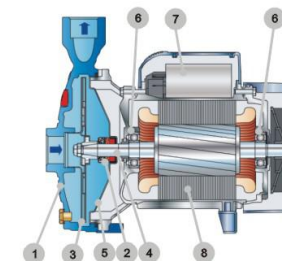
CP

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
CP130	0.35 0.5	20	80	1" x 1"	9	8	2200
CP146	0.55 0.75	27	110	1" x 1"	9	12	1600
CP158	0.75 1	35	120	1" x 1"	9	13	1540
CP170	1.1 1.5	42	130	1.25" x 1"	9	20	1200
CP190	1.5 2	45	140	1.25" x 1"	9	21	1200



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 MOTOR BRACKET	Stainless steel AISI 304(cast iron for CP 170-170M-190-200)					
3 IMPELLER	Stainless steel AISI 304					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer	
	CP 130	AR-12	φ 12mm	Ceramic	Graphite	NBR
	CP 146-158	AR-14	φ 14mm	Ceramic	Graphite	NBR
CP 170-190	AR-18	φ 18mm	Ceramic	Graphite	NBR	
6 BEARINGS	Pump	Model				
	CP 130	6201 zz / 6201 zz				
	CP 146-158	6202 zz / 6202 zz				
	CP 170	6203 zz / 6203 zz				
CP 190	6203 zz / 6203 zz					
7 CAPACITOR	Pump	Capacitance				
	Single-phase	(230V or 240V)	(110V)			
	CP 130	10 μF 450VL	25 μF 250VL			
	CP 146-158	20 μF 450VL	40 μF 300VL			
CP 170	25 μF 450VL	60 μF 250VL				
CP 190	45 μF 450VL	80 μF 250VL				
8 ELECTRIC MOTOR	CPm:	single-phase 230V - 50Hz with thermal overload protector built-in to the winding.				
	CP:	three-phase 230/400V - 50Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance					
	-Insulation:F class.					
-Protection:IP X4.						





◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 140 L/min.(8.4m³/h)
- ◆ Head up to 45m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

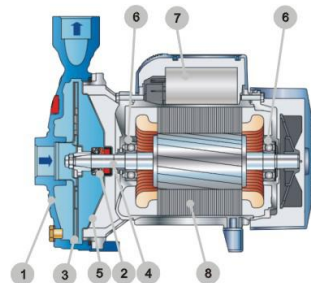
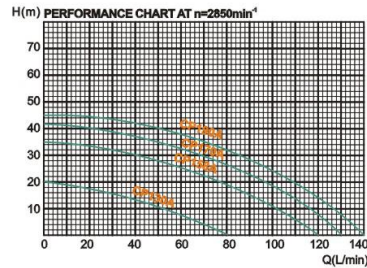
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



CP-A

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
CP130A	0.37 0.5	20	80	1" x 1"	9	7.5	2300
CP158A	0.75 1	35	120	1" x 1"	9	12.5	1600
CP170A	1.1 1.5	42	130	1.25" x 1"	9	19.5	1300
CP190A	1.5 2	45	140	1.25" x 1"	9	20.5	1300



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 MOTOR BRACKET	Stainless steel AISI 304(cast iron for CP 170-170M-190-200)					
3 IMPELLER	Stainless steel AISI 304					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer	
	CP 130	AR-12	φ 12mm	Ceramic	Graphite	NBR
	CP 158	AR-14	φ 14mm	Ceramic	Graphite	NBR
	CP 170-190	AR-18	φ 18mm	Ceramic	Graphite	NBR
6 BEARINGS	Pump	Model				
	CP 130	6201 zz / 6201 zz				
	CP 158	6202 zz / 6202 zz				
	CP 170	6203 zz / 6203 zz				
	CP 190	6203 zz / 6203 zz				
	7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)			
	CP 130	10 μF 450VL	25 μF 250VL			
	CP 158	20 μF 450VL	40 μF 300VL			
	CP 170	25 μF 450VL	60 μF 250VL			
	CP 190	45 μF 450VL	80 μF 250VL			
8 ELECTRIC MOTOR	CPm: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.					
	CP: three-phase 230/400V - 50Hz					
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance					
	-Insulation:F class.					
	-Protection:IP X4.					

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 120 L/min.(7.2m³/h)
- ◆ Head up to 35m

OPERATING LIMITS

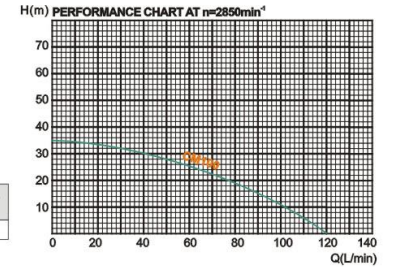
- ◆ Suction lift up to 8m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C



CM

STANDARD DATA AND EQUIPMENT

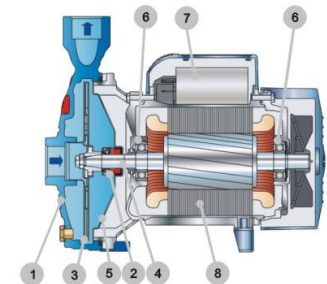
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
CM100	0.75 1	35	120	1" x 1"	8	13	1540

POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 MOTOR BRACKET	Stainless steel AISI 304					
3 IMPELLER	Stainless steel AISI 304					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer	
	CM 100	AR-14	φ 14mm	Ceramic	Graphite	NBR
	6 BEARINGS	Pump	Model			
	CM 100	6202 zz / 6202 zz				
7 CAPACITOR	Pump	Capacitance				
	Single-phase	(230V or 240V)	(110V)			
	CM 100	20 μF 450VL	40 μF 300VL			
8 ELECTRIC MOTOR	CM: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.					
	CM: three-phase 230/400V - 50Hz					
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance					
	-Insulation:F class.					
	-Protection:IP X4.					





◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 120 L/min.(7.2m³/h)
- ◆ Head up to 35m

OPERATING LIMITS

- ◆ Suction lift up to 8m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

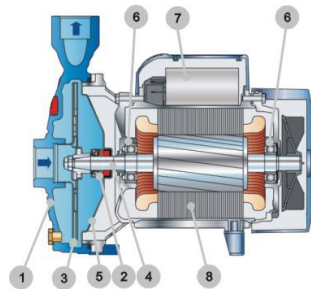
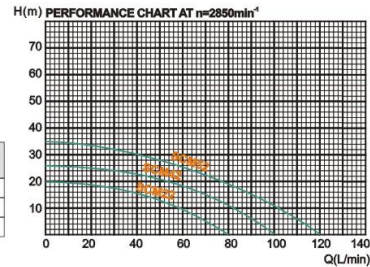
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
SCM22	0.37 0.5	20	80	1" x 1"	8	8.8	2200
SCM42	0.55 0.75	26	100	1" x 1"	8	11	1540
SCM52	0.75 1	35	120	1" x 1"	8	13	1540



SCM



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS																
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1																
2 MOTOR BRACKET	Stainless steel AISI 304																
3 IMPELLER	Stainless steel AISI 304																
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104																
5 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Pump</th> <th>Seal</th> <th>Shaft</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td>Model</td> <td>Model</td> <td>Diameter</td> <td>Stationary ring Rotational ring Elastomer</td> </tr> <tr> <td>SCM 22</td> <td>AR-12</td> <td>φ 12mm</td> <td>Ceramic Graphite NBR</td> </tr> <tr> <td>SCM 42-52</td> <td>AR-14</td> <td>φ 14mm</td> <td>Ceramic Graphite NBR</td> </tr> </tbody> </table>	Pump	Seal	Shaft	Materials	Model	Model	Diameter	Stationary ring Rotational ring Elastomer	SCM 22	AR-12	φ 12mm	Ceramic Graphite NBR	SCM 42-52	AR-14	φ 14mm	Ceramic Graphite NBR
Pump	Seal	Shaft	Materials														
Model	Model	Diameter	Stationary ring Rotational ring Elastomer														
SCM 22	AR-12	φ 12mm	Ceramic Graphite NBR														
SCM 42-52	AR-14	φ 14mm	Ceramic Graphite NBR														
6 BEARINGS	<table border="1"> <thead> <tr> <th>Pump</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td>SCM 22</td> <td>6201 zz / 6201 zz</td> </tr> <tr> <td>SCM 42-52</td> <td>6202 zz / 6202 zz</td> </tr> </tbody> </table>	Pump	Model	SCM 22	6201 zz / 6201 zz	SCM 42-52	6202 zz / 6202 zz										
Pump	Model																
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SCM 42-52	6202 zz / 6202 zz																
7 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230V or 240V)</td> <td>(110V)</td> </tr> <tr> <td>SCM 22</td> <td>10 μF 450VL 25 μF 250VL</td> </tr> <tr> <td>SCM 42</td> <td>16 μF 450VL 30 μF 250 VL</td> </tr> <tr> <td>SCM 52</td> <td>20 μF 450VL 40 μF 300VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230V or 240V)	(110V)	SCM 22	10 μF 450VL 25 μF 250VL	SCM 42	16 μF 450VL 30 μF 250 VL	SCM 52	20 μF 450VL 40 μF 300VL						
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SCM 22	10 μF 450VL 25 μF 250VL																
SCM 42	16 μF 450VL 30 μF 250 VL																
SCM 52	20 μF 450VL 40 μF 300VL																
8 ELECTRIC MOTOR	SCM: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. SCM: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.																

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 200 L/min.(12m³/h)
- ◆ Head up to 80m

OPERATING LIMITS

- ◆ Suction lift up to 8m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

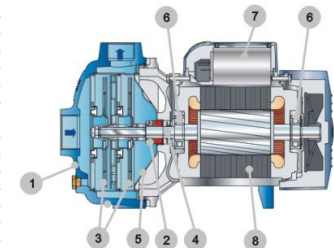
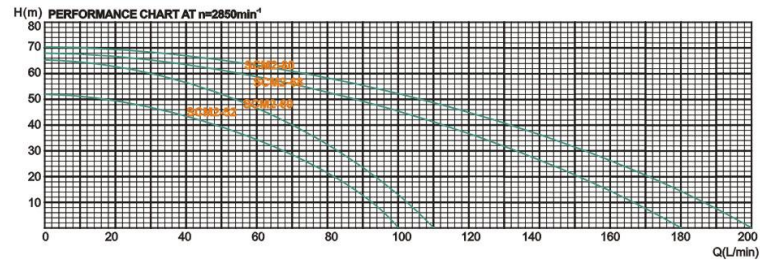
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



SCM2

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
SCM2-52	1.1 1.5	54	100	1.25" x 1"	8	1200
SCM2-60	1.5 2	66	110	1.25" x 1"	8	1200
SCM2-68	2.2 3	68	180	1.5" x 1"	8	900
SCM2-80	3 4	70	200	1.5" x 1.25"	8	900



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS									
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1									
2 MOTOR BRACKET	Stainless steel AISI 304									
3 IMPELLER	Stainless steel AISI 304									
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104									
5 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Pump</th> <th>Shaft</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td>Model</td> <td>Diameter</td> <td>Stationary ring Rotational ring Elastomer</td> </tr> <tr> <td>AR-14</td> <td>φ 14mm</td> <td>Ceramic Graphite NBR</td> </tr> </tbody> </table>	Pump	Shaft	Materials	Model	Diameter	Stationary ring Rotational ring Elastomer	AR-14	φ 14mm	Ceramic Graphite NBR
Pump	Shaft	Materials								
Model	Diameter	Stationary ring Rotational ring Elastomer								
AR-14	φ 14mm	Ceramic Graphite NBR								
6 BEARINGS	6203 zz / 6203 zz									
7 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230V or 240V)</td> <td>(110V)</td> </tr> <tr> <td>SCM2-52</td> <td>35 μF 450VL 60 μF 300VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230V or 240V)	(110V)	SCM2-52	35 μF 450VL 60 μF 300VL			
Pump	Capacitance									
Single-phase (230V or 240V)	(110V)									
SCM2-52	35 μF 450VL 60 μF 300VL									
8 ELECTRIC MOTOR	SCM2M: 25/130N: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. SCM 25/130N: three-phase 230/400V - 50Hz PumMpe fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.									



◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 250 L/min.(15m³/h)
- ◆ Head up to 20m

OPERATING LIMITS

- ◆ Suction lift up to 8m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

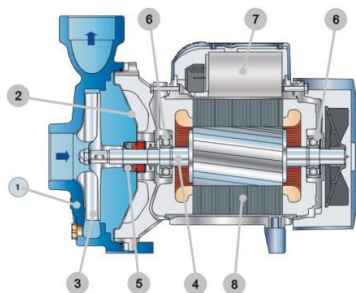
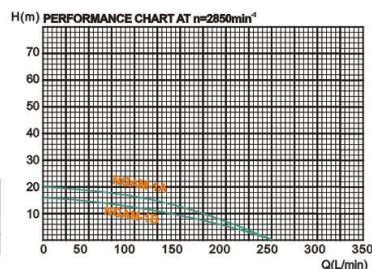
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
NGAM-1B	0.6 0.8	16	250	1.5" x 1.5"	8	1800
NGAM-1A	0.75 1	20	250	1.5" x 1.5"	8	1800



NGAM



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1				
2 MOTOR BRACKET	Stainless steel AISI 304				
3 IMPELLER	Open impeller in stainless steel 316				
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104				
5 MECHANICAL SEAL	Pump	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
6 BEARINGS	6202 zz / 6202zz				
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)		
	NGAM 1B	16 µF 450VL	30 µF 300VL		
	NGAM 1A	30 µF 450VL	40 µF 300VL		
8 ELECTRIC MOTOR	NGAm: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.				
	NGA: three-phase 230/400V - 50Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance				
	-Insulation:F class.				
-Protection:IP X4.					

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 480 L/min.(28.8m³/h)
- ◆ Head up to 20m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C



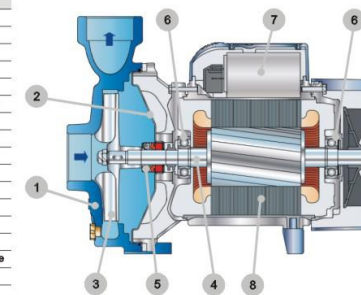
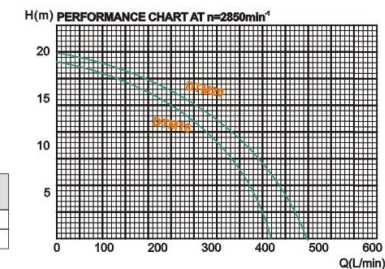
DTM

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
DTM18	1.1 1.5	18	420	2" x 2"	9	1200
DTM20	1.5 2	20	480	2" x 2"	9	1200



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1				
2 MOTOR BRACKET	Stainless steel AISI 304				
3 IMPELLER	Open impeller in stainless steel 316				
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104				
5 MECHANICAL SEAL	Pump	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
6 BEARINGS	6203 zz / 6203zz				
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)		
	DTM 18	30 µF 450VL	60 µF 300VL		
	DTM 20	35 µF 450VL	70 µF 300VL		
8 ELECTRIC MOTOR	DTM: single-phase 230V - 50Hz with thermal overload protector built-in to the winding.				
	DTM: three-phase 230/400V - 50Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC80034-30)class high performance				
	-Insulation:F class.				
-Protection:IP X4.					



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PERFORMANCE RANGE

- ◆ Flow rate up to 600 L/min.(36m³/h)
- ◆ Head up to 23m

OPERATING LIMITS

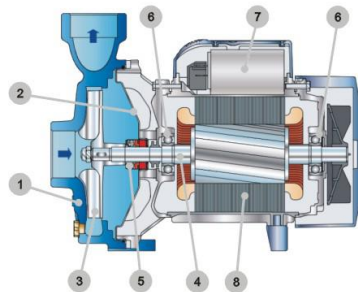
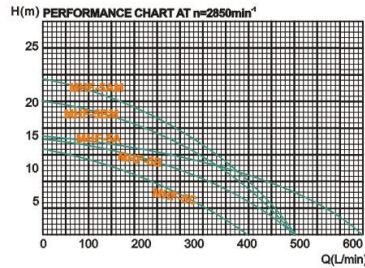
- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
MHF-5C	0.6 0.8	12.5	400	2" × 2"	9	1600
MHF-5B	0.75 1	14	500	2" × 2"	9	1600
MHF-5A	1.1 1.5	14.5	600	2" × 2"	9	1600
MHF-5BM	1.1 1.5	20	500	2" × 2"	9	1200
MHF-5AM	1.5 2	22.5	500	2" × 2"	9	1200



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1				
2 MOTOR BRACKET	Stainless steel AISI 304				
3 IMPELLER	Stainless steel AISI 304				
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104				
5 MECHANICAL SEAL	Pump	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
	AR-14	φ 14mm	Ceramic	Graphite	NBR
6 BEARINGS	6202 zz / 6202 zz				
7 CAPACITOR	Pump	Capacitance			
	Single-phase	(230V or 240V)	(110V)		
	MHF-5B	20 μF 450VL	30 μF 300VL		
8 ELECTRIC MOTOR	MHF: single-phase 230V - 50Hz with thermal overload protector built-in to the winding. MHF: three-phase 230/400V - 50Hz Pumps fitted with the three-phase motor option offer IE2(IEC60034-30)class high performance -Insulation:F class. -Protection:IP X4.				

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PERFORMANCE RANGE

- ◆ Flow rate up to 1300 L/min.(78m³/h)
- ◆ Head up to 22m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

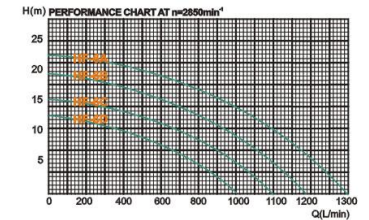
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



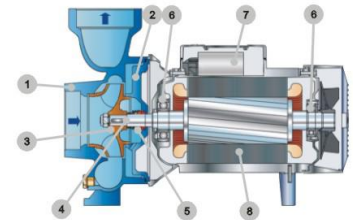
HF-6

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
HF-6D	1.1 1.5	12	1000	3" × 3"	9	850
HF-6C	1.5 2	15	1100	3" × 3"	9	850
HF-6B	2.2 3	18.5	1200	3" × 3"	9	750
HF-6A	3 4	22	1300	3" × 3"	9	750



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 BODY BACKPLATE	Cast iron(stainless steel AISI 304 for HF 4)					
3 IMPELLER	Brass for HF 6D,6C, 6B Cast iron for HF 6A					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Model	Diameter	Stationary ring	Rotational ring	Elastomer
	HF 6D-C	AR-18	φ 18mm	Graphite	Ceramic	NBR
	HF 6B	AR-20	φ 20mm	Graphite	Ceramic	NBR
	HF 6A	AR-24	φ 24mm	Graphite	Ceramic	NBR
6 BEARINGS	Pump Model					
	HF 6D-C	6303 ZZ/6203 ZZ				
	HF 6B	6204 ZZ/6204 ZZ				
	HF 6A	6306 ZZ/6206 ZZ				
7 CAPACITOR	Pump	Capacitance				
	Single-phase	(230 V or 240 V)		(110V)		
	HF 6D	31.5 μF 450 VL	60 μF 250 VL			
	HF 6B	45 μF 450 VL	80 μF 250 VL			
8 ELECTRIC MOTOR	HF: single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. HF: three-phase 230/400 V-50 Hz up to 4 KW,400/690 V-50 Hz from 5.5 to 7.5 KW Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation: F class. -Protection: IP X4.					





◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 1300 L/min.(78m³/h)
- ◆ Head up to 22m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

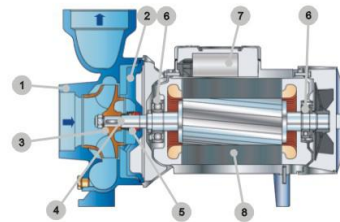
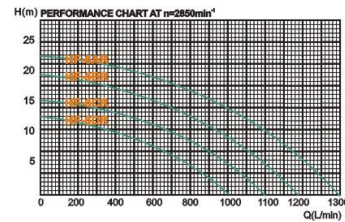
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



HF-6R

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
HF-6DR	1.1 1.5	12	1000	4" × 4"	9	820
HF-6CR	1.5 2	15	1100	4" × 4"	9	820
HF-6BR	2.2 3	18.5	1200	4" × 4"	9	720
HF-6AR	3 4	22	1300	4" × 4"	9	720



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS	
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1	
2 BODY BACKPLATE	Cast iron(stainless steel AISI 304 for HF)	
3 IMPELLER	Brass for HF6DR,6CR,6BR, 6AR Cast iron for HF 30	
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104	
5 MECHANICAL SEAL	Pump	Seal Shaft Materials
	Model	Model Diameter Stationary ring Rotational ring Elastomer
	HF 6DR-CR AR-18	φ 18mm Graphite Ceramic NBR
	HF 6BR AR-20	φ 20mm Graphite Ceramic NBR
	HF 6AR AR-24	φ 24mm Graphite Ceramic NBR
6 BEARINGS	Pump	Model
	HF 6DR-CR	6203 ZZ/6203 ZZ
	HF 6BR	6304 ZZ/6204 ZZ
	HF 6AR	6306 ZZ/6206 ZZ
7 CAPACITOR	Pump	Capacitance
	Single-phase (230 V or 240 V)	(110V)
	HF 6DR	31.5 μF 450 VL 80 μF 250 VL
	HF 6BR	45 μF 450 VL 80 μF 250 VL
8 ELECTRIC MOTOR	HF: single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. HF: three-phase 230/400 V-50 Hz up to 4 KW,400/690 V-50 Hz from 5.5 to 7.5 KW Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation: Fclass. -Protection: IP X4.	

◆ These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆ Flow rate up to 500 L/min.(30m³/h)
- ◆ Head up to 22.5m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

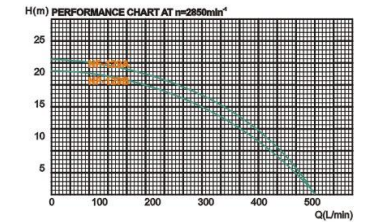
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



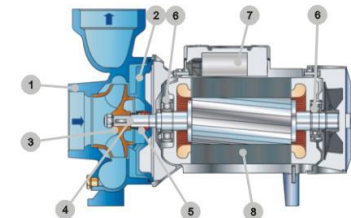
NF-129

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
NF-129B	1.1 1.5	20	500	2" × 2"	9	1200
NF-129A	1.5 2	22.5	500	2" × 2"	9	1200



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS	
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1	
2 BODY BACKPLATE	Cast iron	
3 IMPELLER	Brass for NF 129B Cast iron for NF 129A	
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104	
5 MECHANICAL SEAL	Pump	Seal Shaft Materials
	Model	Model Diameter Stationary ring Rotational ring Elastomer
	NF 129A-129B AR-18	φ 18mm Graphite Ceramic NBR
6 BEARINGS	Pump	Model
	NF 129A-129B	6303 ZZ/6203 ZZ
7 CAPACITOR	Pump	Capacitance
	Single-phase (230 V or 240 V)	(110V)
	NF 129B	31.5 μF 450 VL 80 μF 250 VL
	NF 129A	45 μF 450 VL 80 μF 250 VL
8 ELECTRIC MOTOR	NF: single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. NF: three-phase 230/400 V-50 Hz up to 4 KW,400/690 V-50 Hz from 5.5 to 7.5 KW Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation: Fclass. -Protection: IP X4.	





◆PX series are single stage centrifugal pumps, it is suitable for agriculture and industrial applications to convey clean liquids and non-aggressive chemical fluids .It's hydraulic characteristic is lower head but bigger capacity

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

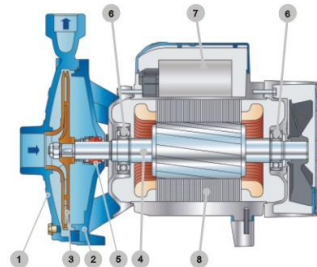
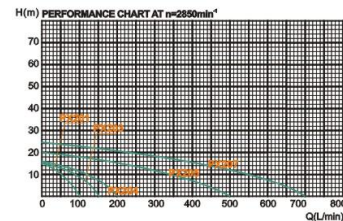


PX

TECHNICAL DATA

PUMP MODEL		POWER KW / HP	H MAX m	Q MAX L/min	SIZE Inch	PACKING QTY
Single phase	Three phase					
PX 201	px201	0.37 0.5	15	100	1" x 1"	2000
PX 203	px203	0.55 0.75	15	150	1.5" x 1.5"	2000
PX 204	px204	0.75 1	16	200	1.5" x 1.5"	1800
PX 205	px205	1.5 2	20	500	2" x 2"	1800
PX 207	px207	2.2 3	24	700	3" x 3"	1500

POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 BODY BACKPLATE	Stainless steel AISI 304					
3 IMPELLER	Stainless steel AISI 304					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer	
PX 201	AR-12	φ 12mm	Ceramic	Graphite	NBR	
PX 203-204	AR-14	φ 14mm	Ceramic	Graphite	NBR	
PX 205	AR-18	φ 18mm	Graphite	Ceramic	NBR	
6 BEARINGS	Pump	Model				
PX 201	6201 ZZ/6201 ZZ					
PX 203-204	6203 ZZ/6203 ZZ					
PX 205	6204 ZZ/6204 ZZ					
PX 207	6304 ZZ/6204 ZZ					
7 CAPACITOR	Pump	Capacitance				
	Single-phase	(230 V or 240 V)	(110V)			
PX 201	10 μF 450 VL	25 μF 250 VL				
PX 203	14 μF 450 VL	30 μF 250 VL				
PX 204	20 μF 450 VL	40 μF 300 VL				
PX 205	25 μF 450 VL	50 μF 250 VL				
PX 207	45 μF 450 VL	80 μF 250 VL				
8 ELECTRIC MOTOR	PX:single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. PX: three-phase 230/400 V-50 Hz Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation:F class. -Protection:IP X4					



◆These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-sized surge tanks, transferring water, watering gardens, etc.

PERFORMANCE RANGE

- ◆Flow rate up to 600 L/min.(36m³/h)
- ◆Head up to 22.5m

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

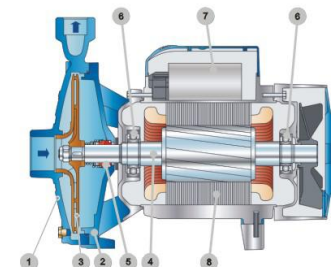
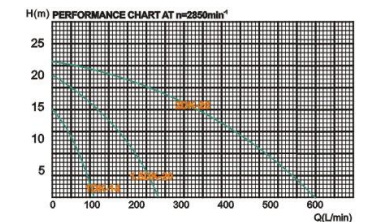


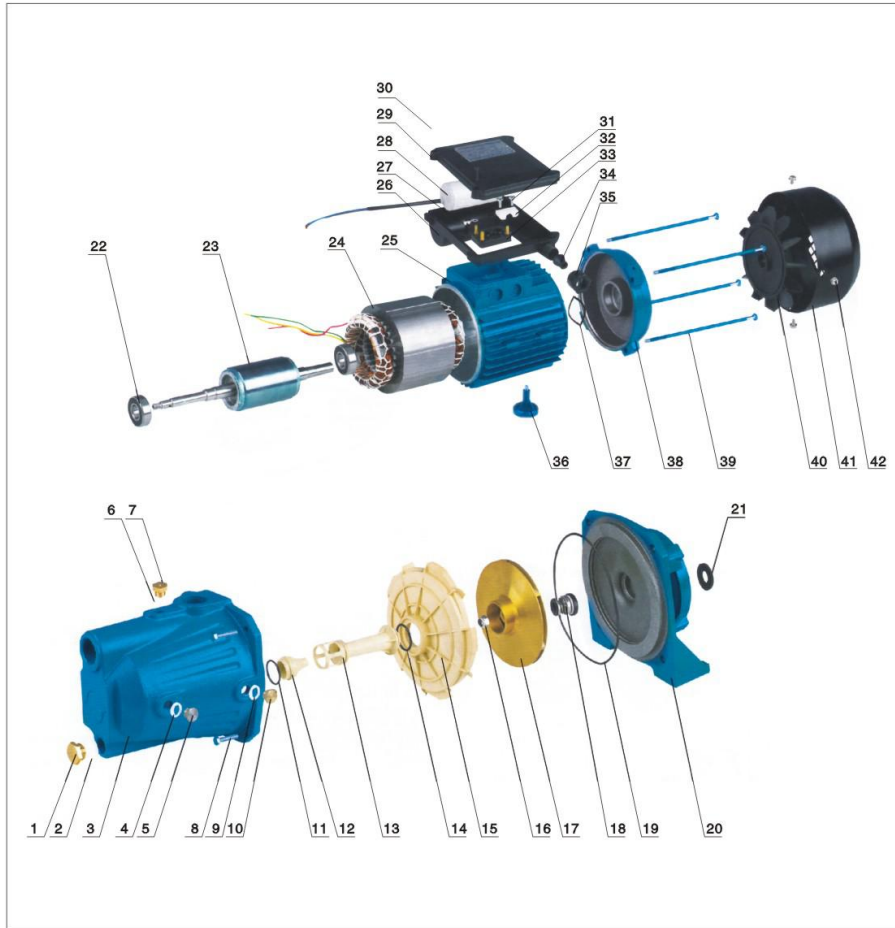
DK

TECHNICAL DATA

TYPE	POWER KW / HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
1DK-14	0.37 0.5	14	100	1" x 1"	9	2600
1.5DK-20	0.75 1	20	250	1.5" x 1.5"	9	2000
2DK-20	1.1 1.5	22.5	600	2" x 2"	9	1240

POS.COMPONENT	CONSTRUCTION CHARACTERISTICS					
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1					
2 BODY BACKPLATE	Stainless steel AISI 304					
3 IMPELLER	Stainless steel AISI 304					
4 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104					
5 MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer	
1DK-14	AR-12	φ 12mm	Ceramic	Graphite	NBR	
1.5DK-20	AR-14	φ 14mm	Ceramic	Graphite	NBR	
2DK-20	AR-18	φ 18mm	Graphite	Ceramic	NBR	
6 BEARINGS	Pump	Model				
	1DK-14	6201 ZZ/6201 ZZ				
	1.5DK-20	6202 ZZ/6203 ZZ				
	2DK-20	6303 ZZ/6203 ZZ				
7 CAPACITOR	Pump	Capacitance				
	Single-phase	(230 V or 240 V)	(110V)			
	1DK-14	10 μF 450 VL	25 μF 250 VL			
	1.5DK-20	20 μF 450 VL	40 μF 300 VL			
	2DK-20	45 μF 450 VL	80 μF 250 VL			
8 ELECTRIC MOTOR	DK:single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. DK: three-phase 230/400 V-50 Hz Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation:F class. -Protection:IP X4					





No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
1	Drain Plug	12	Nozzle	23	Shaft And Rotor	34	Outlet Hole
2	*O*ring For Drain Plug	13	Venturi Tube	24	Stator	35	Waterproof Fairlead
3	Pump Body	14	*O*ring For Diffuser	25	Motor Case	36	Foot
4	*O*ring For Gauge Plug	15	Diffuser	26	Capacitor Holding Box	37	Adjustingring
5	Gauge Plug	16	Impeller Nut	27	Washer For Terminal Board	38	Motor End Cover
6	*O*ring For Filling Plug	17	Impeller	28	Capacitor	39	Motor Tie-rod
7	Filling Plug	18	Mechanical Seal	29	Terminal Cover	40	Fan
8	Screw For Pump Body	19	*O*ring For Pump Body	30	Screw For Terminal Box Fixing	41	Fan Cover
9	*O*ring For Switch Plug	20	Motor Front Bracket	31	Screw For Cable Presser	42	Screw For Fan Cover
10	Switch Plug	21	Splash Guard	32	Cable Presser		
11	*O*ring For Nozzle	22	Pump Side Ball Bearing	33	Terminal Board		

QUALITY EXCELLENCE
THE INTEGRITY OF A SUCCESSFUL CAREER

◆These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, economical and simple to use ,being particularly suitable for domestic applications such as the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. It is always advisable to install a foot valve or non-return valve on the suction opening.

PERFORMANCE RANGE

- ◆Flow rate up to 60 L/min.(3.6m³/h)
- ◆Head up to 48m

OPERATING LIMITS

- ◆Suction lift up to 9m
- ◆Fluid temperature up to 60°C
- ◆Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

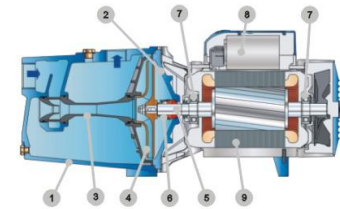
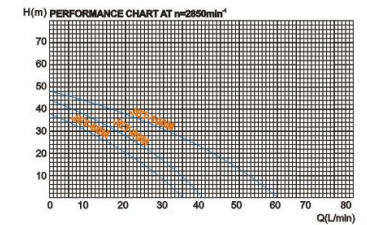
POS.COMPONENT	CONSTRUCTION CHARACTERISTICS		
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1		
2 BODY BACKPLATE	Fast Iron		
3 NOZZLE ASSEMBLY	Noryl GF2V		
4 IMPELLER	Brass		
5 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104		
6 MECHANICAL SEAL	Seal	Shaft	Materials
	Model	Diameter	Stationary ring Rotational ring Elastomer
	AR-18	φ18mm	Graphite Ceramic NBR
7 BEARINGS	6203 ZZ/6203 ZZ		
8 CAPACITOR	Pump	Capacitance	
	Single-phase	(230 V or 240 V)	(110V)
	JET-80M	16 μF 450 VL	30 μF 250 VL
	JET-100M	20 μF 450 VL	40 μF 250 VL
9 ELECTRIC MOTOR	JETM:single-phase 230 V-50 Hz with thermal overload protector built-in to the winding.		
	JET: three-phase 230/400 V-50 Hz		
	Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance		
	-Insulation: F class.		
	-Protection: IP X4.		



JETM

TECHNICAL DATA

TYPE	POWER KW	HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
JET-60M	0.37	0.5	38	35	1" × 1"	9	1650
JET-80M	0.55	0.75	44	40	1" × 1"	9	1450
JET-100M	0.75	1	48	60	1" × 1"	9	1450





◆ These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, economical and simple to use, being particularly suitable for domestic applications such as the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. it is always advisable to install a foot valve or non-return valve on the suction opening.

PERFORMANCE RANGE

- ◆ Flow rate up to 60 L/min.(3.6m³/h)
- ◆ Head up to 48m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

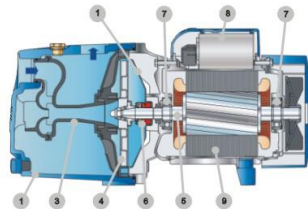
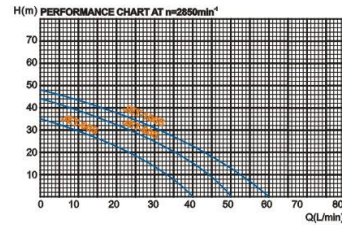
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



JETS

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
JET-60S	0.37 0.5	35	40	1" x 1"	9	1650
JET-80S	0.55 0.75	44	50	1" x 1"	9	1480
JET-100S	0.75 1	48	60	1" x 1"	9	1480



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS															
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1															
2 BODY BACKPLATE	Stainless steel AISI 304															
3 NOZZLE ASSEMBLY	Noryl FE1520PW															
4 IMPELLER	Stainless steel AISI 304															
5 MOTOR SHAFT	Stainless steel AISI 304 EN 10088-3-1.4104															
6 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Seal</th> <th>Shaft</th> <th colspan="3">Materials</th> </tr> <tr> <th>Model</th> <th>Diameter</th> <th>Stationary ring</th> <th>Rotational ring</th> <th>Elastomer</th> </tr> </thead> <tbody> <tr> <td>AR-14</td> <td>φ 14mm</td> <td>Ceramic</td> <td>Graphite</td> <td>NBR</td> </tr> </tbody> </table>	Seal	Shaft	Materials			Model	Diameter	Stationary ring	Rotational ring	Elastomer	AR-14	φ 14mm	Ceramic	Graphite	NBR
Seal	Shaft	Materials														
Model	Diameter	Stationary ring	Rotational ring	Elastomer												
AR-14	φ 14mm	Ceramic	Graphite	NBR												
7 BEARINGS	6203 ZZ/6203 ZZ															
8 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230 V or 240 V)</td> <td>(110V)</td> </tr> <tr> <td>JET 60S</td> <td>12 μF 450 VL 25 μF 300 VL</td> </tr> <tr> <td>JET 80S</td> <td>16 μF 450 VL 30 μF 300 VL</td> </tr> <tr> <td>JET 100S</td> <td>20 μF 450 VL 40 μF 300 VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230 V or 240 V)	(110V)	JET 60S	12 μF 450 VL 25 μF 300 VL	JET 80S	16 μF 450 VL 30 μF 300 VL	JET 100S	20 μF 450 VL 40 μF 300 VL					
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JET 60S	12 μF 450 VL 25 μF 300 VL															
JET 80S	16 μF 450 VL 30 μF 300 VL															
JET 100S	20 μF 450 VL 40 μF 300 VL															
9 ELECTRIC MOTOR	<p>JETS: single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. JETS: three-phase 230/400 V-50 Hz Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance Stator and rotor are made out of magnetic sheet with low iron loss. -Insulation: F class. -Protection: IP X4.</p>															

◆ These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, economical and simple to use, being particularly suitable for domestic applications such as the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. it is always advisable to install a foot valve or non-return valve on the suction opening.

PERFORMANCE RANGE

- ◆ Flow rate up to 60 L/min.(3.6m³/h)
- ◆ Head up to 48m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

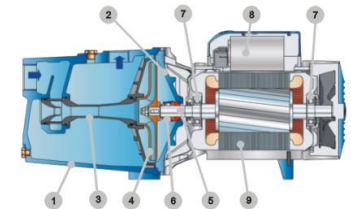
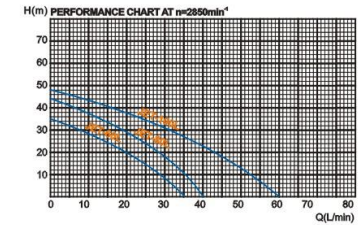
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.



JETL

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
JET-60L	0.37 0.5	35	35	1" x 1"	9	1650
JET-80L	0.55 0.75	42	40	1" x 1"	9	1480
JET-100L	0.75 1	48	60	1" x 1"	9	1480



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS															
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1															
2 BODY BACKPLATE	Fast Iron															
3 NOZZLE ASSEMBLY	Noryl GFN2V															
4 IMPELLER	Brass															
5 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104															
6 MECHANICAL SEAL	<table border="1"> <thead> <tr> <th>Seal</th> <th>Shaft</th> <th colspan="3">Materials</th> </tr> <tr> <th>Model</th> <th>Diameter</th> <th>Stationary ring</th> <th>Rotational ring</th> <th>Elastomer</th> </tr> </thead> <tbody> <tr> <td>AR-18</td> <td>φ 18mm</td> <td>Graphite</td> <td>Ceramic</td> <td>NBR</td> </tr> </tbody> </table>	Seal	Shaft	Materials			Model	Diameter	Stationary ring	Rotational ring	Elastomer	AR-18	φ 18mm	Graphite	Ceramic	NBR
Seal	Shaft	Materials														
Model	Diameter	Stationary ring	Rotational ring	Elastomer												
AR-18	φ 18mm	Graphite	Ceramic	NBR												
7 BEARINGS	6203 ZZ/6203 ZZ															
8 CAPACITOR	<table border="1"> <thead> <tr> <th>Pump</th> <th>Capacitance</th> </tr> </thead> <tbody> <tr> <td>Single-phase (230 V or 240 V)</td> <td>(110V)</td> </tr> <tr> <td>JET-80L</td> <td>16 μF 450 VL 30 μF 250 VL</td> </tr> <tr> <td>JET-100L</td> <td>20 μF 450 VL 40 μF 250 VL</td> </tr> </tbody> </table>	Pump	Capacitance	Single-phase (230 V or 240 V)	(110V)	JET-80L	16 μF 450 VL 30 μF 250 VL	JET-100L	20 μF 450 VL 40 μF 250 VL							
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9 ELECTRIC MOTOR	<p>JETL: single-phase 230 V-50 Hz with thermal overload protector built-in to the winding. JET: three-phase 230/400 V-50 Hz Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance -Insulation: F class. -Protection: IP X4.</p>															

◆ These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, economical and simple to use, being particularly suitable for domestic applications such as the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. it is always advisable to install a foot valve or non-return valve on the suction opening.



JETP

PERFORMANCE RANGE

- ◆ Flow rate up to 60 L/min. (3.6m³/h)
- ◆ Head up to 48m

OPERATING LIMITS

- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

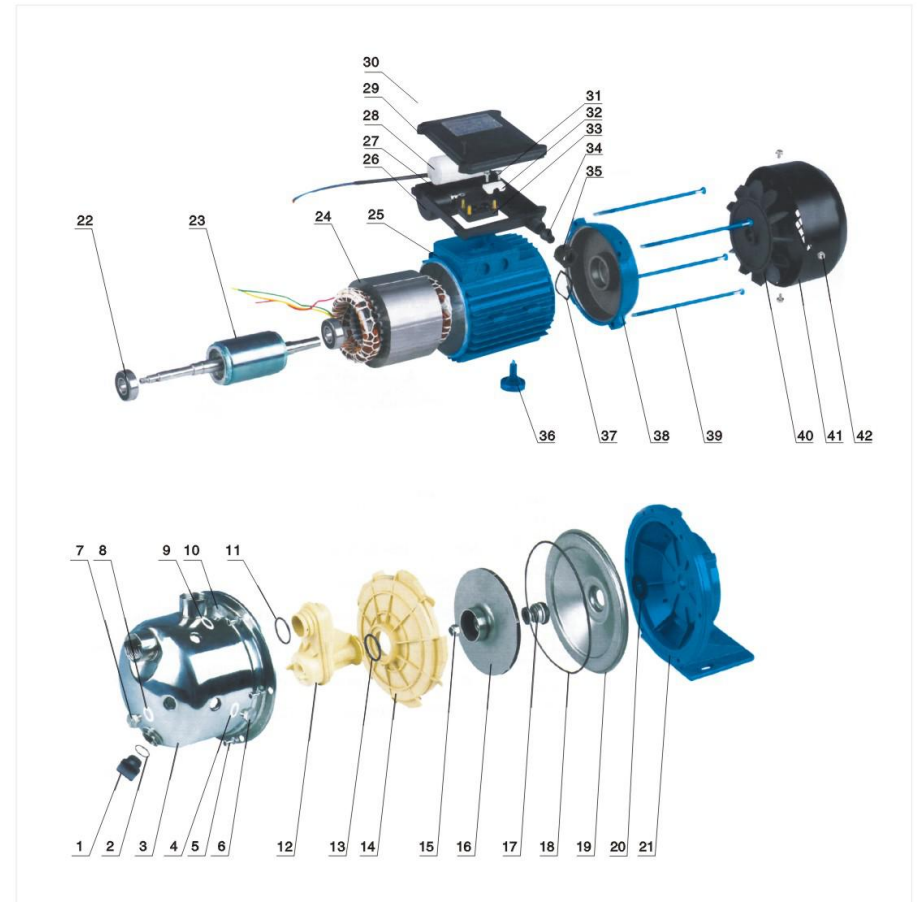
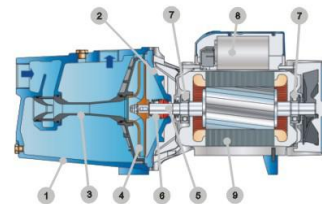
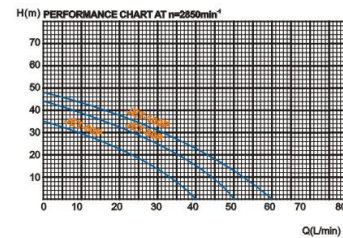
TECHNICAL DATA

TYPE	POWER KW	HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
JET-60P	0.37	0.5	35	40	1" x 1"	9	1650
JET-80P	0.55	0.75	44	50	1" x 1"	9	1450
JET-100P	0.75	1	48	60	1" x 1"	9	1450

STANDARD DATA AND EQUIPMENT

Single phase 220V/50Hz. Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.

POS. COMPONENT	CONSTRUCTION CHARACTERISTICS	
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1	
2 BODY BACKPLATE	Fast Iron	
3 NOZZLE ASSEMBLY	Noryl GFN2V	
4 IMPELLER	Brass	
5 MOTOR SHAFT	Stainless steel EN 10088-3-1.4104	
6 MECHANICAL SEAL	Seal	
	Shaft	
	Materiale	
	Model	Diameter
	AR-18	φ 18mm
7 BEARINGS	Stationary ring	
	Rotational ring	
8 CAPACITOR	Stationary ring	
	Rotational ring	
	Elastomer	
	NBR	
9 ELECTRIC MOTOR	6203 ZZ/6203 ZZ	
	Pump	Capacitance
	Single-phase (230 V or 240 V)	(110V)
	JET-80P	16 µF 450 VL
JET-100P	20 µF 450 VL	40 µF 250 VL



No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
1	Drain Plug	12	Venturi Tube	23	Shaft And Rotor	34	Outlet Hole
2	*O'ring For Drain Plug	13	*O'ring For Diffuser	24	Stator	35	Water Proof Fairlead
3	Pump Body	14	Diffuser	25	Motor Case	36	Foot
4	*O'ring For Switch Plug	15	Impeller Nut	26	Capacitor Holding Box	37	Adjusting Ring
5	Motor Bracket-Pump Body Screw	16	Impeller	27	Washer For Terminal Board	38	Motor End Cover
6	Switch Plug	17	Mechanical Seal	28	Capacitor	39	Motor Tie-rod
7	Gauge Plug	18	*O'ring For Pump Body	29	Terminal Cover	40	Fan
8	*O'ring For Gauge Plug	19	Mechanical Seal Disc Holder	30	Screw For Terminal Box Fixing	41	Screw For Fan Cover
9	*O'ring For Gauge Plug	20	Splash Guard	31	Screw For Cable Presser	42	Fan Cover
10	Gauge Plug	21	Motor Front Bracket	32	Cable Presser		
11	*O'ring For Venturi Tube	22	Pump Side Ball Bearing	33	Terminal Board		



◆ These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, economical and simple to use, being particularly suitable for domestic applications such as the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. it is always advisable to install a foot valve or non-return valve on the suction opening.



JGS

PERFORMANCE RANGE

- ◆ Flow rate up to 80 L/min.(4.8m³/h)
- ◆ Head up to 46m

OPERATING LIMITS

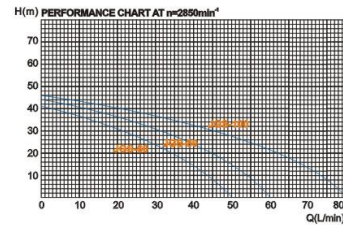
- ◆ Suction lift up to 9m
- ◆ Fluid temperature up to 60°C
- ◆ Maximum ambient temperature 40°C

STANDARD DATA AND EQUIPMENT

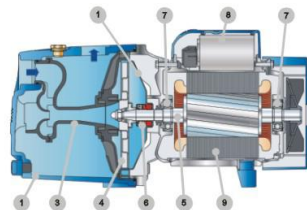
Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz,dual voltage, stainless shaft, etc, will be available upon request.

TECHNICAL DATA

TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	PACKING QTY
JGS-60	0.37 0.5	41	50	1" × 1"	9	1600
JGS-80	0.55 0.75	44	60	1" × 1"	9	1400
JGS-100	0.75 1	46	80	1" × 1"	9	1400



POS.COMPONENT	CONSTRUCTION CHARACTERISTICS				
1 PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO228/1				
2 BODY BACKPLATE	Stainless steel AISI 304				
3 NOZZLE ASSEMBLY	Noryl FE1520PW				
4 IMPELLER	Stainless steel AISI 304				
5 MOTOR SHAFT	Stainless steel AISI 304 EN 10088-3-1.4104				
6 MECHANICAL SEAL	Seal	Shaft	Materials		
	Model	Diameter	Stationary ring	Rotational ring	Elastomer
	AR-14	φ 14mm	Ceramic	Graphite	NBR
7 BEARINGS	6203 ZZ/6203 ZZ				
8 CAPACITOR	Pump	Capacitance			
	Single-phase (230 V or 240 V)	(110V)			
	JGS-60	12 µF 450 VL	25 µF 300 VL		
	JGS-80	16 µF 450 VL	30 µF 300 VL		
JGS-100	20 µF 450 VL	40 µF 300 VL			
9 ELECTRIC MOTOR	JGS:single-phase 230 V-50 Hz with thermal overload protector built-in to the winding.				
	JGS: three-phase 230/400 V-50 Hz				
	Pumps fitted with the three-phase motor option offer IE2(IEC 60034-30)class high performance				
	Stator and rotor are made out of magnetic sheet with low iron loss.				
	-Insulation: F class.				
	-Protection: IP X4.				



WORKING CONDITION

- Suction lift up to 9m
- Fluid temperature up to +60°C
- Max ambient temperature +40°C

APPLICATION&FEATURE

The pumps are for pumping clean water and fluids which are not chemically aggressive to the pump components even in the presence of entrapped air in the fluid being pumped.
They are particularly used for domestic applications such as the automatic distribution of water from tanks, for water gardening etc.
▲ Monoblock self-priming centrifugal pump with ejector housed in the pump body.
▲ A foot valve or non return valve on the suction opening should be installed.



FLORANK JMW



PEDROLLO JSWm1

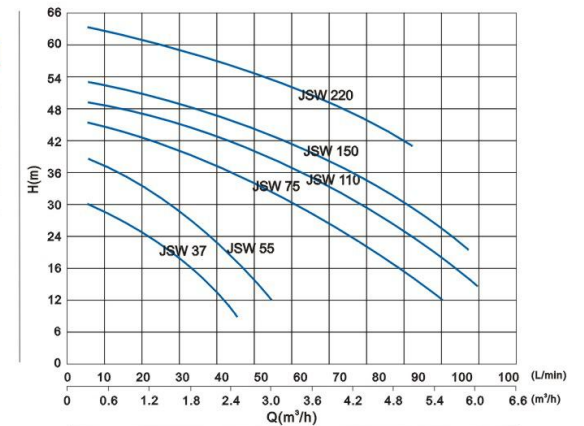


Pentax CAM100

Component	Material
Pump body	Cast iron
Motor bracket	Aluminium
Impeller	Brass or PPO
Ejector	PC or PPO
Motor shaft	SS304 or CS#45
Mechanical seal	Ceramic and graphite
Bearing	Normal or C&U

MOTOR INFORMATION

- ◆ Two-pole induction motor
- ◆ Single-phase 220V/50Hz 220V/60Hz 110V/60Hz
- ◆ Three-phase 380V/50Hz,60Hz.
- ◆ Thermal protector for single-phase
- ◆ Continuous duty
- ◆ Insulation class: B
- ◆ Protection:IP44



TECHNICAL DATA

Model	Power Kw	Power Hp	Inlet inch	Outlet inch	Max Flow m ³ /h	Max Head m	Max Suction m	Dim mm	G.W kg
Single phase									
JSW37	0.37	0.5	1"	1"	2.5	32	9	390X190X230	9.5
JSW55	0.55	0.75	1"	1"	3	41	9	475X195X240	17
JSW75	0.75	1	1"	1"	5.4	46	9	475X195X240	18
JSW110	1.1	1.5	1"	1"	6	52	9	475X195X240	18.5
JSW150	1.5	2	1.25"	1"	7.2	55	9	535X240X260	25
JSW220	2.2	3	1.25" or 1"	1"	5.0	65	9	590X275X280	40



WORKING CONDITION

Suction lift up to 25m
 Fluid temperature up to +60°C
 Max ambient temperature +40°C

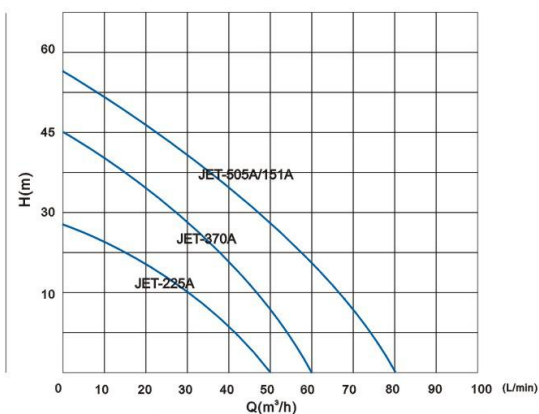
APPLICATION&FEATURE

The self-priming pumps are designed for lifting water from depths greater than 9m, including cases with entrained air. They are recommended for domestic use including water distribution (as part of a pressure set), garden irrigation ,etc.



255A-370A

505A



Component	Material
Pump body	Cast iron
Motor bracket	Aluminium
Impeller	Brass
Ejector	Nylon
Motor shaft	SS304 or CS#45
Mechanical seal	Ceramic and graphite
Bearing	Normal or C&U

MOTOR INFORMATION

- ◆ Two-pole induction motor
- ◆ Single-phase 220V/50Hz 220V/60Hz 110V/60Hz
- ◆ Three-phase 380V/50Hz,60Hz.
- ◆ Thermal protector for single-phase
- ◆ Continuous duty
- ◆ Insulation class: B
- ◆ Protection:IP44

TECHNICAL DATA

Model	Power		Inlet	Outlet	Max Flow	Max Head	Max Suction	Dim	G.W
	Kw	Hp							
Auto JET255A	0.55	0.75	1.25"x1"	1"	50	26	15	495x210x230	15
Auto JET370A	0.75	1	1.25"x1"	1"	60	45	15	520x250x300	16
Auto JET505A	1.1	1.5	1.25"x1"	1"	80	55	25	530x250x300	18.5
Auto JET151A	1.1	1.5	1.5"x1"	1"	80	55	25	530x250x300	19

OPERATING CONDITIONS

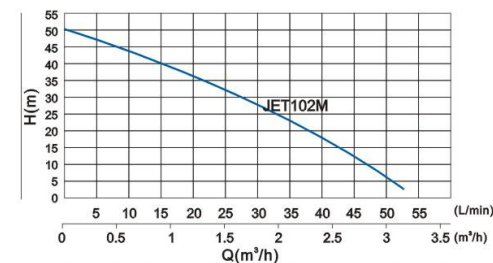
Liquid temperature up to60°C
 Ambient temperature up to 40°C
 Total suction lift up to 8m

MOTOR INFORMATION

- ◆ Two-pole induction motor
- ◆ Single-phase 220V/50Hz 220V/60Hz 110V/60Hz
- ◆ Thermal protector for single-phase
- ◆ Continuous duty
- ◆ Insulation class: B
- ◆ Protection:IP44



Component	Material
Pump body	Cast iron
Motor bracket	Aluminium
Impeller	Techno-polymer(PPO/PC)
Ejector	PC or PPO
Motor shaft	SS304 or CS#45
Mechanical seal	Ceramic and graphite
Bearing	Normal or C&U



TECHNICAL DATA

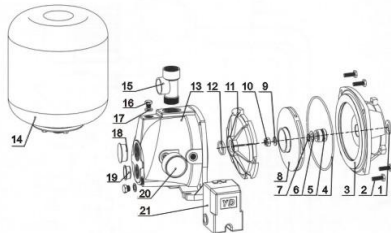
Model	Output Power		Inlet	outlet	Q.max	H.max	Suct.max
	Kw	HP					
JET102M	0.75	1	1 "	1 "	55	50	8



◆The JDW series are self-priming centrifugal pumps suitable for suction from deep wells Self-priming is achieved using an ejector, housed in the jet body, which can be installed directly on the pump body (only for 4 ejector) or more often lowered in a well and connected to the pump body by two pipes. The total delivery produced by the closed centrifugal impeller is sent only partly to the delivery opening. The remaining (driving) water is recirculated the pump body by two pipes. The total delivery suction chamber where it generated the necessary vacuum to the delivery opening. The remaining (driving) water is recirculated through the ejector, which is connected to the diffuser with recirculating water from the pump, Thus increasing its pressure at the expense of the recirculating water, and is drawn into the pump through the suction pipe. When the jet body is directly installed on the pump body (only 4" ejector) the JDW series works like the JSW series.

WORKING CONDITIONS

- ◆Suction lift up to 20m
- ◆Maximum ambient temperature +40°C



NO.	DESCRIPTION	NO.	DESCRIPTION
1	Splash Guard	12	Rubber Washer For Diffuser
2	Hex Bolt	13	Pump Body
3	Front Cover	14	Pressure Tank
4	"O" Ring	15	T Connector
5	Mechanical Seal	16	Filling Plug
6	Plain Washer	17	Plain Washer
7	Circlip	18	Seal
8	Impeller	19	Seal
9	Plain Washer	20	Pressure Gauge
10	Impeller Nut	21	Pressure Switch
11	Diffuser		

MATERIAL DATA

Model 220V 50Hz	Output W	Total Head m	Size Inch	S.head (m)	Capacity L/min-At discharge head m			
					10m	15m	25m	35m
JDW-1A	750	55	1.25" × 1" × 1"	15	62	38	24	15
				20	62	30	17	10
JDW-1	750	65	1.25" × 1" × 1"	10		58	40	50
				15		56	35	47
JDW-2	750	65	1.25" × 1" × 1"	11	55	30	18	10

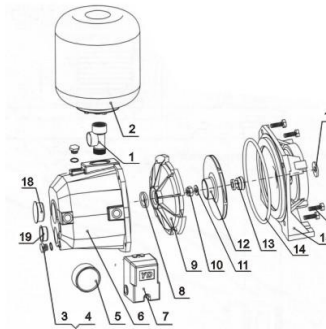
◆DP series pumps are the out-mixing supply water system which is composed of centrifugal pump, pressure tank, pressure switch, nozzle and sluice-gate. The system which is easy and safe for operation has correspondent capacity, higher power of self-priming, these models have high suction head, it shows you the modern science and technology.

WORKING CONDITIONS

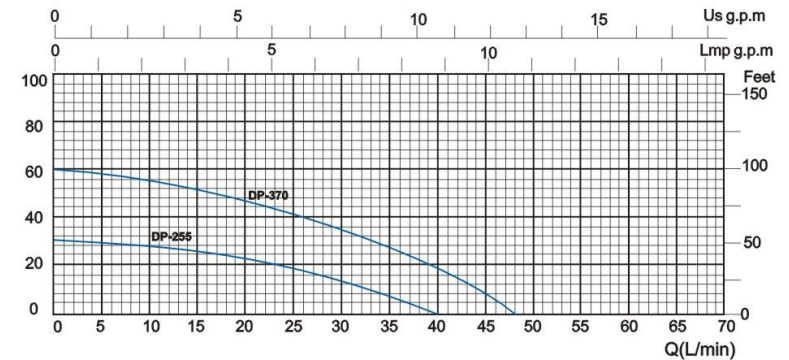
- ◆Max temperature of fluid up to +60°C
- ◆Max ambient temperature up to +40°C
- ◆Performance chart at n=2850rpm



DP



NO.	DESCRIPTION	NO.	DESCRIPTION
1	T Connector	11	Plain Washer
2	Pressure Tank	12	Impeller
3	Drain Plug	13	Mechanical Seal
4	Plain Washer	14	"O" Ring
5	Pressure Gauge	15	Front Cover
6	Pump Body	16	Hex Bolt
7	Pressure Switch	17	Splash Guard
8	Diffuser "O" Ring	18	Seal
9	Diffuser	19	Seal
10	Impeller Nut		



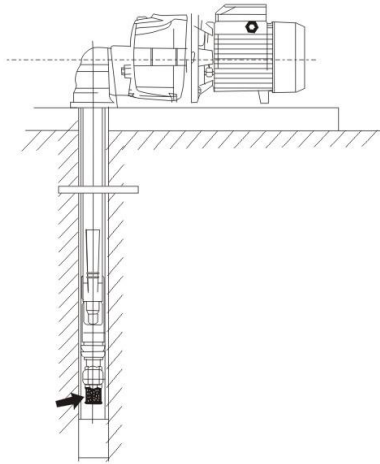
TECHNICAL DATA

TYPE	MAX Capacity (L/min)	MAX Lift (M)	MAX suction (M)	SIZE Inch	SPEED (R.P.M)	POWER (W)	V/Hz
DP-255	35	40	15	1.25" × 1" × 1"	2850	550	220/50
DP-370	45	48	20	1.25" × 1" × 1"	2850	750	220/50



PERFORMANCE RANGE

- ◆ Suction lift down to 45m
- ◆ Flow rate up to 1200L/h



JDW 2 "

PUMP MODEL		POWER		H.S m	Flow Rate (L/min)											
Single phase	Three phase	KW	HP		0	120	240	360	480	600	720	840	960	1080	1200	
JDW/1C-2 "	JD/1C-2 "	0.5	0.7	15	46	42	37	34	30	28	25	22	19	17		
JDW/1B-2 "	JD/1B-2 "	0.6	0.85		50	46	42	39	35	32	30	27	24	21	19	
JDW/1A-2 "	JD/1A-2 "	0.75	1		54	50	46	43	39	36	34	31	28	25	23	
JDW/2-2 "	JD/2-2 "	1.1	1.5	20	85	78	74	70	66	61	57	53	48	44	40	
JDW/1C-2 "	JD/1C-2 "	0.5	0.7		34	29	24	21	18	16	13	11				
JDW/1B-2 "	JD/1B-2 "	0.6	0.85		38	33	29	26	23	21	18	16	14			
JDW/1A-2 "	JD/1A-2 "	0.75	1	40	35	31	28	25	23	20	18	16				
JDW/2-2 "	JD/2-2 "	1.1	1.5	25	71	63	58	54	50	46	43	39	36	34		
JDW/1C-2 "	JD/1C-2 "	0.5	0.7		28	24	20	18	15	13						
JDW/1B-2 "	JD/1B-2 "	0.6	0.85		32	28	25	23	20	17	14					
JDW/1A-2 "	JD/1A-2 "	0.75	1	35	31	28	26	23	20	17						
JDW/2-2 "	JD/2-2 "	1.1	1.5	30	64	59	50	51	47	43	39	36				
JDW/1C-2 "	JD/1C-2 "	0.5	0.7		23	18	13									
JDW/1B-2 "	JD/1B-2 "	0.6	0.85		27	22	18	15								
JDW/1A-2 "	JD/1A-2 "	0.75	1	28	24	21	17									
JDW/2-2 "	JD/2-2 "	1.1	1.5	35	56	50	46	42	38	34	31					
JDW/1B-2 "	JD/1B-2 "	0.6	0.85		21	15										
JDW/1A-2 "	JD/1A-2 "	0.75	1		23	18	15									
JDW/2-2 "	JD/2-2 "	1.1	1.5	40	51	45	41	37	33							
JDW/2-2 "	JD/2-2 "	1.1	1.5		41	36	33									
JDW/2-2 "	JD/2-2 "	1.1	1.5		36	30										



JS-100

● Stainless steel pump body JS series self-priming electric pumps. Equipped with water proof plug & power cord and water tight switch. It is suitable for gardening, water supply, washing, increasing water pressure and etc. It is usually can be combined with a pressure switch and a surge tank to be used as a Domestic Water System for distributing water.

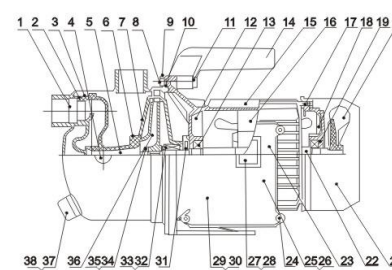
- Working conditions
- ◇ max temperature of fluid up to +40°C
 - ◇ max pressure 8bar
 - ◇ max ambient temperature up to +40°C

Technical data

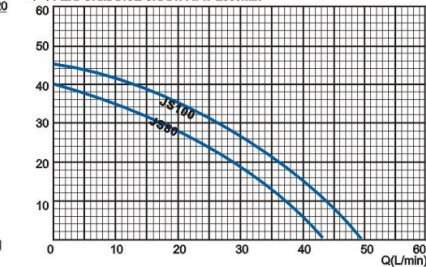
TYPE	POWER KW HP	H MAX m	Q MAX L/min	SIZE Inch	S HEAD m	N.W Kg	PACKING QTY
JS80	0.55 0.75	40	43	1" x 1"	8	8.2	1400
JS100	0.75 1	45	49	1" x 1"	8	8.6	1400

Standard data and equipment

Single phase 220V/50Hz. B.bross impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.



H(m) PERFORMANCE CHART AT n=2850min⁻¹



Material data

Item	Description	Material	Item	Description	Material	Item	Description	Material	Item	Description	Material	Item	Description	Material	Item	Description	Material
1	Pump body	SS304	8	Screw	SS420	15	Stator		22	Washer	NBR	29	Capacitor	CBB60	36	Impeller	H59
2	O ring	NBR	9	Holding disk	ABS	16	Rotor		23	Terminal cover	ABS	30	Label		37	Drain plug	ABS
3	O ring	NBR	10	O ring	NBR	17	Screw	Steel-A3	24	Screw	Steel-A3	31	Drops guard	NBR	38	O ring	NBR
4	Plug	NBS	11	Screw	A3	18	End cover	AL-ZL102	25	Cable		32	M.Seal				
5	Venturi	Noryl	12	Front cover	ZL 102	19	Spring ring	66Mn	26	Cable guard	NBR	33	Snap ring	SS420			
6	O ring	NBR	13	Bearing		20	Fan	ABS	27	Switch		34	Nut	H59			
7	Diffuser	Noryl	14	Handle	ABS	21	Fan cover	A3	28	Washer	NBR	35	Key	SS420			



AUJET-100L



AUCPM-158A

The automatic booster systems consists of a water pump,a membrane tank,a pressure gauge and a pressure switch.Most of water pump in this catalogue can be composed and become automatic booster system. The pressure tank with a non-toxic rubber membrane, or called pressure vessel,has been per-filling with air pressure of about 0.12mpa before leaving the factory.These system give suitable mains water pressure as required by modern domestic appliances and industrial applications,and will ensure enough water to supply all user outlets.For details of the pump construction, please refer to the relevang pages this catalogue.These pumps should be installed in a covered area, protected against the weather.

Technical data

TYPE	POWER KW	Q MAX L/min	SIZE Inch	TANK Capacity	TANK Located	Suggested Pressure Setting Bar	L × W × H mm	N.W Kg	G.W Kg
AUJET60L	0.46	40	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	17.1	19.4
AUJET80L	0.55	47	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	21.1	23.4
AUJET100L	0.75	55	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	22.1	24.4
AUCPM158A	0.75	55	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 550	17.1	19.4



AUJET-100S

The automatic booster systems consists of a water pump,a membrane tank,a pressure gauge and a pressure switch.Most of water pump in this catalogue can be composed and become automatic booster system. The pressure tank with a non-toxic rubber membrane, or called pressure vessel,has been per-filling with air pressure of about 0.12mpa before leaving the factory.These system give suitable mains water pressure as required by modern domestic appliances and industrial applications,and will ensure enough water to supply all user outlets.For details of the pump construction, please refer to the relevang pages this catalogue.These pumps should be installed in a covered area, protected against the weather.

Technical data

TYPE	POWER KW	Q MAX L/min	SIZE Inch	TANK Capacity	TANK Located	Suggested Pressure Setting Bar	L × W × H mm	N.W Kg	G.W Kg
AUJET60S	0.46	39	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	11.6	14.2
AUJET80S	0.55	45	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	12.8	15.1
AUJET100S	0.75	53	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	13.2	15.5

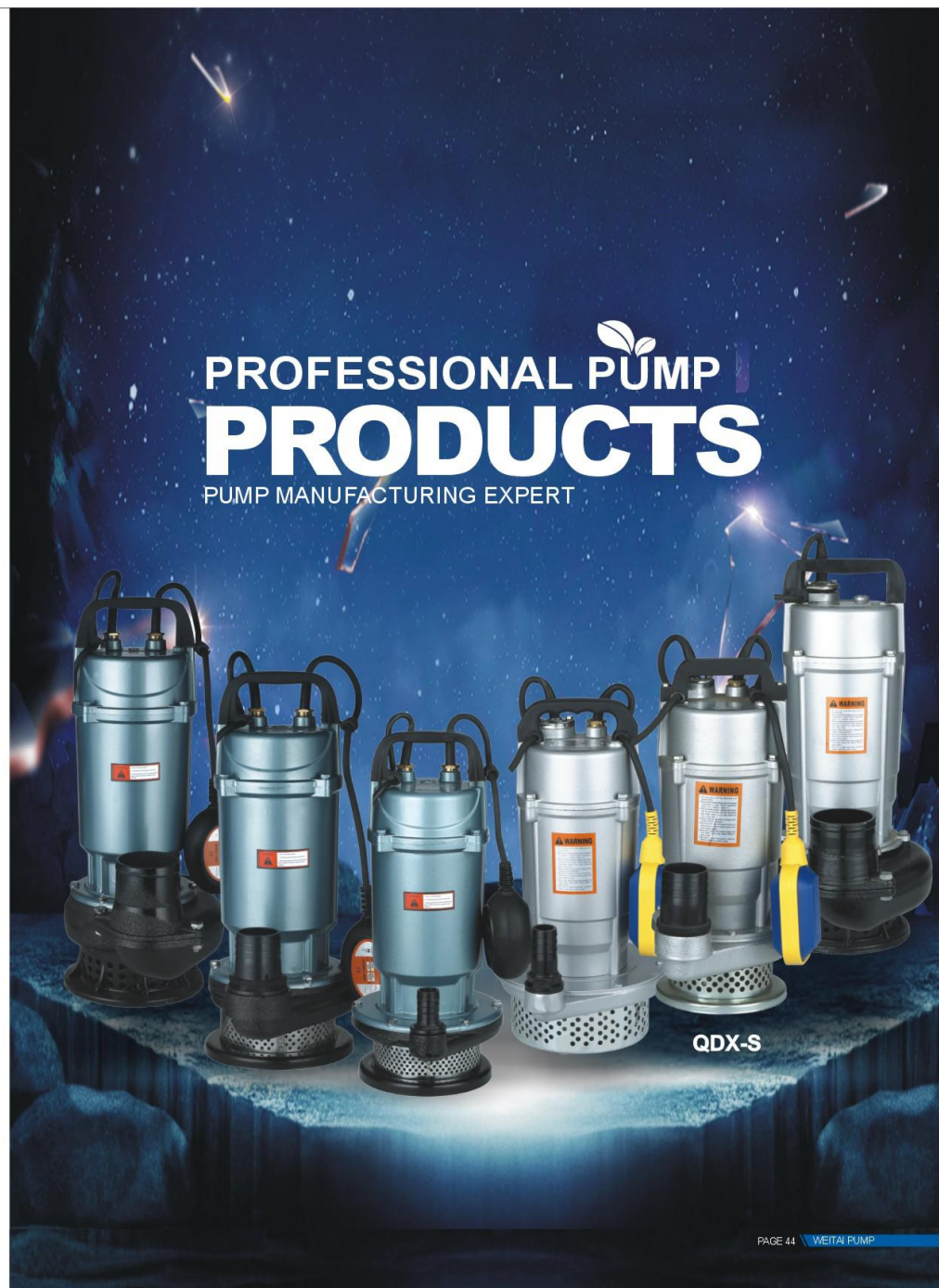


AUJS-100

The automatic booster systems consists of a water pump,a membrane tank,a pressure gauge and a pressure switch.Most of water pump in this catalogue can be composed and become automatic booster system. The pressure tank with a non-toxic rubber membrane, or called pressure vessel,has been per-filling with air pressure of about 0.12mpa before leaving the factory.These system give suitable mains water pressure as required by modern domestic appliances and industrial applications,and will ensure enough water to supply all user outlets.For details of the pump construction, please refer to the relevang pages this catalogue.These pumps should be installed in a covered area, protected against the weather.

Technical data

TYPE	POWER KW	Q MAX L/min	SIZE Inch	TANK Capacity	TANK Located	Suggested Pressure Setting Bar	L × W × H mm	N.W Kg	G.W Kg
AUJS80	0.46	39	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	11.6	14.2
AUJS80	0.55	45	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	12.8	15.1
AUJS100	0.75	53	1" × 1"	20L	Horizontal	1.2-2.5	500 × 300 × 530	13.2	15.5





WORKING CONDITION

Max.submerged depth:5m
Fluid temperature up to +60°C
Max ambient temperature +40°C

APPLICATION&FEATURE

Pumping clean water without abrasive particles and liquids that are not chemically to the components.
Mainly used for domestic water supply ,farm irrigation, pumping garden and drainage in breeding industry
Pumping water from wells, rivers, tanks,.

Component	Material
Pump body:	Aluminium or cast iron
Motor bracket:	Aluminium
Impeller:	Aluminium
Motor shaft:	CS#45 or SS304
Mechanical seal:	Ceramic-graphite
Bearing	Normal or C&U

MOTOR INFORMATION

- ◆Two-pole induction motor
- ◆Single-phase 220V/50Hz 110V,220V/60Hz
- ◆Three-phase 380V/50Hz,60Hz
- ◆Thermal protector for single-phase ,
- ◆Continuous duty.
- ◆Insulation class: E
- ◆Protection:IP X8

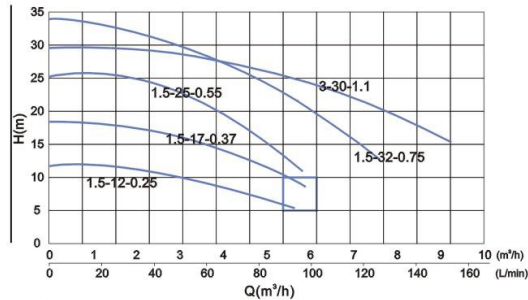
TECHNICAL DATA

Model	Power		Outlet	Rated Flow	Max Head	Dim
	Kw	Hp				
Single phase						
QDX1.5-12-0.25	0.25	0.34	1"	1.5	12	365x165x175
QDX1.5-17-0.37	0.37	0.5	1"	1.5	17	370x160x203
QDX1.5-25-0.55	0.55	0.75	1"	1.5	25	370x105x218
QDX3-18-0.55	0.55	0.75	1.25"	3	18	370x195x215
QDX10-12-0.55	0.55	0.75	1.5"	10	12	370x195x215
QDX15-7-0.55	0.55	0.75	2"	15	7	370x195x235
QDX1.5-32-0.75	0.75	1	1"	1.5	32	380x220x230
QDX3-24-0.75	0.75	1	1"	3	24	380x220x230
QDX8-18-0.75	0.75	1	1.5"	8	18	380x220x230
QDX10-16-0.75	0.75	1	2"	10	16	380x220x230
QDX15-10-0.75	0.75	1	2.5"	15	10	380x220x230
QDX25-6-0.75	0.75	1	3"	25	6	400x170x260
QDX3-30-1.1	1.1	1.5	1"	3	30	440x220x210
QDX3-38-1.1	1.1	1.5	1"	3	38	380x230x230
QDX15-14-1.1	1.1	1.5	2.5"	15	14	520x240x270
QDX40-6-1.1	1.1	1.5	3"	40	6	440x280x200
QDX6-25-1.1	1.1	1.5	2"	6	25	530x260x270
QDX40-9-1.5	1.5	2	3"	40	9	550x250x250



QDX-D

QDX-S



WORKING CONDITON

Max.submerged depth:5m
Fluid temperature up to +60°C
Max ambient temperature +40°C
Max passage for suspended solids: Φ45mm

APPLICATION&FEATURE

The pumps are designed for draining dirty water,waste water and sewage in domestic and civil applications.
Being equipped with a half-open impeller, the pumps are allowed to pump liquids containing suspended solids up to Φ45mm and short fibres.
The pumps are outstanding in the reliability with automatic float switch and builded in over-load protector.



V450F

V1100F

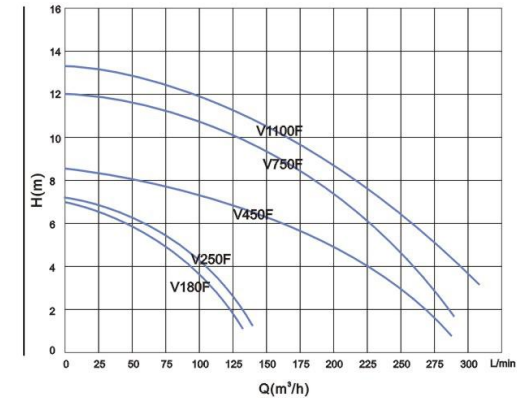
Component	Material
Pump body	Cast iron
Motor bracket	Stainless steel
Impeller	Cast iron
Motor shaft	CS#45 or SS304
Mechanical seal	Ceramic-graphite
Bearing	Normal or C&U

MOTOR INFORMATION

- ◆Two-pole induction motor
- ◆Single-phase 220V/50Hz 110V,220V/60Hz
- ◆Thermal protector for single-phase ,
- ◆Continuous duty.
- ◆Insulation class: E
- ◆Protection:IP X8

TECHNICAL DATA

Model	Power		Outlet	Max. Flow	Max Head	Dim	G.W
	Kw	Hp					
single phase							
V180F	0.18	0.2	1 1/2"	133	7	220x180x450	12
V250F	0.25	0.35	1 1/2"	150	7.5	240x180x450	14
V450F	0.45	0.55	2"	290	8.5	260x200x500	18
V750F	0.75	7	2"	300	12	260x200x550	20
V1100F	1.1	1.5	2"	360	13	280x220x560	22





WORKING CONDITON

- Max.submerged depth:5m
- Fluid temperature up to +60°C
- Max ambient temperature +40°C
- Max passage for suspended solids: φ 50mm

APPLICATION&FEATURE

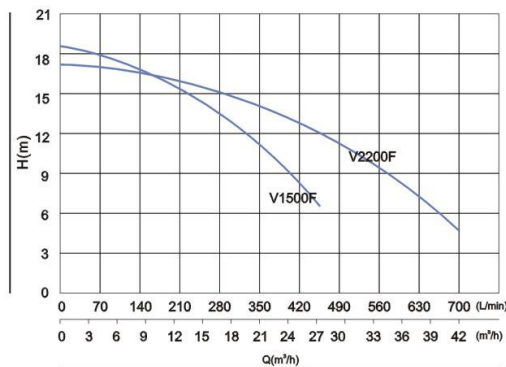
The pumps are designed for draining dirty water,waste water and sewage in domestic and civil applications. Being equipped with a half-open impeller, the pumps are allowed to pump liquids containing suspended solids up to φ50mm and short fibres. The pumps are outstanding in the reliability with automatic float switch and builded in over-load protector.



V1500F

V2200F

Component	Material
Pump body	Cast iron
Motor bracket	Stainless steel
Impeller	Cast iron
Motor shaft	CS#45 or SS304
Mechanical seal	Ceramic-graphite
Bearing	Normal or C&U



MOTOR INFORMATION

- ◆Two-pole induction motor
- ◆Single-phase 220V/50Hz 110V,220V/60Hz
- ◆Thermal protector for single-phase ,
- ◆Continuous duty.
- ◆Insulation calss: E
- ◆Protection:IP X8

TECHNICAL DATA

Model	Power	Outlet	Max. Flow	Max Head	Dim	G.W
single phase	Kw	Hp	L/min	m	mm	Kg
V1500F	1.5	2"	450	18.5	580X350X250	28
V2200F	2.2	3"	700	17	590X350X250	33

QUALITY EXCELLENCE
THE INTEGRITY OF A SUCCESSFUL CAREER

CONDITION OF USAGE:

- ◆The maximum deep it is allowed in water is 5m from its center of impeller;
- ◆The trans medium's temperature shouldn't be higher than 40°C;
- ◆The trans medium's pH scope is from 4~10;
- ◆The kinematics viscosity of the trans medium is $7 \times 10^{-7} \sim 23 \times 10^{-7} \text{m}^2/\text{s}$;
- ◆The maximum density of the trans medium is $1.2 \times 10^3 \text{kg}/\text{m}^3$.

FUNCTION AND FEATURE:

This advanced V(WQ) series, a branch of single-phase drainage pumps, will be your ideal drainage helper. The letter "V" which substitutes for the letters "WQ" indicates the distinct design of the filter and the broadness of the high efficient area. It can work safely and efficiently at high flux with the feature of complete heads. The design is designed to a wide tunnel which helps to convey the long fiber liquid or the solid whose diameter is about 15mm.The selection of bottom suction structure, stainless steel and special cast iron made the pump has the capabilities of complete drain and high resistance of abrasion and corrosion.The float switch can automatically control on and off with the change of the liquor level. The protector in the motor can automatically cut off the power when it overheated or overcurrented, thus guarantee the security and reliability of pump's run even in the atrocious environment.



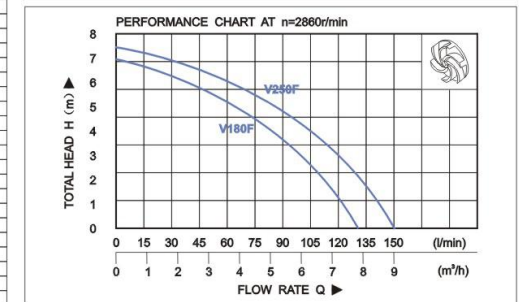
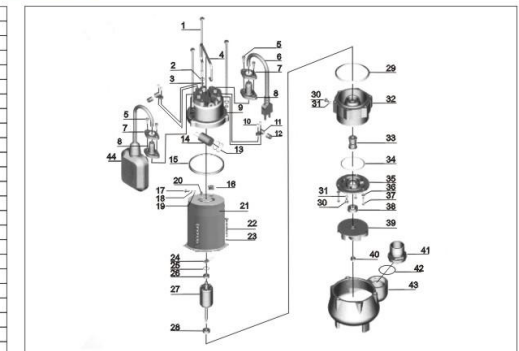
↓ **TECHNICAL DATA:**

Model	Power (kw)	Outlet Diameter (mm)	Voltage/ Frequency (V/Hz)	Max. Flow (l/min)	Max. Head (m)	Max. Diameter of (mm)	G.W. (kg)	Dimensions (mm)
V180F	0.18	25, 32, 40	220/50	133	7	15	9.0	18.5×18.0×36.5
V250F	0.25	25, 32, 40	220/50	150	7.5	15	9.5	18.5×18.0×38.5

Code "F" means pump assembled with float switch

DIAGRAM

NO.	DESCRIPTION	MATERIAL
1	Bolt	11
2	Stretching washer	11
3	Washer	11
4	Handle	11
5	Screw	11
6	Cable	11
7	Flange	11
8	Cable protector	CR
9	Capacitor cover	No35B
10	Screw	11
11	Cable presser	11
12	Protector	NR
13	*O' ring	NBR
14	Capacitor	
15	Rubber washer	NBR
16	Line protector	NBR
17	Screw	CuZn40
18	Stretching washer	1566
19	Washer	CuZn40
20	Nut	11
21	Stator	
22	Screw	11
23	Stretching washer	11
24	Thermal protector	
25	Undulated washer	1566
26	Bearing	
27	Rotor	
28	Bearing	
29	Rubber washer	NBR
30	Screw	11
31	*O' ring	NBR
32	Connection part	No35B
33	Mechanical seal	Alumina/Graphite
34	*O' ring	NBR
35	Oil chamber cover	No35B
36	Washer	11
37	Screw	11
38	Oil seal	
39	Impeller	PA66/30%Fible
40	Nut	11
41	Outlet connector	ABS
42	*O' ring	NBR
43	Pump body	No35B
44	Float switch	





CONDITION OF USAGE:

- ◆ The maximum deep it is allowed in water is 5m from its center of impeller;
- ◆ The trans medium's temperature shouldn't be higher than 40°C;
- ◆ The trans medium's pH scope is from 4-10;
- ◆ The kinematics viscosity of the trans medium is $7 \times 10^{-2} - 23 \times 10^{-4} \text{ m}^2/\text{s}$;
- ◆ The maximum density of the trans medium is $1.2 \times 10^3 \text{ kg/m}^3$.

FUNCTION AND FEATURE:

This advanced V(WQ) series, a branch of single-phase and three-phase drainage pumps, will be your ideal drainage helper. The letter "V" which substitutes for the letters "WQ" indicates the distinct design of the filter and the broadness of the high efficient area. It can work safely and efficiently at high flux with the feature of complete heads. The design is designed to a wide tunnel which helps to convey the long fiber liquid or the solid whose diameter is about 25mm. The selection of bottom suction structure, stainless steel and special cast iron made the pump has the capabilities of complete drain and high resistance of abrasion and corrosion. The float switch can automatically control on and off with the change of the liquor level. The protector in the motor can automatically cut off the power when it overheated or overcurrented, thus guarantee the security and reliability of pump's run even in the atrocious environment.



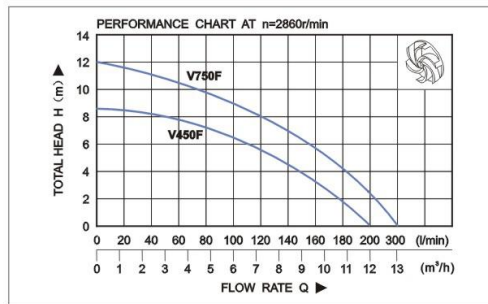
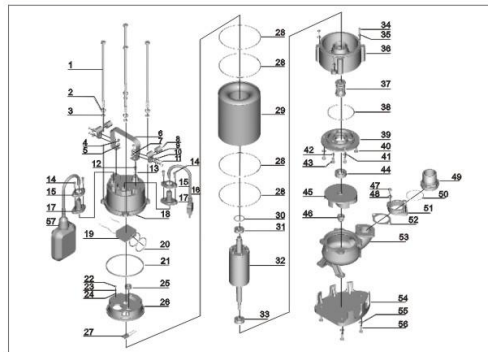
↓ **TECHNICAL DATA:**

Model	Power (kw)	Outlet Diameter (mm)	Voltage/Frequency (V/Hz)	Max. Flow (l/min)	Max. Head (m)	Max. Diameter of (mm)	G.W. (kg)	Dimensions (cm)
V450F	0.45	50	220/50	200	8.5	25	17.5	25.5×19.5×49.5
V750F	0.75	50	220/50	300	12	25	22	25.5×19.5×53.5

Code "F" means pump assembled with float switch

DIAGRAM

NO.	DESCRIPTION	MATERIAL
1	Blot	11
2	Stretching washer	11
3	Washer	11
4	Blot	11
5	Washer	11
6	Handle	11
7	Nut	11
8	Protector	NBR
9	Cable presser	11
10	Washer	11
11	Screw	11
12	Blot	11
13	O' ring	NBR
14	Screw	11
15	Flange	11
16	Cable	11
17	Cable protector	CR
18	Capacitor cover	No36B
19	Capacitor	11
20	O' ring	NBR
21	Rubber washer	NBR
22	Screw	CuZn40
23	Stretching washer	1566
24	Washer	CuZn40
25	Line protector	NBR
26	Motor cover	No36B
27	Thermal protector	11
28	O' ring	NBR
29	Stator	11
30	Undulated washer	1566
31	Bearing	11
32	Rotor	11
33	Bearing	11
34	Screw	11
35	Washer	11
36	Connection part	No36B
37	Mechanical seal	Alumina/Graphite
38	O' ring	NBR
39	Oil chamber cover	No36B
40	Screw	11
41	Washer	11
42	O' ring	NBR
43	Screw	11
44	Oil seal	11
45	Impeller	No36B
46	Nut	11
47	Blot	11
48	Washer	11
49	Out-let connector	ABS
50	O' ring	NBR
51	Connection nut	No36B
52	Rubber washer	NBR
53	Pump body	No36B
54	Base plate	No36B
55	Washer	11
56	Screw	11
57	Float switch	11



WORKING CONDITON

- Max.submerged depth:5m
- Fluid temperature up to +40°C
- Max ambient temperature +40°C
- Max passage of suspended solids: φ 50mm

APPLICATION&FEATURE

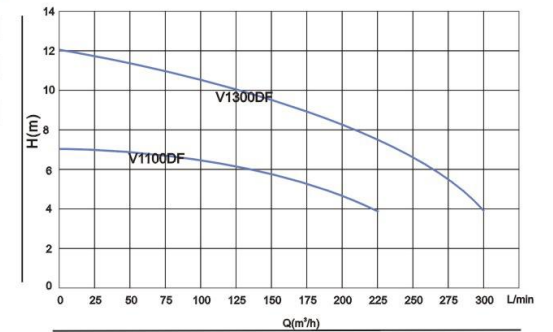
The pumps are suitable for draining dirty water and sewage in domestic and civil applications or in any other situation, such as water mixed with mud, with ground water and with surface water, where the water contains suspended solids. They are suitable for use in applications such as draining flooded areas such as cellars, underground car parks, car washes, for emptying cesspools and for sewage disposal.



Component	Material
Pump body	Cast iron
Motor bracket	Stainless steel
Impeller	Cast iron
Motor shaft	CS45# or SS
Mechanical seal	Ceramic-graphite
Bearing	Normal or C&U

MOTOR INFORMATION

- ◆ Two-pole induction motor
- ◆ Single-phase 220V/50Hz 110V,220V/60Hz
- ◆ Thermal protector for single-phase ,
- ◆ Continuous duty.
- ◆ Insulation class: E
- ◆ Protection:IP X8



TECHNICAL DATA

Model	Power	Outlet	Max. Flow	Max Head	Dim	G.W	
single phase	Kw	Hp	Inch	L/min	m	mm	Kg
V1100DF	1.1	1.5	2"	233	7	270x220x550	24
V1300DF	1.3	1.7	2"	300	12	300x240x560	25



CONDITION OF USAGE:

- ◆ The maximum deep it is allowed in water is 5m from its center of impeller;
- ◆ The trans medium's temperature shouldn't be higher than 40°C;
- ◆ The trans medium's pH scope is from 4~10;
- ◆ The kinematics viscosity of the trans medium is $7 \times 10^{-2} \sim 23 \times 10^{-4} \text{m}^2/\text{s}$;
- ◆ The maximum density of the trans medium is $1.2 \times 10^3 \text{kg/m}^3$.

FUNCTION AND FEATURE:

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 overheated or overcurrented, thus guarantee the security and reliability of pump's run even in the atrocious environment.



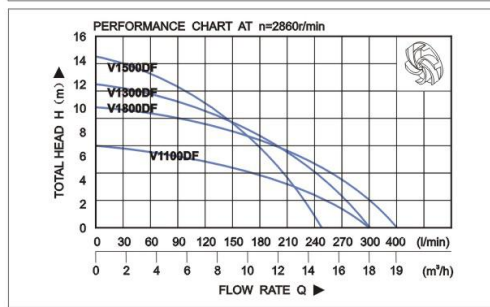
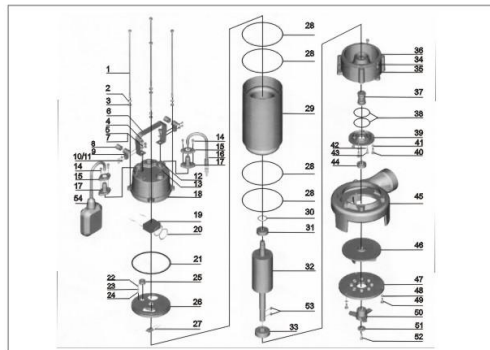
↓ **TECHNICAL DATA:**

Model	Power (kw)	Outlet Diameter (mm)	Voltage/Frequency (V/Hz)	Max. Flow (l/min)	Max. Head (m)	G.W. (kg)	Dimensions (cm)
V1100DF	1.1	50	220/50	300	7	24.0	27.5×22.5×56.0
V1300DF	1.3	50	220/50	300	12	25.5	56.5×30.5×24.5
V1500DF	1.5	50	220/50	250	14.5	31.5	59.0×35.5×25.0
V1800DF	1.8	75	220/50	400	10	32.5	59.0×35.5×25.0

Code "F" means pump assembled with float switch

DIAGRAM

NO.	DESCRIPTION	MATERIAL
1	Bolt	11
2	Stretching washer	11
3	Washer	11
4	Bolt	11
5	Washer	11
6	Handle	11
7	Nut	11
8	Protector	NR
9	Cable presser	11
10	Washer	11
11	Screw	11
12	Bolt	11
13	"O" ring	NBR
14	Screw	11
15	Flange	11
16	Cable	
17	Cable protector	CR
18	Capacitor cover	No35B
19	Capacitor	
20	"O" ring	NBR
21	Rubber washer	NBR
22	Screw	CuZn40
23	Stretching washer	1566
24	Washer	CuZn40
25	Line protector	NBR
26	Motor cover	No35B
27	Thermal protector	
28	"O" ring	NBR
29	Motor stator	11
30	Undulated washer	1566
31	Bearing	
32	Rotor	
33	Bearing	
34	Screw	11
35	Washer	11
36	Connection part	No35B
37	Mechanical seal	Alumina/Graphite
38	"O" ring	NBR
39	Oil chamber cover	No35B
40	Screw	11
41	Washer	11
42	"O" ring	NBR
43	Screw	11
44	Oil seal	
45	Pump body	No35B
46	Impeller	No35B
47	Fixed cutter	41Cr4
48	Washer	11
49	Screw	11
50	Rotation cutter	41Cr4
51	Washer	41Cr4
52	Screw	11
53	Key	4
54	Float switch	



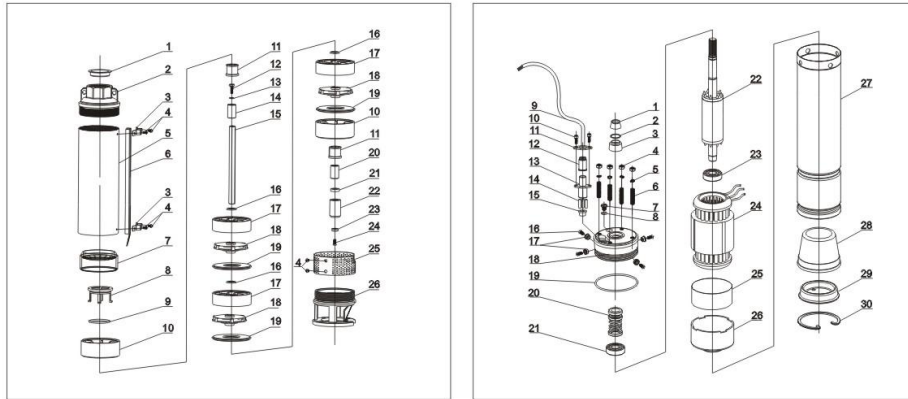
PROFESSIONAL PUMP DUCTS-PRO

PUMP MANUFACTURING EXPERT





DIAGRAM



Code "F" means pump assembled with float switch

NO.	Description	Material	Quantity	Remark
1	Outletcover	PP	1	
2	Outlet	ZCuZn38	1	
3	Cable fixed-callper	SUS304	2	
4	Cross screw	SUS201	1	M4x6
5	Pump body	SUS201	1	
6	Cable shield	SUS304	1	
7	Guide part	PC	1	
8	Water stop valve core	POM	1	
9	Water stop valve core ring	NBR	1	φ53xφ45x4
10	Support seat	ABS	N	
11	Rubber bearing	Fluorine rubber	N	
12	Outside Screw	SUS201	1	M5x12
13	Surface washer	SUS201	1	φ6
14	Upper shaft sleeve	SUS304	1	
15	Shaft	SUS201	1	
16	Impeller shim	Rubber	N	
17	Diffuser	PC	N	
18	Impeller	PC	N	
19	Pump cover	PC	N	
20	Lower shaft sleeve	SUS304	1	
21	Shaft sleeve	PC	1	
22	Coupler	SUS304	1	Activity type
23	Coupler shim	SUS304	1	
24	Cross screw	SUS201	1	M5x12
25	Net	SUS304	1	
26	Coupling	ZCuZn38	1	

No.	Description	Material	Quantity	Remark
1	Anti-sand cover	Fluorine rubber	1	
2	Anti-sand sleeve washer	SUS304	1	
3	Anti-sand sleeve seat	Nylon	1	
4	Hexagon socket screw	SUS201	4	M6
5	Spring wahser	SUS201	4	φ6
6	Hexagon socket screw	SUS201	4	M6x25
7	Oil plug	ZCuZn40	1	M6x6
8	O ring	NBR	1	φ 5.3x2.65
9	Cable	Assembly	1	
10	Screw	SUS201	2	M4x12
11	Cable clamp	SUS304	1	
12	Cable fixed seat	SUS304	1	
13	Cable sheath	Fluorine rubber	1	
14	Cable pipe	ZCuZn40	3	
15	Cable sheath washer	ABS	4	
16	Cross screw	SUS201	4	M4 x12
17	Position screw	SUS201	4	
18	Upper bearing seat	ZCuZn38	1	
19	O ring	NBR	1	φ60x3.1
20	Mechanical seal	Assembly	1	φ108 - φ14
21	Bearing	Assembly	1	6202
22	Rotor	Assembly	1	
23	Bearing	Assembly	1	7202
24	Coil	Assembly	1	
25	Lower bushing	Nylon	1	
26	Lower bearing seat	ZL102	1	
27	Pump body	SUS201	1	
28	Rubber cup	NBR	1	
29	Base	SUS201	1	
30	Rubber cup	SUS201	1	

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content:0.25%.
Maximum immersion:80m.
Minimum well diameter: φ 3".

Motor and pump

Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic:PC
Impeller	Plastic:POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

3 SD M 1.8 / 7

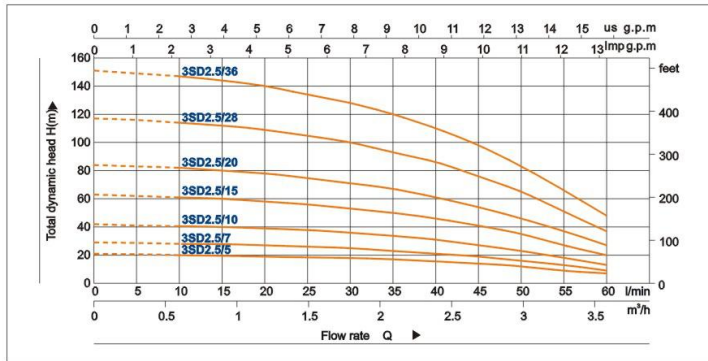
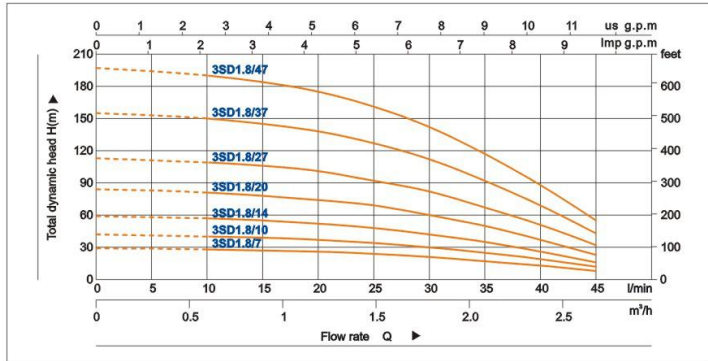
Impeller' number
Rated flow(m³/h)
Single phase
(Three phase without no M marked)
Model
Well diameter φ 3"

MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)	
			E	P		
1~220V/240V	3~380V/415V	kw				
3SDM1.8/7	3SD1.8/7	0.18	1"	75	351	1.7
3SDM1.8/10	3SD1.8/10	0.25	1"	75	418	2.0
3SDM1.8/14	3SD1.8/14	0.37	1"	75	509	2.3
3SDM1.8/20	3SD1.8/20	0.55	1"	75	668	3.1
3SDM1.8/27	3SD1.8/27	0.75	1"	75	826	3.8
3SDM1.8/37	3SD1.8/37	1.1	1"	75	1051	4.7
3SDM1.8/47	3SD1.8/47	1.5	1"	75	1300	5.8
3SDM2.5/5	3SD2.5/5	0.18	1"	75	324	2.3
3SDM2.5/7	3SD2.5/7	0.25	1"	75	376	2.6
3SDM2.5/10	3SD2.5/10	0.37	1"	75	454	3.1
3SDM2.5/15	3SD2.5/15	0.55	1"	75	584	3.8
3SDM2.5/20	3SD2.5/20	0.75	1"	75	738	4.6
3SDM2.5/28	3SD2.5/28	1.1	1"	75	946	5.8
3SDM2.5/36	3SD2.5/36	1.5	1"	75	1154	6.9

MODEL	P ₂	DIMENSIONS(mm)				WEIGHT(kg)		
1-kw 220V/240V	3-kw 380V/415V	HP	M(S)	M(T)	B	C	M(s)	M(T)
0.18	0.18	0.25	290	270	φ 73	28.5	3.8	3.2
0.25	0.25	0.33	320	290	φ 73	28.5	4.6	3.8
0.37	0.37	0.5	350	320	φ 73	28.5	5.5	4.6
0.55	0.55	0.75	390	350	φ 73	28.5	6.6	5.5
0.75	0.75	1.0	430	390	φ 73	28.5	7.8	6.6
1.1	1.1	1.5	510	430	φ 73	28.5	9.9	7.8
1.5	1.5	2.0	596	510	φ 73	28.5	12.1	9.9

ℓnℓℓℓℓ:M(S)is single phase moto/M(T)is three phase motor

3SD1.8T MULTISTAGE DEEP-WELL SUBMERSIBLE PUMP



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY																										
1~220V/240V	3~380V/415V	kw	HP	n ≈ 2850 r/min																										
				Q	m³/h																									
				l/min	0	5	10	15	20	25	30	35	40	45	50	55	60	0	5	10	15	20	25	30	35	40	45	50	55	60
3SDM1.8/7	3SD1.8/7	0.18	0.25	H(m)	29	29	28	27	26	24	21	17	13	8	—	—	—	29	29	28	27	26	24	21	17	13	8	—	—	—
3SDM1.8/10	3SD1.8/10	0.25	0.33		42	41	40	39	37	34	30	25	19	12	—	—	—	42	41	40	39	37	34	30	25	19	12	—	—	—
3SDM1.8/14	3SD1.8/14	0.37	0.50		59	58	57	55	52	48	42	35	26	16	—	—	—	59	58	57	55	52	48	42	35	26	16	—	—	—
3SDM1.8/20	3SD1.8/20	0.55	0.75		84	83	81	78	74	69	60	50	37	23	—	—	—	84	83	81	78	74	69	60	50	37	23	—	—	—
3SDM1.8/27	3SD1.8/27	0.75	1.0		113	111	109	106	101	92	82	67	51	32	—	—	—	113	111	109	106	101	92	82	67	51	32	—	—	—
3SDM1.8/37	3SD1.8/37	1.1	1.5		155	153	150	145	138	127	112	92	69	43	—	—	—	155	153	150	145	138	127	112	92	69	43	—	—	—
3SDM1.8/47	3SD1.8/47	1.5	2.0		197	194	190	184	175	161	142	117	88	55	—	—	—	197	194	190	184	175	161	142	117	88	55	—	—	—
3SDM2.5/5	3SD2.5/5	0.18	0.25		21	21	20	20	19	19	18	17	15	14	12	9	7	21	21	20	20	19	19	18	17	15	14	12	9	7
3SDM2.5/7	3SD2.5/7	0.25	0.33		29	29	29	28	27	26	25	23	21	19	16	13	9	29	29	29	28	27	26	25	23	21	19	16	13	9
3SDM2.5/10	3SD2.5/10	0.37	0.50		42	41	41	40	39	37	36	33	31	27	23	18	13	42	41	41	40	39	37	36	33	31	27	23	18	13
3SDM2.5/15	3SD2.5/15	0.55	0.75		63	62	61	60	58	56	53	50	46	41	35	27	20	63	62	61	60	58	56	53	50	46	41	35	27	20
3SDM2.5/20	3SD2.5/20	0.75	1.0		84	83	82	80	78	74	71	67	61	54	46	37	27	84	83	82	80	78	74	71	67	61	54	46	37	27
3SDM2.5/28	3SD2.5/28	1.1	1.5		117	116	114	112	109	104	100	93	86	76	65	51	37	117	116	114	112	109	104	100	93	86	76	65	51	37
3SDM2.5/36	3SD2.5/36	1.5	2.0		151	149	147	144	140	134	128	120	110	98	83	66	48	151	149	147	144	140	134	128	120	110	98	83	66	48

3.5SD3/3T MULTISTAGE DEEP-WELL SUBMERSIBLE PUMP

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.

Operating conditions

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

Motor and pump

Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

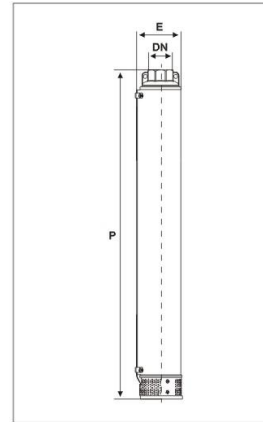
Options on request

Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

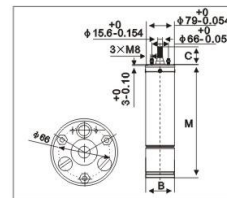
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic:PC
Impeller	Plastic:POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS& Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

3.5 SD M 3 / 6

Impeller' number
Rated flow(m³/h)
Single phase
(Three phase without no M marked)
Model
Well diameter φ 3.5 "

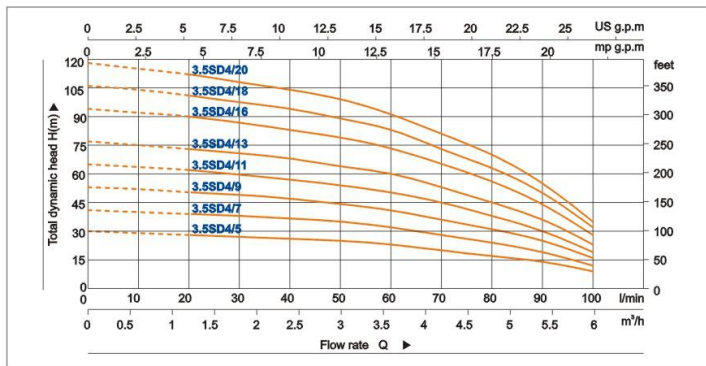
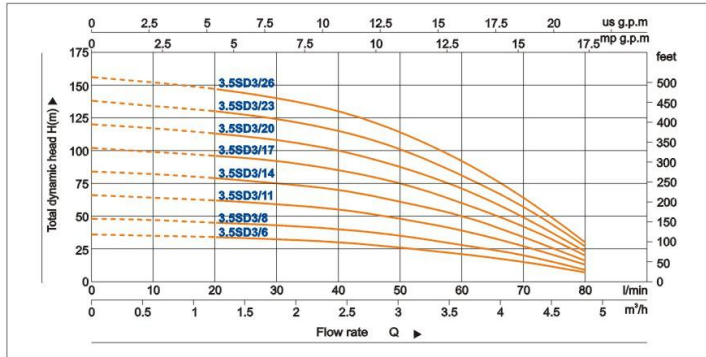


MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)
1~220V/240V	3~380V/415V	kw	E	P	kg
3.5SDM3/6	3.5SD3/6	0.25	1 1/4"	85	395
3.5SDM3/8	3.5SD3/8	0.37	1 1/4"	85	447
3.5SDM3/11	3.5SD3/11	0.55	1 1/4"	85	526
3.5SDM3/14	3.5SD3/14	0.75	1 1/4"	85	606
3.5SDM3/17	3.5SD3/17	1.1	1 1/4"	85	685
3.5SDM3/20	3.5SD3/20	1.1	1 1/4"	85	786
3.5SDM3/23	3.5SD3/23	1.5	1 1/4"	85	865
3.5SDM3/26	3.5SD3/26	1.5	1 1/4"	85	944
3.5SDM4/5	3.5SD4/5	0.25	1 1/4"	85	346
3.5SDM4/7	3.5SD4/7	0.37	1 1/4"	85	399
3.5SDM4/9	3.5SD4/9	0.55	1 1/4"	85	451
3.5SDM4/11	3.5SD4/11	0.75	1 1/4"	85	504
3.5SDM4/13	3.5SD4/13	1.1	1 1/4"	85	557
3.5SDM4/16	3.5SD4/16	1.1	1 1/4"	85	636
3.5SDM4/18	3.5SD4/18	1.5	1 1/4"	85	714
3.5SDM4/20	3.5SD4/20	1.5	1 1/4"	85	767



MODEL	P ₂	DIMENSIONS(mm)		WEIGHT(kg)				
1~kw 220V/240V	3~kw 380V/415V	HP	M(S)	M(T)	B	C	M(s)	M(T)
0.25	0.25	0.33	302	282	φ 85	28.5	5.6	4.8
0.37	0.37	0.5	317	302	φ 85	28.5	6.1	5.6
0.55	0.55	0.75	337	317	φ 85	28.5	6.9	6.1
0.75	0.75	1.0	362	337	φ 85	28.5	7.8	6.9
1.1	1.1	1.5	387	362	φ 85	28.5	8.8	7.8
1.1	1.1	1.5	437	412	φ 85	28.5	10.7	9.7

Linthlit:(M(S))is single phase moto/(M(T))is three phase motor



PERFORMANCE DATA 50Hz

MODEL	P ₂	HP	Q m ³ /h l/min	DELIVERY										
				0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
1~ 220V/240V	3~ 380V/415V	kw		0	10	20	30	40	50	60	70	80	90	100
3.5SDM3/6	3.5SD3/6	0.25	0.33	36	35	34	32	30	26	21	15	7	—	—
3.5SDM3/8	3.5SD3/8	0.37	0.50	48	47	45	43	40	35	28	20	9	—	—
3.5SDM3/11	3.5SD3/11	0.55	0.75	66	64	62	59	55	48	39	27	13	—	—
3.5SDM3/14	3.5SD3/14	0.75	1.0	84	82	79	75	70	61	50	34	16	—	—
3.5SDM3/17	3.5SD3/17	1.1	1.5	102	99	96	92	85	75	60	42	20	—	—
3.5SDM3/20	3.5SD3/20	1.1	1.5	120	117	113	108	100	88	71	49	23	—	—
3.5SDM3/23	3.5SD3/23	1.5	2.0	138	134	130	124	115	101	81	57	27	—	—
3.5SDM3/26	3.5SD3/26	1.5	2.0	156	152	147	140	130	114	92	64	30	—	—
3.5SDM4/5	3.5SD4/5	0.25	0.33	30	29	28	27	26	25	23	20	17	14	9
3.5SDM4/7	3.5SD4/7	0.37	0.50	41	40	39	38	36	35	32	28	24	19	12
3.5SDM4/9	3.5SD4/9	0.55	0.75	53	52	50	49	47	45	41	36	31	25	16
3.5SDM4/11	3.5SD4/11	0.75	1.0	65	63	62	59	57	54	51	45	38	30	19
3.5SDM4/13	3.5SD4/13	1.1	1.5	77	75	73	70	68	64	60	53	45	36	23
3.5SDM4/16	3.5SD4/16	1.1	1.5	94	92	90	86	83	79	74	65	56	44	28
3.5SDM4/18	3.5SD4/18	1.5	2.0	106	104	101	97	94	89	83	73	63	50	32
3.5SDM4/20	3.5SD4/20	1.5	2.0	118	115	112	108	104	99	92	81	70	55	35

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content:0.25%.
Maximum immersion:80m.
Minimum well diameter: ϕ 4"

Motor and pump

Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz

Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

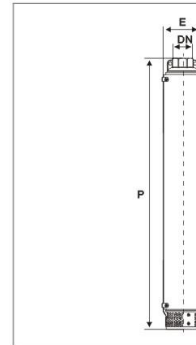
Options on request

Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

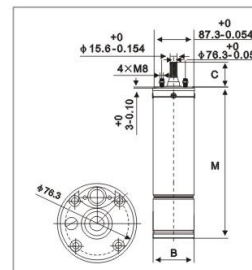
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic:PC
Impeller	Plastic: POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

4 SD M 2 / 6

Impeller' number
Rated flow(m³/h)
Single phase
(Three phase without no M marked)
Model
Well diameter ϕ 4"

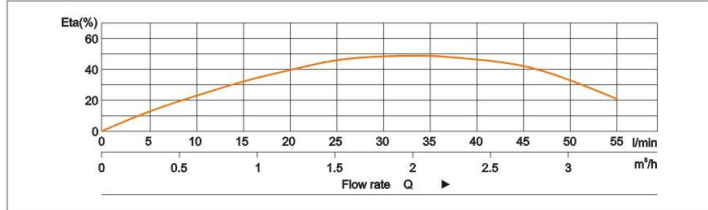
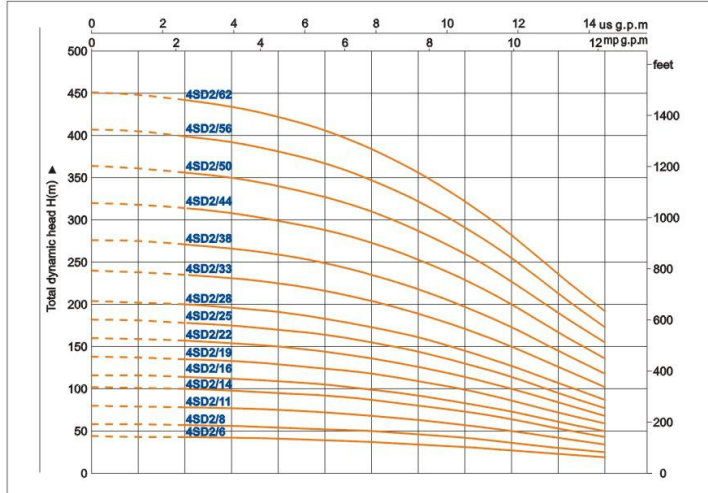


MODEL	P	kw	D N	DIMENSIONS(mm)		WEIGHT(kg)
				E	P	
1~ 220V/240V	3~ 380V/415V					
4SDM2/6	4SD2/6	0.25	1" 1/4" / 1 1/2"	100	378	3.0
4SDM2/8	4SD2/8	0.37	1" 1/4" / 1 1/2"	100	428	3.5
4SDM2/11	4SD2/11	0.55	1" 1/4" / 1 1/2"	100	503	4.3
4SDM2/14	4SD2/14	0.75	1" 1/4" / 1 1/2"	100	577	5.0
4SDM2/16	4SD2/16	0.75	1" 1/4" / 1 1/2"	100	627	5.5
4SDM2/19	4SD2/19	1.1	1" 1/4" / 1 1/2"	100	702	6.2
4SDM2/22	4SD2/22	1.1	1" 1/4" / 1 1/2"	100	777	7.0
4SDM2/25	4SD2/25	1.5	1" 1/4" / 1 1/2"	100	852	7.7
4SDM2/28	4SD2/28	1.5	1" 1/4" / 1 1/2"	100	958	8.4
4SDM2/33	4SD2/33	2.2	1" 1/4" / 1 1/2"	100	1083	9.7
4SDM2/38	4SD2/38	2.2	1" 1/4" / 1 1/2"	100	1208	10.9
—	4SD2/44	3.0	1" 1/4" / 1 1/2"	100	1357	12.4
—	4SD2/50	3.0	1" 1/4" / 1 1/2"	100	1507	13.9
—	4SD2/56	4.0	1" 1/4" / 1 1/2"	100	1688	15.3
—	4SD2/62	4.0	1" 1/4" / 1 1/2"	100	1838	16.8



MODEL	P ₂	HP	DIMENSIONS(mm)			WEIGHT(kg)			
			M(S)	M(T)	B	C	M(S)	M(T)	
1~kw 220V/240V	3~kw 380V/415V								
0.25	0.25	0.33	298	298	ϕ 95	38	6.2	5.9	
0.37	0.37	0.5	313	313	ϕ 95	38	6.9	6.6	
0.55	0.55	0.75	328	328	ϕ 95	38	7.6	7.2	
0.75	0.75	1.0	343	343	ϕ 95	38	8.2	7.9	
0.75	0.75	1.0	358	343	ϕ 95	38	8.9	7.9	
1.1	1.1	1.5	378	378	ϕ 95	38	9.8	9.5	
1.1	1.1	1.5	398	378	ϕ 95	38	10.7	9.5	
1.5	1.5	2.0	423	413	ϕ 95	38	11.8	11.0	
1.5	1.5	2.0	448	413	ϕ 95	38	12.9	11.0	
2.2	2.2	3.0	501	448	ϕ 95	38	15.3	12.6	
2.2	2.2	3.0	541	501	ϕ 95	38	17.4	15.2	
—	3.0	4.0	—	626	ϕ 95	38	—	16.4	
—	3.0	4.0	—	551	ϕ 95	38	—	17.7	
—	4.0	5.5	—	581	ϕ 95	38	—	19.2	
—	4.0	5.5	—	616	ϕ 95	38	—	20.9	

Lnhlt:M(S)s single phase moto/M(T)s three phase motor



PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY												
		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	
1~ 220V/240V	3~ 380V/415V	kw	HP											
4SDM2/6	4SD2/6	0.25	0.33											
4SDM2/8	4SD2/8	0.37	0.50											
4SDM2/11	4SD2/11	0.55	0.75											
4SDM2/14	4SD2/14	0.75	1.0											
4SDM2/16	4SD2/16	0.75	1.0											
4SDM2/19	4SD2/19	1.1	1.5											
4SDM2/22	4SD2/22	1.1	1.5											
4SDM2/25	4SD2/25	1.5	2.0											
4SDM2/28	4SD2/28	1.5	2.0											
4SDM2/33	4SD2/33	2.2	3.0											
4SDM2/38	4SD2/38	2.2	3.0											
—	4SD2/44	3.0	4.0											
—	4SD2/50	3.0	4.0											
—	4SD2/56	4.0	5.5											
—	4SD2/62	4.0	5.5											

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content:0.25%.
Maximum immersion:80m.
Minimum well diameter: $\phi 4"$.

Motor and pump

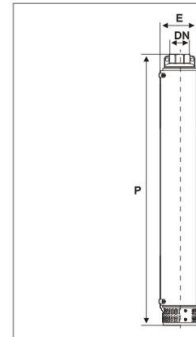
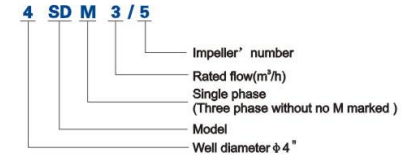
Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed

NEMA dimension standards
Curve tolerance according to ISO 9906

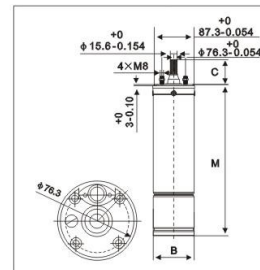
Options on request

Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic:PC
Impeller	Plastic:POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

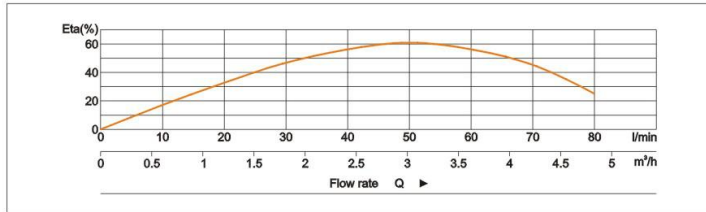
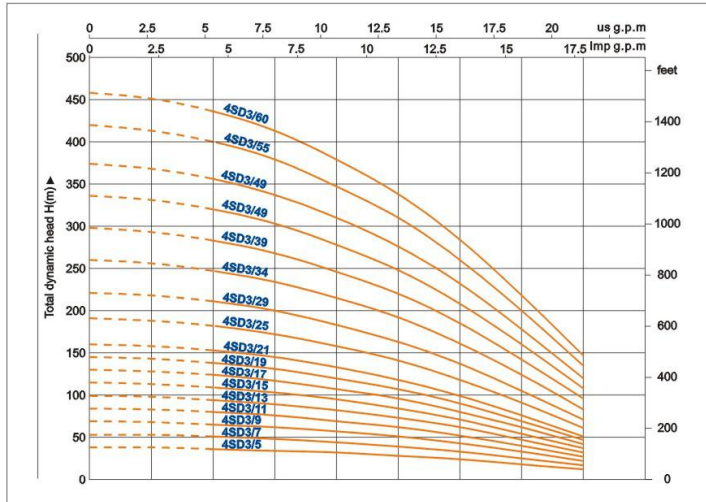


MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)
			E	P	
1~ 220V/240V	3~ 380V/415V	kw	E	P	kg
4SDM3/5	4SD3/5	0.25	100	363	3.0
4SDM3/7	4SD3/7	0.37	100	417	3.5
4SDM3/9	4SD3/9	0.55	100	471	4.1
4SDM3/11	4SD3/11	0.75	100	525	4.6
4SDM3/13	4SD3/13	0.75	100	578	5.1
4SDM3/15	4SD3/15	1.1	100	632	5.6
4SDM3/17	4SD3/17	1.1	100	686	6.1
4SDM3/19	4SD3/19	1.5	100	740	6.7
4SDM3/21	4SD3/21	1.5	100	794	7.2
4SDM3/25	4SD3/25	2.2	100	933	8.2
4SDM3/29	4SD3/29	2.2	100	1041	9.2
—	4SD3/34	3.0	100	1176	10.5
—	4SD3/39	3.0	100	1311	11.8
—	4SD3/44	4.0	100	1445	13.1
—	4SD3/49	4.0	100	1612	14.4
—	4SD3/55	5.5	100	1773	16.0
—	4SD3/60	5.5	100	1908	17.3



MODEL	P ₂	HP	DIMENSIONS(mm)				WEIGHT(kg)	
			M(S)	M(T)	B	C	M(s)	M(T)
1~kw 220V/240V	3~kw 380V/415V	HP <td>M(S) <td>M(T) <td>B <td>C <td>M(s) <td>M(T) </td></td></td></td></td></td>	M(S) <td>M(T) <td>B <td>C <td>M(s) <td>M(T) </td></td></td></td></td>	M(T) <td>B <td>C <td>M(s) <td>M(T) </td></td></td></td>	B <td>C <td>M(s) <td>M(T) </td></td></td>	C <td>M(s) <td>M(T) </td></td>	M(s) <td>M(T) </td>	M(T)
0.25	0.25	0.33	298	298	$\phi 95$	38	6.2	5.9
0.37	0.37	0.5	313	313	$\phi 95$	38	6.9	6.6
0.55	0.55	0.75	328	328	$\phi 95$	38	7.6	7.2
0.75	0.75	1.0	343	343	$\phi 95$	38	8.2	7.9
0.75	0.75	1.0	358	343	$\phi 95$	38	8.9	7.9
1.1	1.1	1.5	378	378	$\phi 95$	38	9.8	9.5
1.1	1.1	1.5	398	378	$\phi 95$	38	10.7	9.5
1.5	1.5	2.0	423	413	$\phi 95$	38	11.8	11.0
1.5	1.5	2.0	448	413	$\phi 95$	38	12.9	11.0
2.2	2.2	3.0	501	448	$\phi 95$	38	15.3	12.8
2.2	2.2	3.0	541	501	$\phi 95$	38	17.4	15.2
—	3.0	4.0	—	526	$\phi 95$	38	—	16.4
—	3.0	4.0	—	551	$\phi 95$	38	—	17.7
—	4.0	5.5	—	581	$\phi 95$	38	—	19.2
—	4.0	5.5	—	616	$\phi 95$	38	—	20.9
—	5.5	7.5	—	672	$\phi 95$	38	—	22.9
—	5.5	7.5	—	712	$\phi 95$	38	—	24.9

Lntellit:M(S)is single phase moto/M(T)is three phase motor



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY																	
	1- 220V/240V	3- 380V/415V	n ≈ 2850 r/min																	
	kw	HP	Q m³/h l/min																	
4SDM3/5	0.25	0.33	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0	10	20	30	40	50	60	70	80
4SDM3/7	0.37	0.50	38	38	36	34	32	28	24	18	12	53	53	51	48	44	39	33	25	17
4SDM3/9	0.55	0.75	69	68	65	62	57	51	43	33	22	84	83	80	76	69	62	52	40	27
4SDM3/11	0.75	1.0	99	98	94	89	82	73	62	47	32	115	113	109	103	95	84	71	54	37
4SDM3/13	0.75	1.0	130	128	124	117	107	96	80	62	42	145	143	138	131	120	107	90	69	47
4SDM3/15	1.1	1.5	180	158	153	145	133	118	99	76	51	211	188	182	172	158	141	118	91	61
4SDM3/17	1.1	1.5	221	218	211	200	183	163	137	105	71	260	256	247	234	215	192	161	124	83
4SDM3/19	1.5	2.0	298	293	283	268	246	220	185	142	96	336	331	320	303	278	248	208	160	108
4SDM3/21	1.5	2.0	374	368	356	337	310	276	232	178	120	420	413	400	379	347	310	260	200	135
4SDM3/25	2.2	3.0	458	451	436	413	379	338	284	218	147									

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content: 0.25%.
Maximum immersion: 80m.
Minimum well diameter: φ 4".

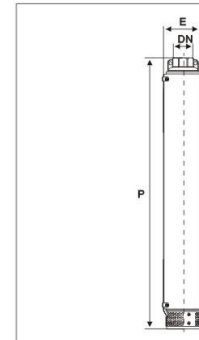
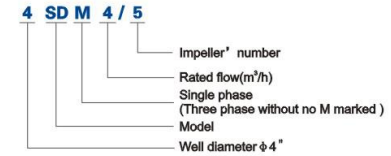
Motor and pump

Rewindable motor or Full obturated screen motor.
Three-phase: 380V-415V/50Hz
Single-phase: 220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

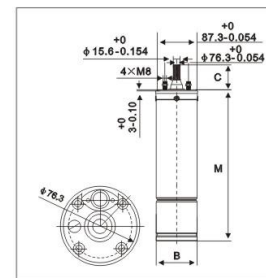
Options on request

Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic: PC
Impeller	Plastic: POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-Iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

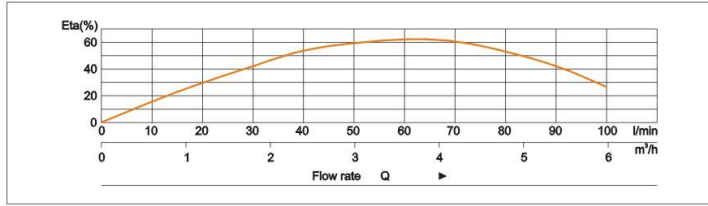
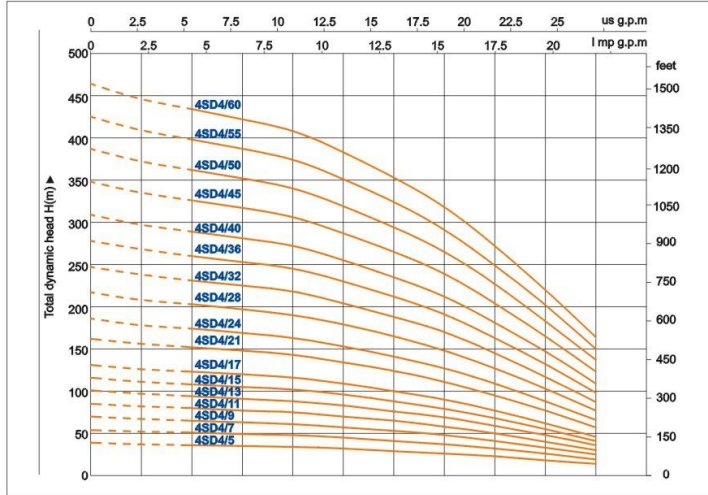


MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)
			E	P	kg
1- 220V/240V	3- 380V/415V	kw			
4SDM4/5	4SD4/5	0.37	100	369	3.3
4SDM4/7	4SD4/7	0.55	100	426	3.8
4SDM4/8	4SD4/8	0.75	100	454	4.1
4SDM4/9	4SD4/9	0.75	100	482	4.4
4SDM4/11	4SD4/11	1.1	100	539	4.9
4SDM4/13	4SD4/13	1.1	100	595	5.4
4SDM4/15	4SD4/15	1.5	100	652	6.0
4SDM4/17	4SD4/17	1.5	100	708	6.5
4SDM4/21	4SD4/21	2.2	100	821	7.6
4SDM4/24	4SD4/24	2.2	100	938	8.4
—	4SD4/28	3.0	100	1051	9.5
—	4SD4/32	3.0	100	1164	10.6
—	4SD4/36	4.0	100	1277	11.7
—	4SD4/40	4.0	100	1390	12.8
—	4SD4/45	5.5	100	1531	14.1
—	4SD4/50	5.5	100	1704	15.5
—	4SD4/55	7.5	100	1845	16.8
—	4SD4/60	7.5	100	1986	18.2



MODEL	P ₂	HP	DIMENSIONS(mm)			WEIGHT(kg)		
			M(S)	M(T)	B	C	M(s)	M(T)
1-kw 220V/240V	3-kw 380V/415V							
0.37	0.37	0.5	313	313	φ 95	38	6.9	6.6
0.55	0.55	0.75	328	328	φ 95	38	7.6	7.2
0.75	0.75	1.0	343	343	φ 95	38	8.2	7.9
0.75	0.75	1.0	358	343	φ 95	38	8.9	7.9
1.1	1.1	1.5	378	378	φ 95	38	9.8	9.5
1.1	1.1	1.5	398	378	φ 95	38	10.7	9.5
1.5	1.5	2.0	423	413	φ 95	38	11.8	11.0
1.5	1.5	2.0	448	413	φ 95	38	12.9	11.0
2.2	2.2	3.0	501	448	φ 95	38	15.3	12.6
2.2	2.2	3.0	541	501	φ 95	38	17.4	15.2
—	3.0	4.0	—	526	φ 95	38	—	16.4
—	4.0	5.5	—	551	φ 95	38	—	17.7
—	4.0	5.5	—	581	φ 95	38	—	19.2
—	4.0	5.5	—	616	φ 95	38	—	20.9
—	5.5	7.5	—	672	φ 95	38	—	22.9
—	5.5	7.5	—	712	φ 95	38	—	24.9
—	7.5	10.0	—	762	φ 95	38	—	27.4
—	7.5	10.0	—	812	φ 95	38	—	29.9

Lnthelt:M(S)s single phase moto/M(T)s three phase motor



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n = 2850 r/min													
	1~ 220V/240V	3~ 380V/415V	kw	HP	Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
4SDM4/5	4SD4/5	0.37	0.5	39	37	36	35	34	32	29	26	23	18	14		
4SDM4/7	4SD4/7	0.55	0.75	54	52	51	49	48	45	41	37	32	26	19		
4SDM4/8	4SD4/8	0.75	1.0	62	59	58	56	54	51	47	42	36	29	22		
4SDM4/9	4SD4/9	0.75	1.0	70	67	65	63	61	57	53	48	41	33	25		
4SDM4/11	4SD4/11	1.1	1.5	85	82	80	77	75	70	65	58	50	40	30		
4SDM4/13	4SD4/13	1.1	1.5	101	97	94	91	88	83	76	69	59	48	36		
4SDM4/15	4SD4/15	1.5	2.0	116	111	108	105	102	96	88	79	68	55	41		
4SDM4/17	4SD4/17	1.5	2.0	131	126	123	120	116	109	100	90	77	62	46		
4SDM4/21	4SD4/21	2.2	3.0	162	156	152	148	143	134	124	111	95	77	57		
4SDM4/24	4SD4/24	2.2	3.0	186	178	174	169	163	153	141	127	109	88	66		
—	4SD4/28	3.0	4.0	217	208	203	197	190	179	165	148	127	103	77		
—	4SD4/32	3.0	4.0	247	238	231	225	218	204	188	170	145	117	87		
—	4SD4/36	4.0	5.5	278	268	260	253	245	230	212	191	163	132	98		
—	4SD4/40	4.0	5.5	309	297	289	281	272	255	235	212	181	147	109		
—	4SD4/45	5.5	7.5	348	335	326	317	306	287	265	239	204	165	123		
—	4SD4/50	5.5	7.5	387	372	362	352	340	319	294	265	227	183	137		
—	4SD4/55	7.5	10	425	409	398	387	374	351	324	291	249	202	150		
—	4SD4/60	7.5	10	464	446	434	422	408	383	353	318	272	220	164		

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content:0.25%.
Maximum immersion:80m.
Minimum well diameter: φ 4".

Motor and pump

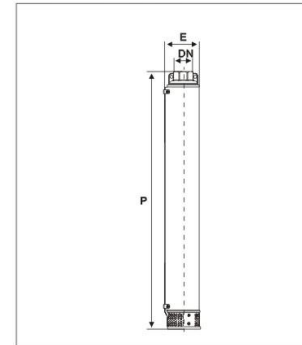
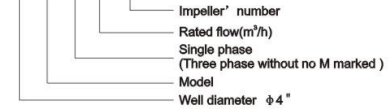
Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

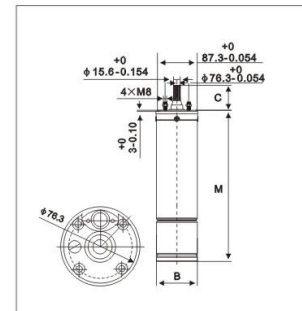
Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic:PC
Impeller	Plastic:POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

4 S D M 6 / 5

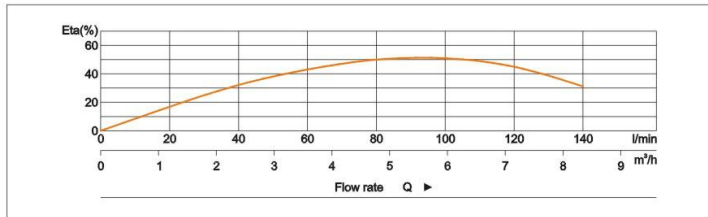
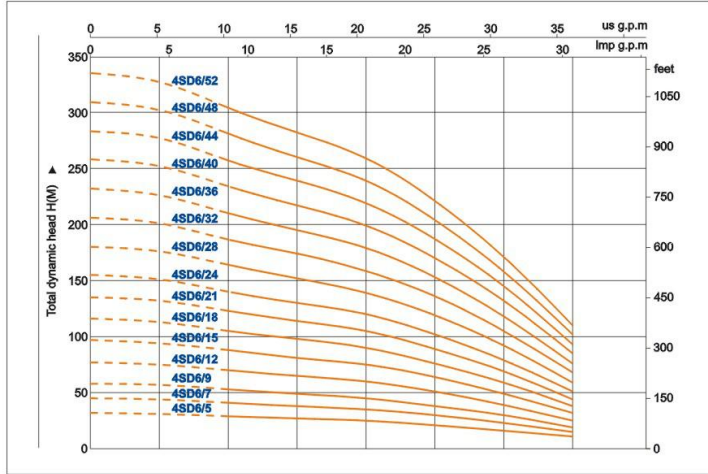


MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)	
			E	P		
1~ 220V/240V	3~ 380V/415V	kw			kg	
4SDM6/5	4SD6/5	0.37	1 1/4" / 1 1/2" 2"	100	413	3.5
4SDM6/7	4SD6/7	0.55	1 1/4" / 1 1/2" 2"	100	479	4.1
4SDM6/8	4SD6/8	0.75	1 1/4" / 1 1/2" 2"	100	512	4.4
4SDM6/9	4SD6/9	0.75	1 1/4" / 1 1/2" 2"	100	545	4.7
4SDM6/10	4SD6/10	1.1	1 1/4" / 1 1/2" 2"	100	578	4.9
4SDM6/12	4SD6/12	1.1	1 1/4" / 1 1/2" 2"	100	644	5.5
4SDM6/13	4SD6/13	1.5	1 1/4" / 1 1/2" 2"	100	676	5.8
4SDM6/15	4SD6/15	1.5	1 1/4" / 1 1/2" 2"	100	742	6.4
4SDM6/18	4SD6/18	2.2	1 1/4" / 1 1/2" 2"	100	841	7.2
4SDM6/21	4SD6/21	2.2	1 1/4" / 1 1/2" 2"	100	972	8.1
—	4SD6/24	3.0	1 1/4" / 1 1/2" 2"	100	1070	8.9
—	4SD6/28	3.0	1 1/4" / 1 1/2" 2"	100	1202	10.1
—	4SD6/32	4.0	1 1/4" / 1 1/2" 2"	100	1334	11.2
—	4SD6/36	4.0	1 1/4" / 1 1/2" 2"	100	1466	12.3
—	4SD6/40	5.5	1 1/4" / 1 1/2" 2"	100	1629	13.5
—	4SD6/44	5.5	1 1/4" / 1 1/2" 2"	100	1781	14.6
—	4SD6/48	7.5	1 1/4" / 1 1/2" 2"	100	1893	15.7
—	4SD6/52	7.5	1 1/4" / 1 1/2" 2"	100	2025	16.9



MODEL	P ₂	DIMENSIONS(mm)				WEIGHT(kg)		
		HP	M(S)	M(T)	B	C	M(s)	M(T)
1-kw 220V/240V	3-kw 380V/415V							
0.37	0.37	0.5	313	313	φ95	38	6.9	6.6
0.55	0.55	0.75	328	328	φ95	38	7.6	7.2
0.75	0.75	1.0	343	343	φ95	38	8.2	7.9
0.75	0.75	1.0	358	343	φ95	38	8.9	7.9
1.1	1.1	1.5	378	378	φ95	38	9.8	9.5
1.1	1.1	1.5	398	378	φ95	38	10.7	9.5
1.5	1.5	2.0	423	413	φ95	38	11.8	11.0
1.5	1.5	2.0	448	413	φ95	38	12.9	11.0
2.2	2.2	3.0	501	448	φ95	38	15.3	12.6
2.2	2.2	3.0	541	501	φ95	38	17.4	15.2
—	3.0	4.0	—	626	φ95	38	—	16.4
—	3.0	4.0	—	551	φ95	38	—	17.7
—	4.0	5.5	—	581	φ95	38	—	19.2
—	4.0	5.5	—	616	φ95	38	—	20.9
—	5.5	7.5	—	672	φ95	38	—	22.9
—	5.5	7.5	—	712	φ95	38	—	24.9
—	7.5	10.0	—	762	φ95	38	—	27.4
—	7.5	10.0	—	812	φ95	38	—	29.9

Lineht:M(S)is single phase moto/M(T)is three phase motor



PERFORMANCE DATA 50Hz

MODEL		P ₂		Q m ³ /h l/min	DELIVERY n ≈ 2850 r/min									
1~ 220V/240V	3~ 380V/415V	kw	HP		0	1.2	2.4	3.6	4.8	6.0	7.2	8.4		
4SDM6/5	4SD6/5	0.37	0.5	32	31	29	27	25	21	16	11			
4SDM6/7	4SD6/7	0.55	0.75	45	44	41	38	35	30	23	15			
4SDM6/8	4SD6/8	0.75	1.0	52	50	47	43	40	34	26	17			
4SDM6/9	4SD6/9	0.75	1.0	58	57	53	49	45	38	30	19			
4SDM6/10	4SD6/10	1.1	1.5	64	63	58	54	50	42	33	21			
4SDM6/12	4SD6/12	1.1	1.5	77	75	70	65	60	51	39	25			
4SDM6/13	4SD6/13	1.5	2.0	84	82	76	70	65	55	43	27			
4SDM6/15	4SD6/15	1.5	2.0	97	94	88	81	75	64	49	32			
4SDM6/18	4SD6/18	2.2	3.0	116	113	105	98	90	76	59	38			
4SDM6/21	4SD6/21	2.2	3.0	135	132	123	114	105	89	69	44			
—	4SD6/24	3.0	4.0	155	151	140	130	120	102	79	51			
—	4SD6/28	3.0	4.0	180	176	164	152	139	119	92	59			
—	4SD6/32	4.0	5.5	206	201	187	174	159	136	105	68			
—	4SD6/36	4.0	5.5	232	226	210	195	179	153	118	76			
—	4SD6/40	5.5	7.5	258	252	234	217	199	170	132	85			
—	4SD6/44	5.5	7.5	283	277	257	239	219	187	145	93			
—	4SD6/48	7.5	10.0	309	302	281	260	239	204	158	102			
—	4SD6/52	7.5	10.0	335	327	304	282	259	221	171	110			

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content: 0.25%.
Maximum immersion: 80m.
Minimum well diameter: φ 4.

Motor and pump

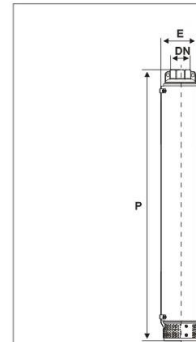
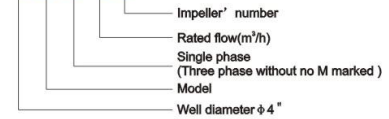
Rewindable motor or Full obturated screen motor.
Three-phase: 380V-415V/50Hz
Single-phase: 220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

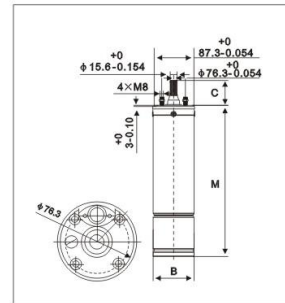
Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic: PC
Impeller	Plastic: POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

4 SD M 8 / 5

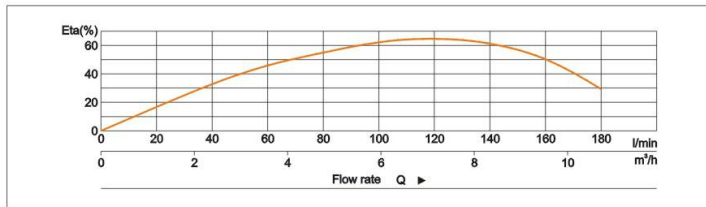
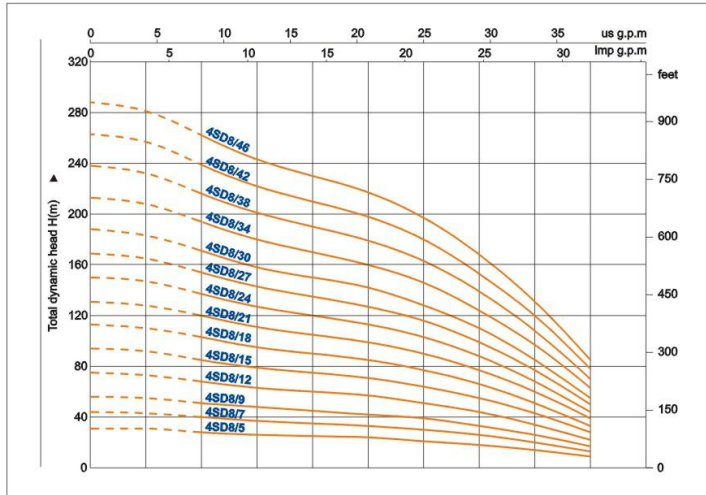


MODEL		P	D N	DIMENSIONS(mm)		WEIGHT(kg)
1~ 220V/240V	3~ 380V/415V	kw		E	P	kg
4SDM8/5	4SD8/5	0.55	1 1/4" / 1 1/2" 2"	100	439	3.8
4SDM8/6	4SD8/6	0.75	1 1/4" / 1 1/2" 2"	100	477	4.1
4SDM8/7	4SD8/7	0.75	1 1/4" / 1 1/2" 2"	100	515	4.4
4SDM8/8	4SD8/8	1.1	1 1/4" / 1 1/2" 2"	100	553	4.6
4SDM8/9	4SD8/9	1.1	1 1/4" / 1 1/2" 2"	100	591	4.9
4SDM8/10	4SD8/10	1.5	1 1/4" / 1 1/2" 2"	100	630	5.2
4SDM8/12	4SD8/12	1.5	1 1/4" / 1 1/2" 2"	100	706	5.8
4SDM8/15	4SD8/15	2.2	1 1/4" / 1 1/2" 2"	100	820	6.7
4SDM8/18	4SD8/18	2.2	1 1/4" / 1 1/2" 2"	100	966	7.6
—	4SD8/21	3.0	1 1/4" / 1 1/2" 2"	100	1081	8.5
—	4SD8/24	3.0	1 1/4" / 1 1/2" 2"	100	1195	9.4
—	4SD8/27	4.0	1 1/4" / 1 1/2" 2"	100	1310	10.3
—	4SD8/30	4.0	1 1/4" / 1 1/2" 2"	100	1424	11.2
—	4SD8/34	5.5	1 1/4" / 1 1/2" 2"	100	1577	12.3
—	4SD8/38	5.5	1 1/4" / 1 1/2" 2"	100	1761	13.5
—	4SD8/42	7.5	1 1/4" / 1 1/2" 2"	100	1913	14.7
—	4SD8/46	7.5	1 1/4" / 1 1/2" 2"	100	2066	15.9



MODEL		P ₂	DIMENSIONS(mm)				WEIGHT(kg)	
1~kw 220V/240V	3~kw 380V/415V	HP	M(S)	M(T)	B	C	M(S)	M(T)
0.55	0.55	0.75	328	328	φ 95	38	7.6	7.2
0.75	0.75	1.0	343	343	φ 95	38	8.2	7.9
0.75	0.75	1.0	358	343	φ 95	38	8.9	7.9
1.1	1.1	1.5	378	378	φ 95	38	9.8	9.5
1.1	1.1	1.5	398	378	φ 95	38	10.7	9.5
1.5	1.5	2.0	423	413	φ 95	38	11.8	11.0
1.5	1.5	2.0	448	413	φ 95	38	12.9	11.0
2.2	2.2	3.0	501	448	φ 95	38	15.3	12.6
2.2	2.2	3.0	541	501	φ 95	38	17.4	15.2
—	3.0	4.0	—	526	φ 95	38	—	16.4
—	3.0	4.0	—	551	φ 95	38	—	17.7
—	4.0	5.5	—	581	φ 95	38	—	19.2
—	4.0	5.5	—	616	φ 95	38	—	20.9
—	5.5	7.5	—	672	φ 95	38	—	22.9
—	5.5	7.5	—	712	φ 95	38	—	24.9
—	7.5	10.0	—	762	φ 95	38	—	27.4
—	7.5	10.0	—	812	φ 95	38	—	29.9

Lnthelt:M(S) single phase moto/M(T) three phase motor



PERFORMANCE DATA 50Hz

MODEL	P ₂	Q m ³ /h l/min	DELIVERY										
			0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
1~ 220V/240V	3~ 380V/415V	kw	HP	n ≈ 2850 r/min									
4SDM8/5	4SD8/5	0.55	0.75	31	31	28	26	25	24	21	18	14	9
4SDM8/6	4SD8/6	0.75	1.0	38	37	34	32	30	28	26	22	17	11
4SDM8/7	4SD8/7	0.75	1.0	44	43	40	37	35	33	30	26	20	13
4SDM8/8	4SD8/8	1.1	1.5	50	49	46	42	40	38	34	29	23	15
4SDM8/9	4SD8/9	1.1	1.5	56	55	51	48	45	42	39	33	26	17
4SDM8/10	4SD8/10	1.5	2.0	63	61	57	53	50	47	43	37	28	18
4SDM8/12	4SD8/12	1.5	2.0	75	73	68	63	60	57	51	44	34	22
4SDM8/15	4SD8/15	2.2	3.0	94	92	85	79	75	71	64	55	43	28
4SDM8/18	4SD8/18	2.2	3.0	113	110	103	95	90	85	77	66	51	33
—	4SD8/21	3.0	4.0	131	128	120	111	105	99	90	77	60	39
—	4SD8/24	3.0	4.0	150	147	137	127	120	113	103	88	68	44
—	4SD8/27	4.0	5.5	169	165	154	143	135	127	116	99	77	50
—	4SD8/30	4.0	5.5	188	183	171	158	150	142	128	110	85	55
—	4SD8/34	5.5	7.5	213	208	194	180	170	160	146	124	97	63
—	4SD8/38	5.5	7.5	238	232	216	201	190	179	163	139	108	70
—	4SD8/42	7.5	10.0	263	257	239	222	210	198	180	153	120	78
—	4SD8/46	7.5	10.0	288	281	262	243	230	217	197	168	131	85

Applications

For water supply from wells or reservoirs.
For domestic use for civil and industrial applications.
For water supply from wells or reservoirs.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content:0.25%.
Maximum immersion:80m.
Minimum well diameter: φ 4".

Motor and pump

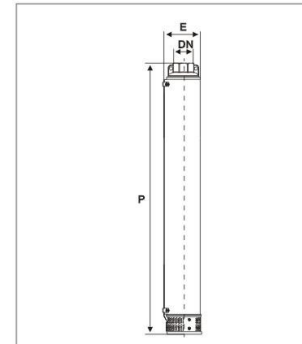
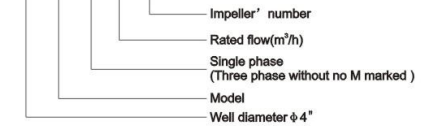
Rewindable motor or Full obturated screen motor.
Three-phase:380V-415V/50Hz
Single-phase:220V-240V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

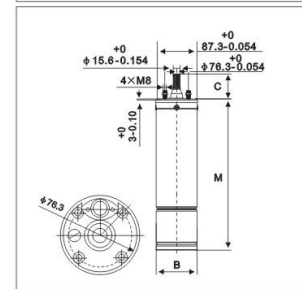
Special mechanical seal
the voltage or frequency 60Hz
Single phase motor with built-in capacitor

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic:PC
Impeller	Plastic:POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045/5410
Bearing	NSK/C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use

4 SD M 10 / 4

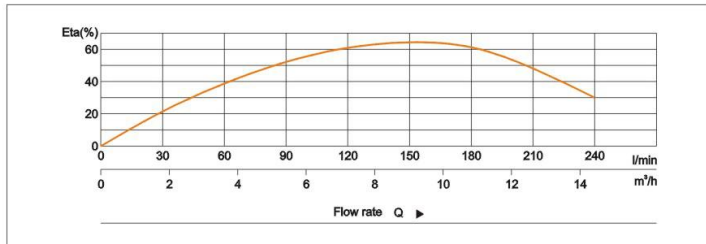
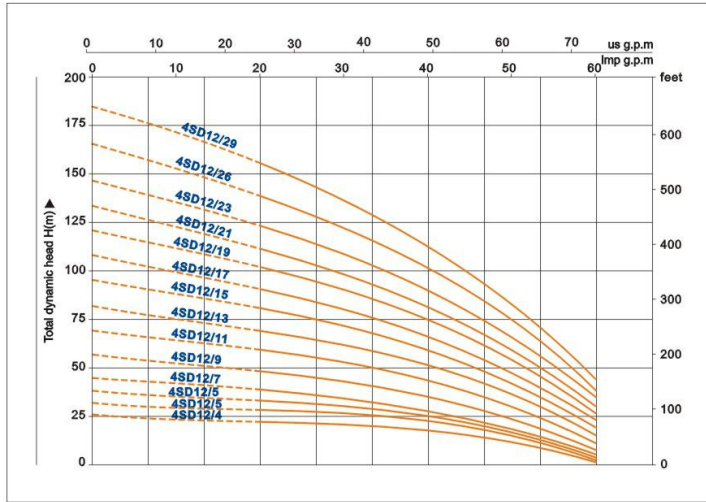


MODEL	P	D N	DIMENSIONS(mm)		WEIGHT(kg)
1~ 220V/240V	3~ 380V/415V	kw	E	P	kg
4SDM10/4	4SD10/4	0.75	100	401	3.5
4SDM10/5	4SD10/5	0.75	100	439	3.8
4SDM10/6	4SD10/6	1.1	100	477	4.1
4SDM10/7	4SD10/7	1.1	100	515	4.4
4SDM10/8	4SD10/8	1.5	100	553	4.6
4SDM10/10	4SD10/10	1.5	100	630	5.2
4SDM10/12	4SD10/12	2.2	100	706	5.8
4SDM10/14	4SD10/14	2.2	100	782	6.4
—	4SD10/16	3.0	100	859	7.0
—	4SD10/18	3.0	100	966	7.8
—	4SD10/20	4.0	100	1043	8.2
—	4SD10/22	4.0	100	1119	8.8
—	4SD10/25	5.5	100	1233	9.7
—	4SD10/28	5.5	100	1348	10.6
—	4SD10/31	7.5	100	1462	11.5
—	4SD10/34	7.5	100	1577	12.3



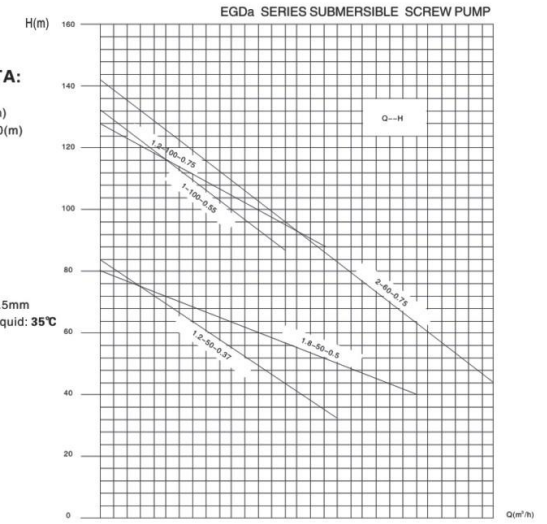
MODEL	P ₂	DIMENSIONS(mm)			WEIGHT(kg)			
1~kw 220V/240V	3~kw 380V/415V	HP	M (S)	M (T)	B	C	M (S)	M (T)
0.75	0.75	1.0	343	343	φ 95	38	8.2	7.9
0.75	0.75	1.0	358	343	φ 95	38	8.9	7.9
1.1	1.1	1.5	378	378	φ 95	38	9.8	9.5
1.1	1.1	1.5	398	378	φ 95	38	10.7	9.5
1.5	1.5	2.0	423	413	φ 95	38	11.8	11.0
1.5	1.5	2.0	448	413	φ 95	38	12.9	11.0
2.2	2.2	3.0	501	448	φ 95	38	15.3	12.6
2.2	2.2	3.0	541	501	φ 95	38	17.4	15.2
—	3.0	4.0	—	526	φ 95	38	—	16.4
—	3.0	4.0	—	551	φ 95	38	—	17.7
—	4.0	5.5	—	581	φ 95	38	—	19.2
—	4.0	5.5	—	616	φ 95	38	—	20.9
—	5.5	7.5	—	672	φ 95	38	—	22.9
—	5.5	7.5	—	712	φ 95	38	—	24.9
—	7.5	10.0	—	762	φ 95	38	—	27.4
—	7.5	10.0	—	812	φ 95	38	—	29.9

Lnthelt:M(S)s single phase moto/M(T)s three phase motor



● **TECHNICAL DATA:**
- Pump
 Capacity from 1 to 2(m³/h)
 Total head from 50 to 100(m)

● **- Motor**
 Power: 0.37 to 0.75 kW
 Insulation class: **B**
 Protection grade: **IP 68**
 Maximum diameter: ϕ 94.5mm
 Highest temperature of liquid: **35°C**



EG D a 2 -60 -0.75

- Motor power(kW)
- Head(m)
- Capacity(m³/h)
- a Stainless steel
- D Single phase motor (Three phase without D)
- EGDa Series submersible screw pump

PERFORMANCE DATA 50Hz

P ₂	P ₂		DELIVERY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	1~	3~	n ≈ 2850 r/min																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	220V/240V	380V/415V	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916	918	920	922	924	926	928	930	932	934	936	938	940	942	944	946	948	950	952	954	956	958	960	962	964	966	968	970	972	974	976	978	980	982	984	986	988	990	992	994	996	998	1000
1.1	1.5	0	30	60	90	120	150	180	210	240	270	26	24	23	22	20	18	16	13	10	6	38	37	34	32	30	27	24	20	15	9	45	43	40	38	35	31	28	23	17	10	57	55	52	48	45	40	35	29	22	13	70	67	63	59	55	49	43	36	27	16	83	79	74	70	65	58	51	43	32	19	96	92	86	81	74	67	59	49	37	22	108	104	97	91	84	76	67	56	42	25	121	116	109	102	94	85	75	62	47	28	134	128	120	113	104	93	83	69	51	30	147	140	132	124	114	102	90	75	56	33	166	159	149	140	129	116	102	85	64	38	185	177	166	156	144	129	114	95	71	42																																																																																																																																																																																																																																																																																																																																																																											

● **PERFORMANCE TABLE:**

rpm:2850 Outlet:G 1"

Type	Size	Motor power		Capacity		Voltage	Max. Dia	Pipe. dia	Dimension
		kW	Hp	m³/h	m				
QGD	1.2-50-0.37	0.37	0.5	1.2	50	220/380	94.5	1	620x140x140
	1.8-50-0.50	0.5	0.7	1.8	50				640x140x140
	1-100-0.55	0.55	0.75	1.0	100				640x140x140
	1.2-100-0.75	0.75	1	1.2	100				720x140x140
	2-60-0.75	0.75	1	2.5	60				700x140x140

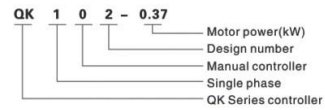
QK102~QK103

QK102~QK103 Series starting controller for single phase motor

TECHNICAL DATA:

● Single phase motor starting controller

Single phase capacitor operating motor is equipped with an external capacitor and a over-load protector in the starting controller which can automatically break down power supply (manual recover)when motor over-loading.



● Suitable application range

- Type of motor:Single phase motor
- Motor power: 0.25~2.2kW
- Voltage: 220~240V-
- Frequency: 50Hz

● Product functions

- Protect against short circuit
- Protect against over current

● Operating method

- Manual control

● Installation environment index

- Grade of protection:IP20
- Environment temperature:-25℃~+55℃
- Environment humidity:(20~90)%RH

Type Single phase 220V~240V~ Hz50	Motor power		Motor Current Max. A	Capacitor 450V μ F	Circuit breaker Current A
	kW	Hp			
QK102-0.25	0.25	0.33	2.1	16.5	3
QK102-0.37	0.37	0.5	2.9	18	4
QK102-0.55	0.55	0.75	4.2	25	5
QK102-0.75	0.75	1	5.4	30	6
QK102-1.1	1.1	1.5	7.7	35	8
QK102-1.5	1.5	2	9.7	45	10
QK103-2.2	2.2	3	15.6	70	16

