

SEWAGE SUBMERSIBLE PUMP



SAVE WATER
SAVE EARTH



INDEX

SERIAL NO.	CONTENT	PAGE NO.
1.	SEWAGE SUBMERSIBLE DEWATERING PUMPS	1 -10
2.	HOME PRESSURE BOOSTER PUMPS	11-14
3.	CENTRIFUGAL MONOBLOCK PUMP	15
4.	SELF PRIMING JET PUMP (SS CASING)	16
5.	HORIZONTAL MULTISTAGE PUMP	17
6.	SWIMMING POOL PUMPS	18
7.	AUTOMATIC PRESSURE CONTROLLER	19
8.	MECHANICAL FLOAT SWITCH	20
9.	ELECTRIC PIPE THREADING	21-22

Sewage Submersible Pump

Submersible Sewage Pump

Type: Single Phase

Power: 0.24 TO 3.0 HP

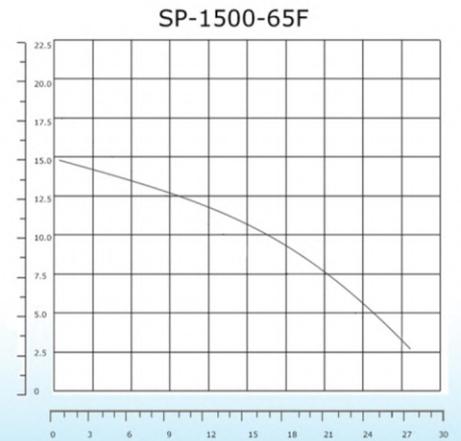
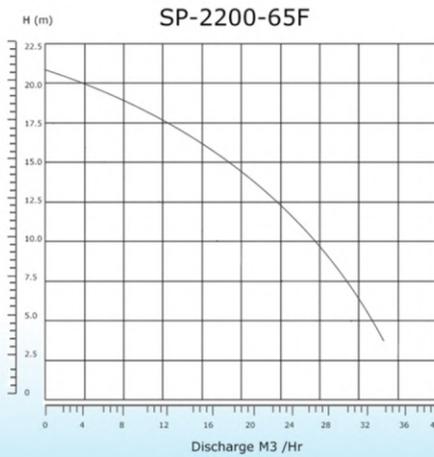
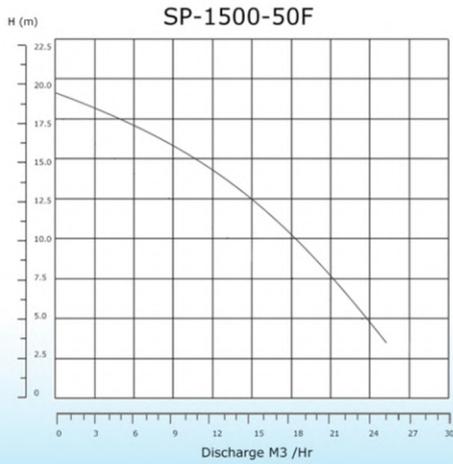
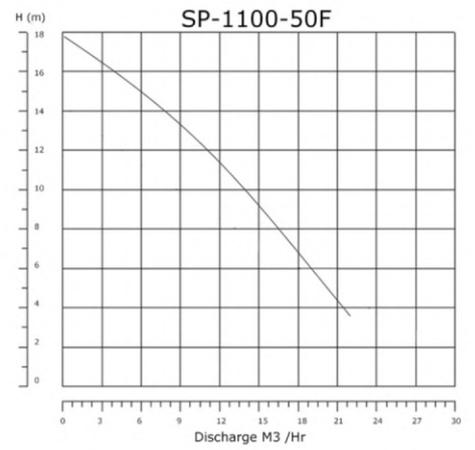
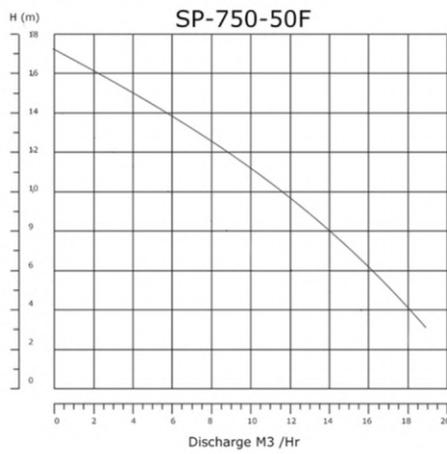
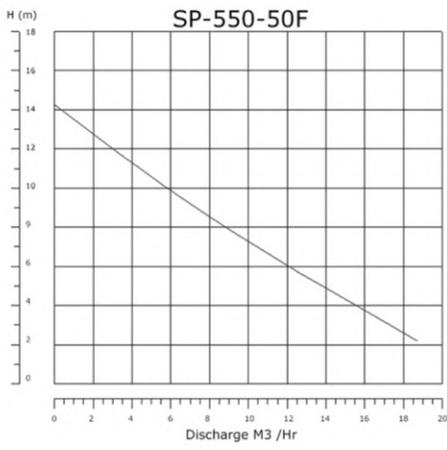


Applications:

1. Mining and Construction
2. Industrial Application
3. Waste water handling
4. Sewage Treatment Plants
5. Hotel and Restaurant
6. Dewatering During Floods.

Features:

1. Open Impeller for Maximum solid Handling
2. Stainless Steel & Cast iron Construction for heavy duty and long life
3. With SKF Bearing inside the Pumps for better Efficiency and life
3. Fitted with Silicon Carbide Mechanical Seal



Model	Rat.flow (m ³ /h)	Max flow (m ³ /h)	Rat head (m)	Max.head (m)	Speed (r/min)	Power (kw)	Volt. (V)	Curent (A)	Outlet Dia. (mm)	Dimension (mm)
SP-550-50F	8	19	8	14	3000	0.55	220	3.8	50	380X265
SP-750-50F	5	20	15	17	3000	0.75	220	5.24	50	400X265
SP-1100-50F	7	22	15	17.5	3000	1.1	220	7.02	50	415X265
SP-1500-50F	12	25	15	19	3000	1.5	220	9.44	50	455X265
SP-1500-65F	25	29	7	14.5	3000	1.5	220	9.44	65	465X260
SP-2200-65F	25	35	12	21	3000	2.2	220	11.9	65	505X275

Submersible Sewage Pump

Type: Three Phase

Power: 2.0HP & 3.0 HP

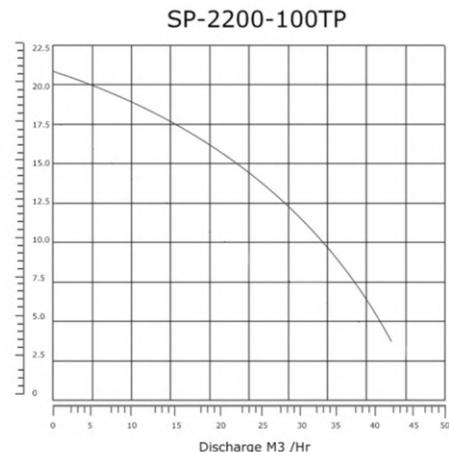
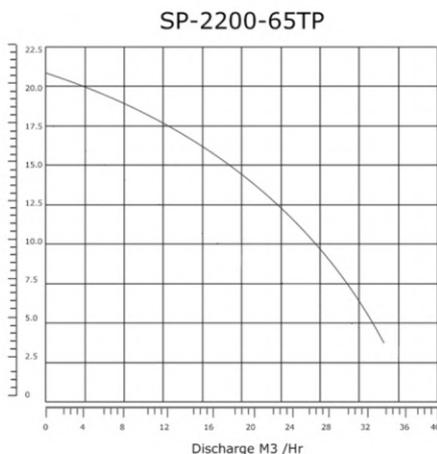
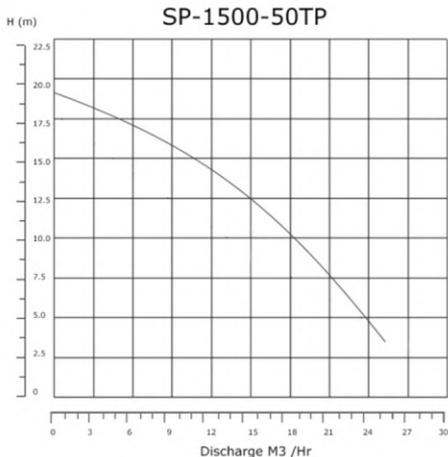


Features:

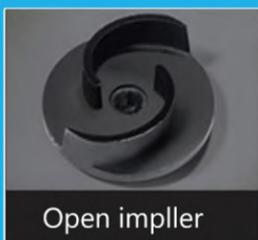
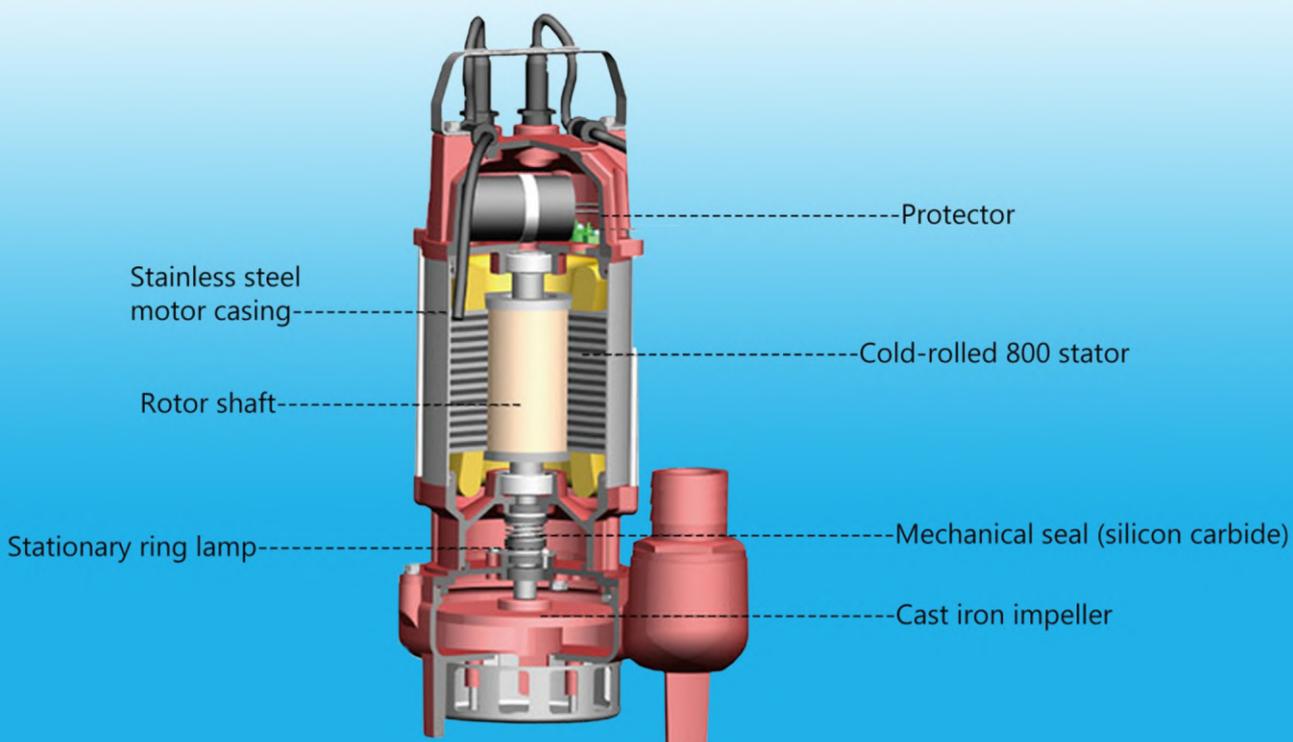
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SP-1500-50TP	12	25	15	19	3000	1.5	380	3.8	50	455x265
SP-2200-65TP	25	35	12	21	3000	2.2	380	5.24	65	505x275
SP-2200-100TP	40	47	7	19	3000	2.2	380	7.02	100	510x320



CUTTER PUMP



304 Stainless steel shaft



7Cr17 Cutting blade



Mechanical seal



Large slot stator winding



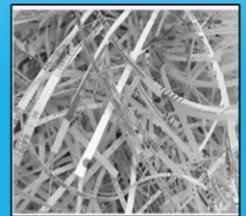
Features

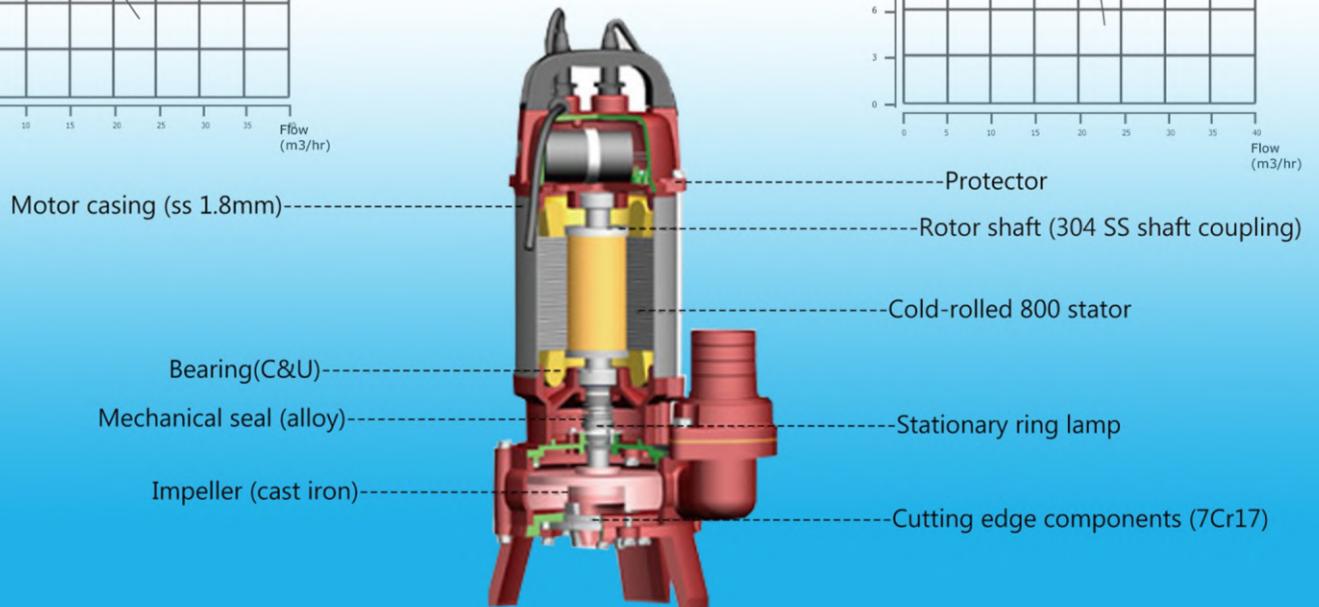
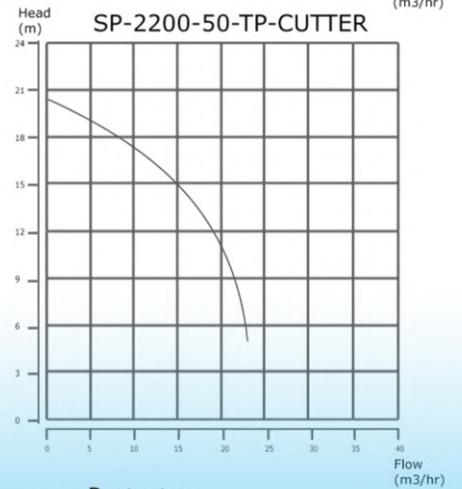
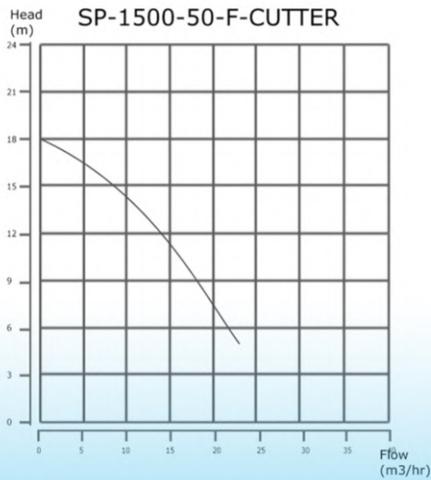
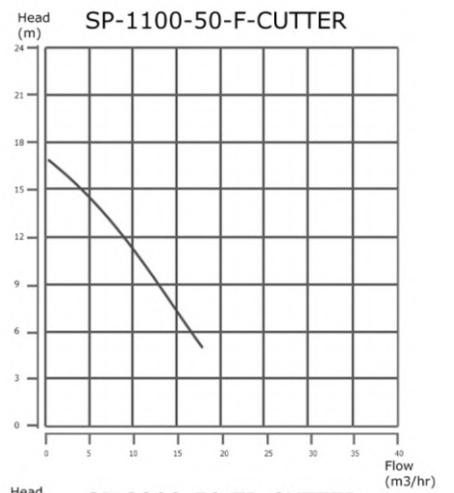
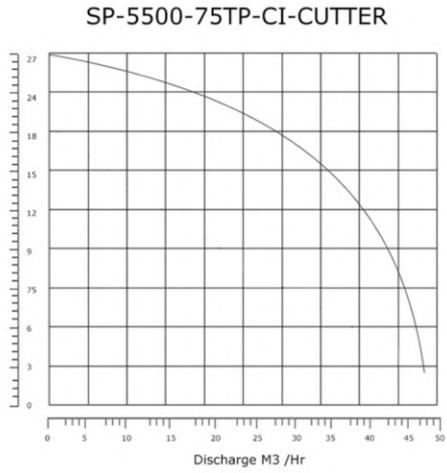
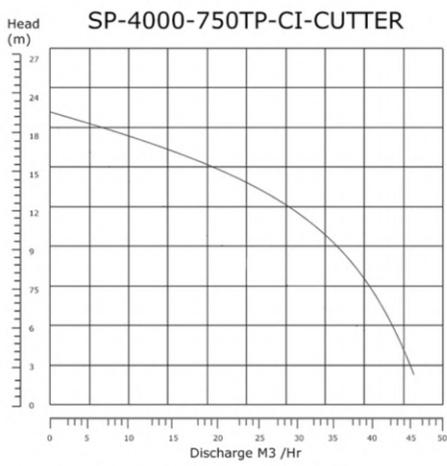
1. hardend impeller is placed in combination with carbon steel blade for high speed cutting, It is able to grind and crush solid content if any

2. Spiral vane is crafted ,for better performance & more efficiency.

3.Rotor shaft adopts stainless steel 304 and steel friction welding operation used for more wear-resistance, & corrosion-resistance. Hence, Life Durability increases.

4.To ensure safe operation effectively. Cavity is equipped with motor protector, so electric pump machine can automatically power off when motor overload the calorific value.





Model	Rat.flow (m /h)	Max flow (m ³ /h)	Rat head (m)	Max.head (m)	Speed (r/min)	Power (kw)	Volt. (V)	Curent (A)	Outlet Dia. (mm)	Dimension (mm)
SP-1100-50-F-CI	10	17	11	16	3000	1.1	220	7.02	50	425x265
SP-1500-50-F-CI	15	23	11	18	3000	1.5	220	9.44	50	475x260
SP-1500-50-TP-CI	15	23	11	18	3000	1.5	380	3.58	50	475x260
SP-2200-50-TP-CI	15	24	15	20	3000	2.2	380	5.11	50	515x275
SP-4000-75TP-CI	40	46	10	22	3000	4	380	8.8	76	645x325
SP-5500-75TP-CI	40	48	16	29	3000	5.5	380	11.7	76	690x325



Submersible Sewage Pump

Type: Single Phase & Three Phase

CI Heavy Duty

Capacity: 1HP TO 30HP

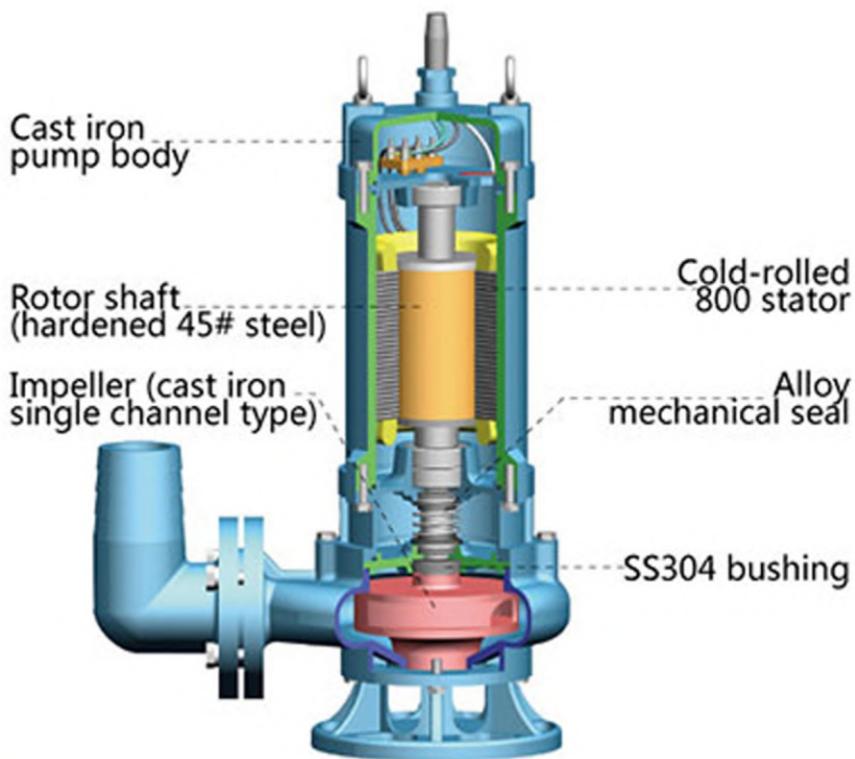


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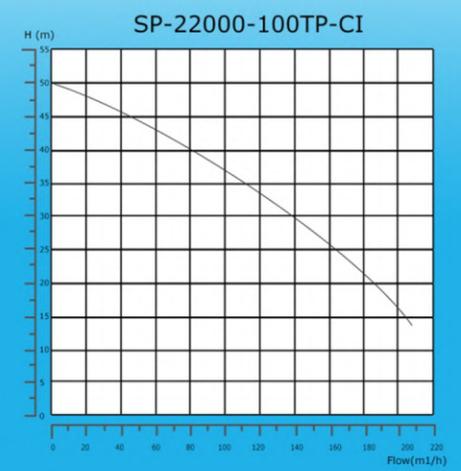
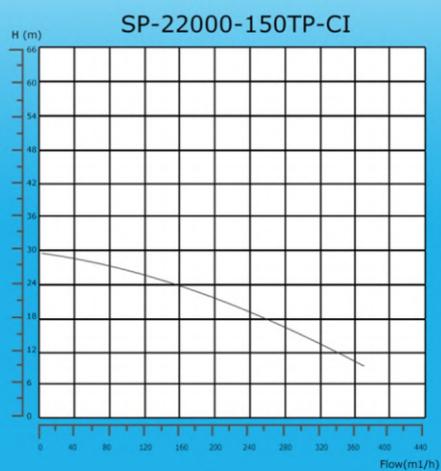
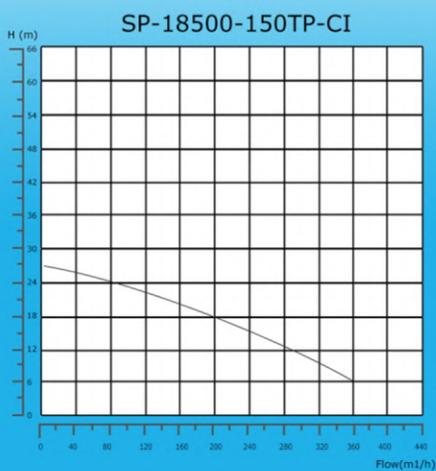
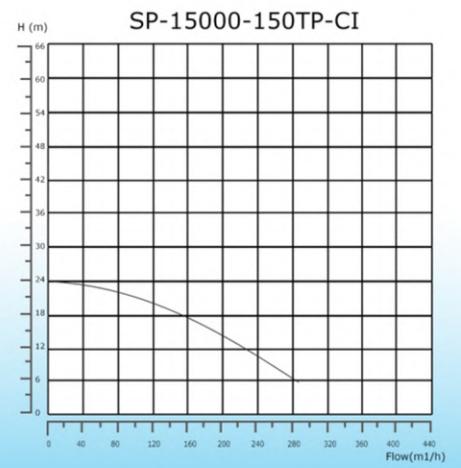
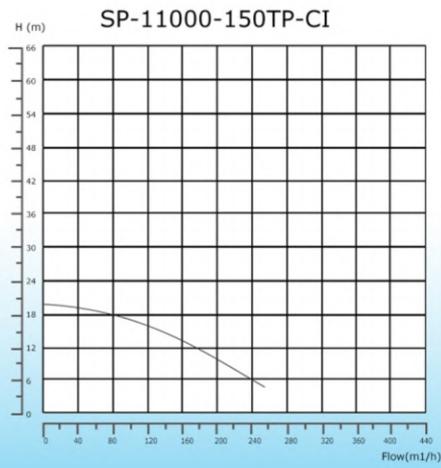
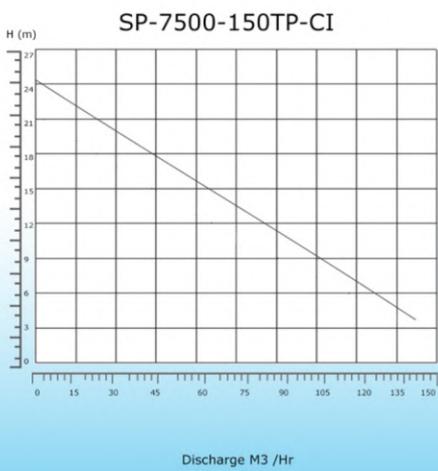
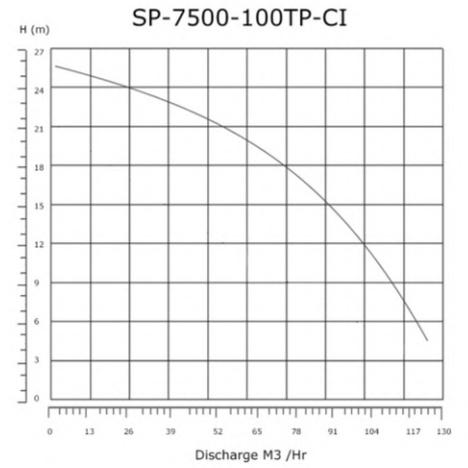
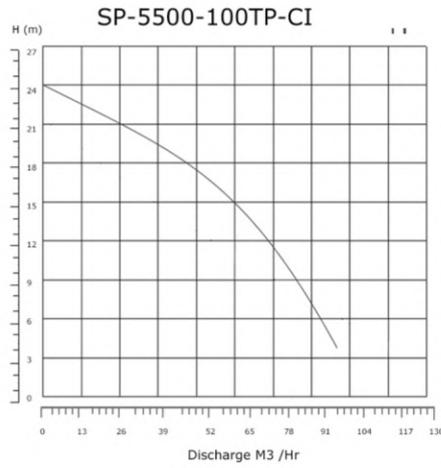
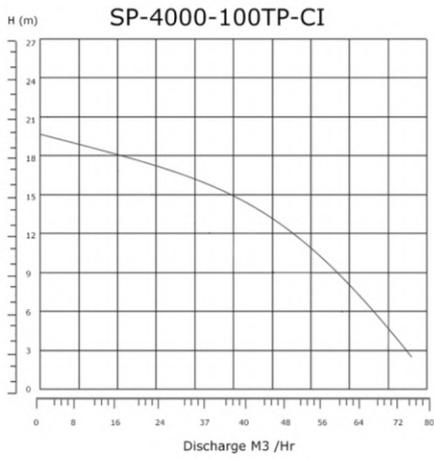
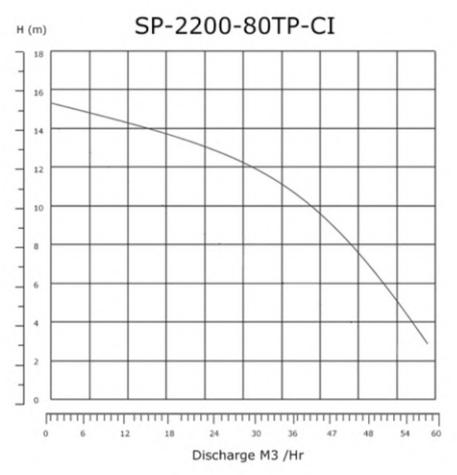
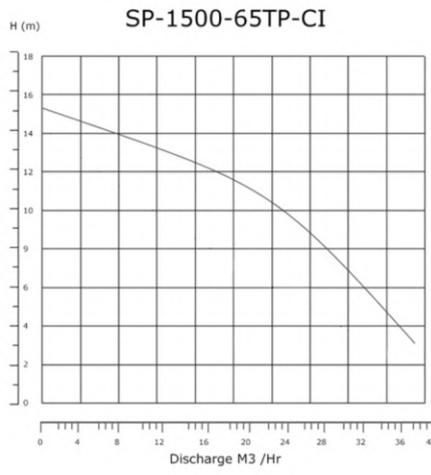
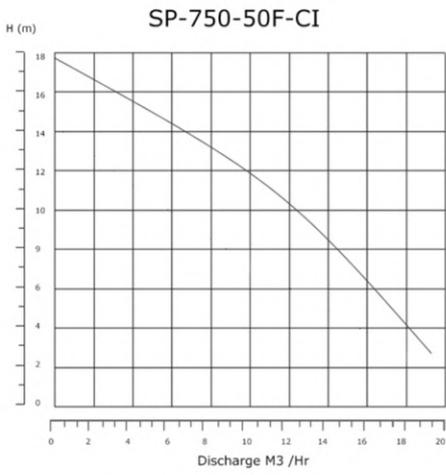
1. Single channel Impeller for Maximum soild Handling
2. Rugged Cast iron Construction for heavy duty and long life
3. With SKF Bearing inside the Pumps Efficiency and life increasesese
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Applications:

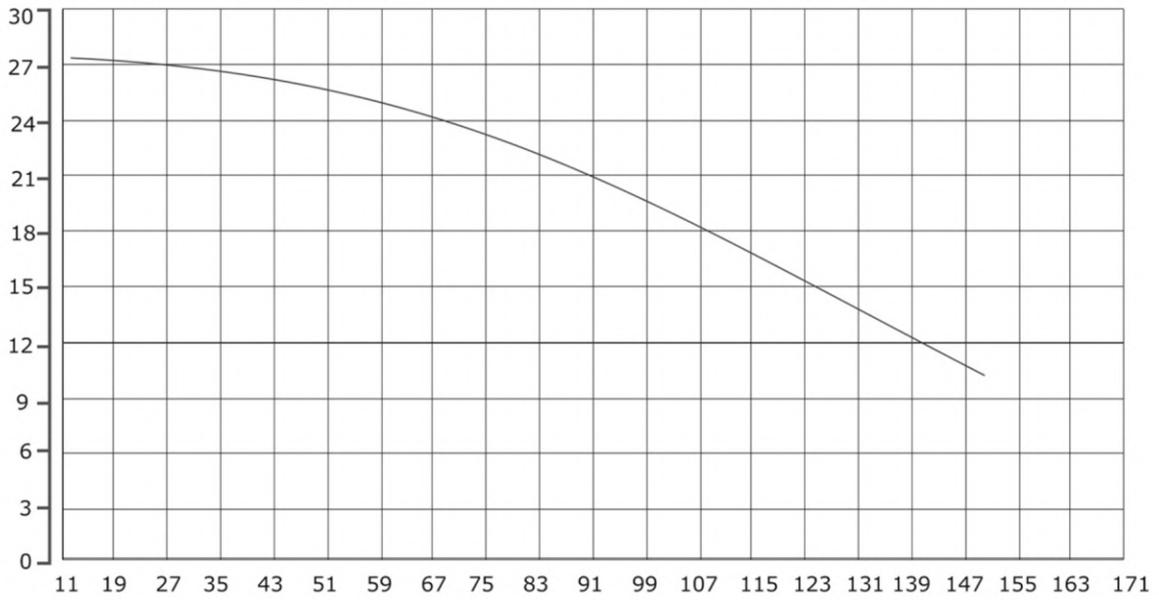
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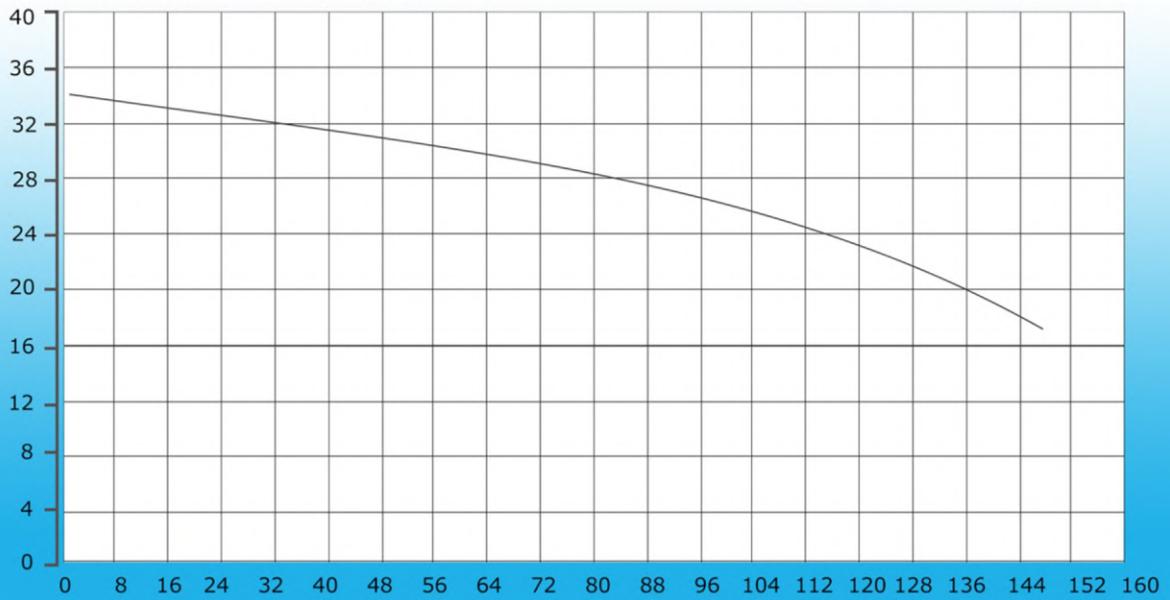
Model	Rat.flow (m ₃ /h)	Max flow (m ₃ /h)	Rat head (m)	Max.head (m)	Speed (r/min)	Power (kw)	Volt. (V)	Curent (A)	Outlet Dia. (mm)	Dimension (mm)
SP-750-50F-CI	18	20	12	14.5	3000	0.55	220	4.07	50	410x250
SP-1500-65TP-CI	25	39	10	15	3000	1.5	380	3.58	65	530x390
SP-2200-80TP-CI	45	60	9	15	3000	2.2	380	5.11	80	575x425
SP-4000-100TP-CI	60	78	10	20	3000	4	380	8.8	100	675x470
SP-5500-100TP-CI	65	100	15	24	3000	5.5	380	11.7	100	675x470
SP-7500-100TP-CI	65	127	20	26	3000	7.5	380	15.7	100	730x520
SP-7500-150TP-CI	100	145	10	24	3000	7.5	380	15.7	150	745x575
SP-11000-100TP-CI	100	147	25	27	1450	11	380	23.8	100	945X680
SP-11000-150TP-CI	180	260	11	19	1450	11	380	23.8	150	960X780
SP-15000-100TP-CI	100	148	30	34	1450	15	380	31.7	100	980X680
SP-15000-150TP-CI	180	300	15	22	1450	15	380	31.7	150	1060X680
SP-18500-100TP-CI	100	135	35	42	1450	18.5	380	38.7	100	1060X680
SP-18500-150TP-CI	180	350	20	25	1450	18.5	380	38.7	150	1110X780
SP-22000-100TP-CI	100	210	40	49	1450	22	380	44.9	100	1110X680
SP-22000-150TP-CI	200	370	22	28	1450	22	380	44.9	150	1110X780



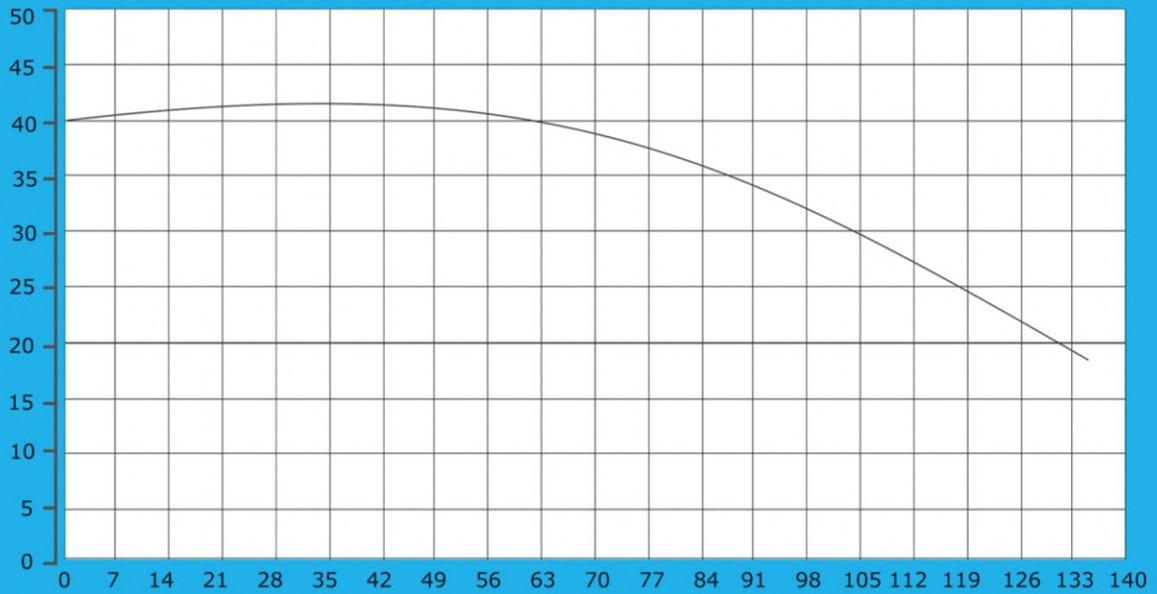
H(m) **SP-11000-100-TPCI**



H(m) **SP-15000-100-TPCI**



H(m) **SP-18500-100-TPCI**



Superforce: self-priming cold-hot water pump

Home Pressure Booster Pump

Features:

1. First type appearance, novel design, well-known appearance
2. Pumps with self-priming function, just in use for the first time the pump cavity filled with water, no water injection again can be used in the future
3. Pumps are equipped with flow switch, pressure sensor of automatic control system, intelligent control electric pump switch, household water tanks may be removed, save time more energy efficient, more healthy
4. Pumps embedded stainless steel parts, the structure of the reasonable configuration, make the pumps is not easy to rust, the optimized flow, running more stable, more quiet.
5. Whole series of rotor using 304 stainless steel and 45 steel friction welding and become, more wear-resisting, more resistant to corrosion
6. Pumps complete series is equipped with thermal overload protection system, when the motor overload calorific value automatically disconnect the power supply, ensure the safe operation effectively.



Working Condition:

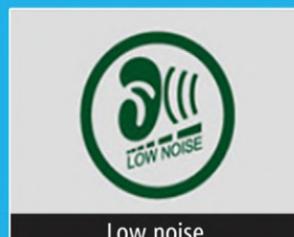
1. Max. Fluid temperature: +80c.
2. Fluid PH value: 6.5-8.5.
3. Max. solid impurity: 0.1%, max. particle size: 0.2mm.
4. Supply frequency: 50HZ,
5. Supply voltage : 220v/380v. +10% of the rating voltage fluctuation range.



Stainless steel inlet with filter



Thicken motor casing



Low noise

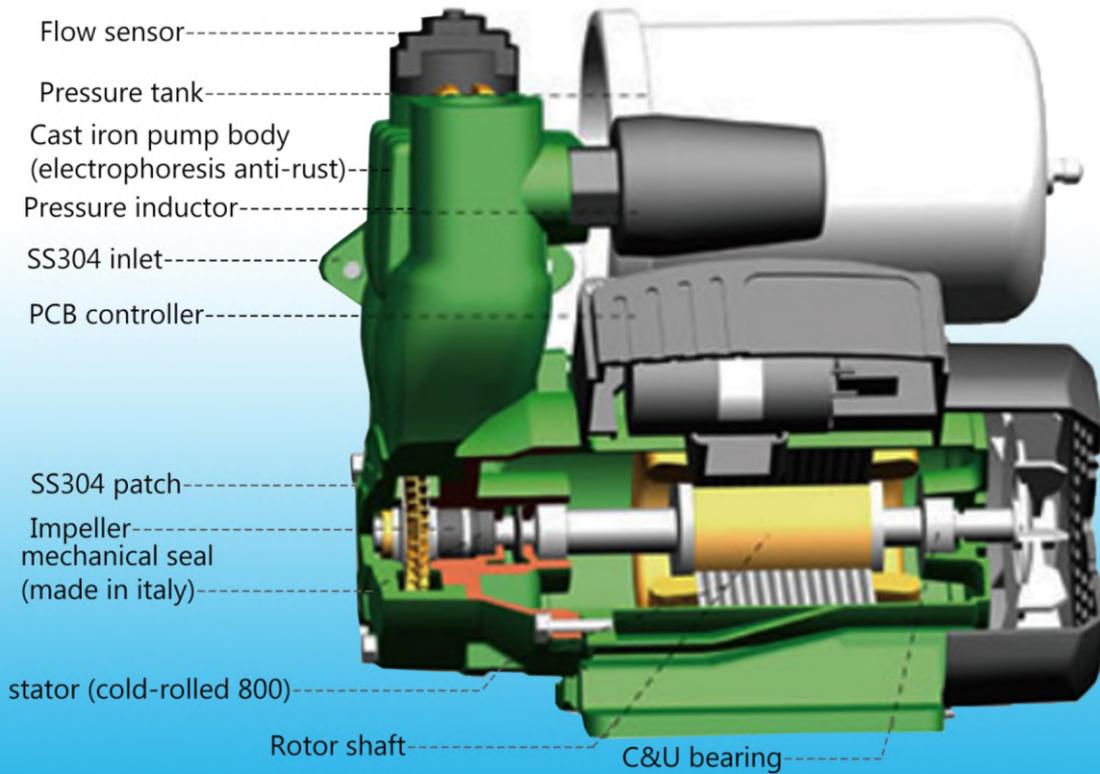


Intelligent control system



Superforce: self priming cold-hot water

Home Pressure Booster Pump



Model	Rat.flow	Max flow	Rat head	Max.head	Speed	Power (kw/hp)	Volt.	Curent	Outlet Dia.	Dimension
Superforce 400	1.2	2.5	17	35	3000	0.4 /0.55	220	2.7	25	270X190X255
Superforce 800	2	3.5	25	50	3000	0.8/1.1	220	5.15	25	300X205X275

CAHA 220

Home Pressure Booster Pump



- Intelligent
- Self-priming
- Cycle
- Pressure boost
- Automatic On & Off

Applicable temperature at 0-100 degree centigrade

Performance Chart

Type	Power w	Maximum pump lift m	Maximum flow rate m ³ /h	Pump rotate speed r /min	Pipe inner mmm	Electric parameters V/50Hz
CAHA220	220	20	2	2860	1/2"	180V-230V

Switch mode : I - Auto mode, o - Off mode, II - Manual mode

Product Description ►

Quality Characteristic : Low noise, High flow, high efficiency, stable operation, strong self-priming ability and lift.

Application: This series of products are widely used in tap water pressurization and are also the preferred choice for supercharging of solar energy, air energy, water heater, central air-conditioning, central heating and circulatory system.

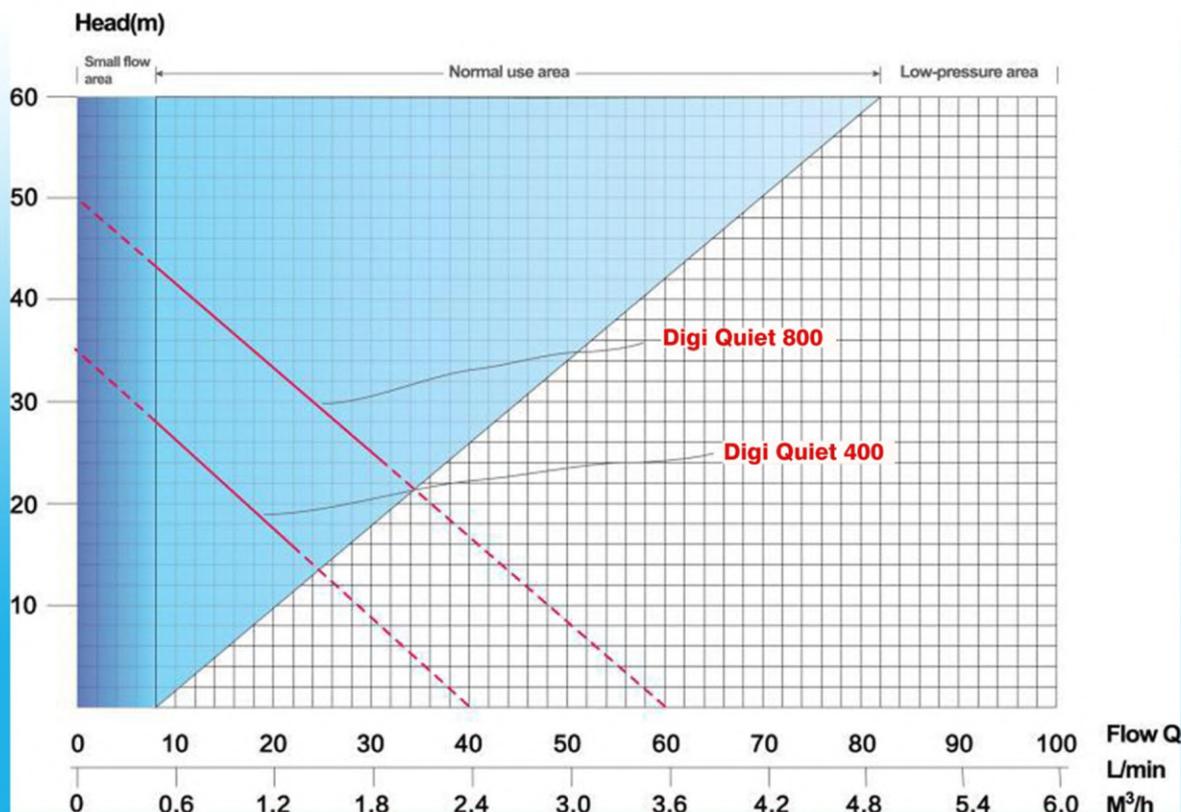
Advantage: It has a certain self-suction, automatic start- stop, manual start- stop.

DIGI QUIET : Self priming cold-hot water

DIGI SILENT Home Pressure Booster Pump

Working Conditions :

1. The liquid temperature range 0-100°C
2. The liquid PH between 6.5-8.5
3. Suction lift: 8m
4. Solid particle density in liquid less than 0.1% and size under 0.2mm
5. Frequency 50Hz/60Hz, Voltage 220V/380V±10%
6. Drain off remaining water in pump body to protect pump from freezing and cracking damage once the environment temperature below 0°C
7. Make sure the pipe system is air tight and no leakage in order to keep automatic self-priming pump function work normally.



Model	Power (kW / HP)	Max flow	Max Head	Rated flow	Rated head	Pipe Size
DIGI QUIET-400	0.4 / 0.55	2.0m³/h	35m	1.0m³/h	15m	25mm
DIGI QUIET-800	0.8 / 1.1	3.5m³/h	45m	1.5m³/h	28m	25mm

Hot & Cold Water Centrifugal Monobloc Pump :

1. The liquid temperature range 0-100 C
2. The liquid pH between 6.5-8.5
3. Solid particle density in liquid less than 0.1% and size under 0.2mm
4. Power 50Hz 220V± 10%
5. Drain off remaining water in pump body to protect pump from freezing and cracking damage once the environment temperature below 0c

Applications:

- ▶ Suitable for solar powered hot water circulation.
- ▶ Garden irrigation and hotel.
- ▶ Family and villa water pressure boost.

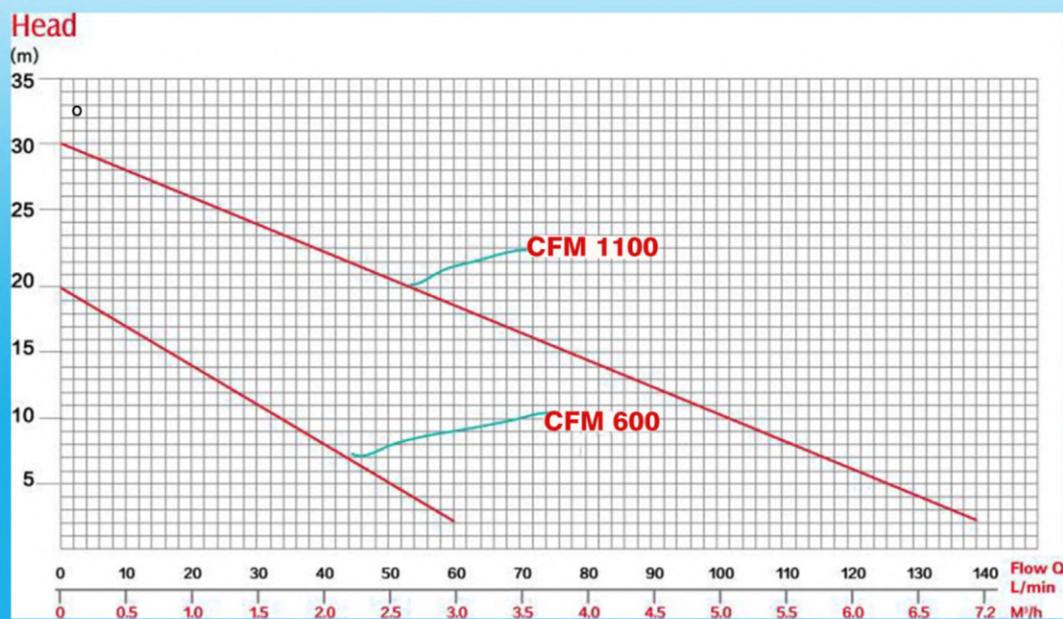


Pump:

Pump Body: Cast iron with special Anti-rust treatment
 Impeller: S.S 304
 Shaft: S.S 304 Welding Shaft
 Max.Liquid Temperature : 100 C

Motor:

Bearing: High Precision
 Stator:Copper
 Motor: Single Phase motor with TOP device
 Mechanical seal made by Meccano Italy
 Insulation Class:F
 Protection Class : IP 44



Model	Volt. (V)	Power (kW / HP)	Current (A)	Max. Head	Max Flow	Rated Head	Rated Flow	Pipe Size
CFM-600	220V	0.6kW / 0.8HP	3.0A	20M	6.0m³/h 100L/min	10m	3.0m³/h 50L/min	25mm
CFM-1100	220V	1.1kW / 1.5HP	7.7A	30M	14.0m³/h 233L/min	20m	5.1m³/h 85L/min	40mm

Note: Performance figure given above are approximate and differ on site conditions.

SELF PRIMING JET PUMP (SS CASING)



FEATURES

Single Phase Motors
 Insulation Class : B
 Protection Class : IP44
 Impeller Type :Stainless Steel
 Shaft : Stainless Steel

APPLICATIONS

Circulation in HVAC system
 Domestic water supply, booster system
 Agricultural, and Horticultural sprinkler irrigation
 In cleaning system for industrial production lines in all fields

OPERATION CONDITIONS

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

Model	Single Phase Motor (KW/HP)	Suc X Del (MM)	Discharge						
			(m ³ /hr)	0.5	1	1.5	2	2.5	3.2
			LPM	8	17	25	33	42	50
JETST-60	0.46/0.6	25x25	HEAD IN METER	33	27	24	10	5	-
JETST-80	0.60/0.8	25x25	HEAD IN METER	40	34	27	23	10	-
JETST-100	0.75/0.1	25x25	HEAD IN METER	41	38	28	26	19	10

HORIZONTAL MULTISTAGE PUMP (SS CASING)



FEATURES

Single Phase Motors
 Insulation Class : F
 Protection Class : IP55
 Impeller Type :Stainless Steel

APPLICATIONS

Boiler Feed Application
 Raw Water Feed Application in Raw Plants Etc
 Pressure Boosting And Air-Conditioning System Application

OPERATION CONDITIONS

Thin, Clean, Non-Flammable And Non-Explosive Liquid
 Containing No Solid Granules And Fiber.

Model	Single Phase Motor (KW/HP)	Suc X Del (MM)	Discharge						
			(m3/hr)	0.5	1	2	3	4	5
			LPM	8	17	33	50	67	83
SMH-370	0.37/0.5	25x25	HEAD IN METER	28	25	20	10	-	-
SMH-750	0.75/1	25x25	HEAD IN METER	48	43	36	22	8	-
SMH-1500	1.10/1.5	25x25	HEAD IN METER	60	57	50	40	25	15

FILTER CENTRIFUGAL PUMP FOR SWIMMING POOL



FEATURES

- Single Phase Motors
- Insulation Class : B
- Protection Class : IP44
- Impeller Type : Techno-Polymer
- Shaft : Stainless Steel
- Cooling : External Ventilation

APPLICATIONS

Swimming Pool Water Re-Circulation

OPERATION CONDITIONS

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

Model	Single Phase Motor (KW/HP)	Suc X Del (MM)	HEAD IN METER	Discharge						
				(m3/hr)	4	8	12	20	28	32
				LPM	67	133	267	333	467	533
SSP-750	0.75/1.00	40x40		14	12	9	-	-	-	
SSP-1500 / SSP -1500-TP	1.50/2.00	40x40		16	19	14	11	-	-	
SSP-2200 / SSP-2200- TP	2.20/3.00	40x40		20	19	18	17	12	7	

PROFESSIONAL

- Omran make relay made in indonesia
- Suitable for hot water up to 45 degree



SP-PC-13A



SP-PC-10B



SP-PC-10A



SP-PC-13B

AUTOMATIC PRESSURE CONTROL



PC-12B



PC-12A



SP-PC-16B

Mechanical Switch & Float Switch



SP-PC-9A

Technical data :

- * Pressure Range:20-80psi
- * Pressure Setting:20-40psi、 30-50psi、 40-60psi
- * Rated Current:12A
- * Rated Voltage:110V-220V
- * Frequency:50 HZ
- * Max working temperature: 40°C
- * Protection rating: IP54



SP-PC-2

Technical data:

- * Pressure Range:20-80psi
- * Pressure Setting:20-40psi、 30-50psi、 40-60psi
- * Rated Current:12A
- * Rated Voltage:110V-220V
- * Frequency:50 HZ
- * Max working temperature: 40°C
- * Protection rating:IP54



SP-PC-8

Detailed product description:

- * Rated Voltage:AC 125/250V
- * Max Current:AC 16(6)A
- * Frequency: 50 HZ
- * Max Operating Temperature :80℃
- * Protection Grade:IP68
- * With weight count



ELECTRIC PIPE THREADING

PIPE THREADER Z1T-R2(C,

PIPE THREADER (Z1T-R3III, 1/2"-3"

PIPE THREADER (Z1T-R4III, 1/2"-4",

PIPE THREADER (Z3T-R6, 2.1/2"-6",

Model	Z1T-R2(C	Z1T-R3III	Z1T-R4III	Z3T-R6
Pipe Capacity	1/2" - 2"	1/2" - 3"	1/2" - 4"	1/2" - 6"
Thread	BSPT	BSPT	BSPT	BSPT
Power	750W	750W	750W	750W
Speed	28RPM	19/27RPM	19/27RPM	19/27RPM
Voltage	230Volts	230Volts	230Volts	415Volts
Frequency	50Hz	50Hz	50Hz	50Hz
Switches	ON/OFF and safety foot switch optional			
Oil pump	Gerotor oil pump	Gerotor oil pump	Gerotor oil pump	Gerotor oil pump
Gross/ nett wt	78/65kg	130/110kg	150/135kg	220/200kg
Packing size	750X480X560mm	950X590X560mm	1000X630X620mm	1100X700X700mm

*Pictures for illustration only

*Shape,Size,Colour,Appearance of product may differ from pictures

*Spare parts Available on Request



SPARTA

Powerful Pumps Good Performance
