



# DESH KA PUMP. SHAKTI PUMP.



## PRODUCT PROFILE

Submersible Pumps & Motors | Pressure Booster Pumps  
End Suction Pumps | Openwell Pumps | Self Priming Pumps  
Immersible Pumps | Vertical multistage Centrifugal Pumps  
Sewage Pumps | Solar Pumps



Dec./2014-15/L2/500 VC : SAP NO. 2900000798

India : Toll Free No. 1800 103 5555 Other Countries : +91-7292 410500

## SHAKTI PUMPS (I) LTD.

Sector - 3, Pithampur - 454774, Dist.- Dhar (M.P.) - INDIA  
Fax: +91-7292-407044, E-mail : info@shaktipumps.com, sales@shaktipumps.com,  
Visit us at : www.shaktipumps.com

## CONTENT

	<b>PAGE NO.</b>
Vision Mission & Quality Policy.....	01- 02
<b>Stainless Steel Submersible Pumps</b>	
V4, V6, V8 Series .....	03
V9, V10, V12 Series .....	04
<b>Submersible Motors</b>	
V4 Premium, V4 MCIP, V6 SML Series .....	05
V6 MTSF, V8 MTSF, V10 MTSF Series .....	06
<b>Pressure Booster Pumps</b>	
SH/ SHI/ SHN, SCM, SJP Series .....	07
<b>End Suction Pumps</b>	
SNK, SNB Series and SHAHENSHAH .....	08
<b>Openwell Pumps</b>	
SHOS M, SOMB Series .....	09
<b>Self Priming Pumps</b>	
CRP Series .....	09
<b>Immersible Pumps</b>	
SMTR Series .....	10
<b>Vertical Multistage Centrifugal Pumps</b>	
SCR/ SCRI/ SCRN Series .....	10
<b>Sewage Pumps</b>	
SVX Series .....	11
<b>Solar Pumps</b>	
Solar Series .....	12



## VISION

To become a company that constantly strives for quality and customer satisfaction by providing best pumping solutions with global benchmarks. To excel with an emphasis on best business and ethical practices with strong organizational values justifying the interests of all stakeholders.

## MISSION

To work relentlessly towards coming closer to our vision statement by offering best working environment and training so as to focus on integrity and ethics. To empower the workforce to offer products and services that exceed customer expectations by providing value for money and ensuring handsome returns to our employees and shareholders thereby contributing to our mission to cross 1 \$ billion mark by 2021.

## QUALITY POLICY

Shakti Pumps (I) Ltd. is committed to achieve total customer satisfaction by, manufacturing high quality pumps with global benchmark meeting customer expectations, providing timely supply and excellent services to our customers through team work & continual improvement. We are also committed to the environment protection, health, safety & welfare of our employees, & meeting expectations of other interested parties including the society.

We shall strive to maintain high degree of goodwill and brand image to emerge as a market leader in domestic as well as in international market.



MAIN PLANT



SEZ UNIT



SUBMERSIBLE PLANT

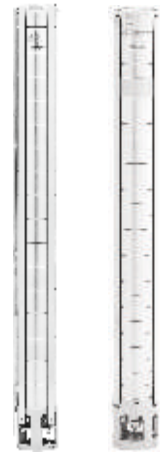


CED COATING PLANT



BOOSTER & OPENWELL / MONOBLOCK PLANT

# STAINLESS STEEL SUBMERSIBLE PUMPS



## V4 Submersible Pumps (QF 2 – QF 25)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - SS 304 (Optional SS 316)
  - Diffuser - SS 304 (Optional SS 316)
  - Shaft - SS 316

4 inch/100 MM Well Size

**SPECIFICATION**

Model No.	QF 2	QF 5	QF 6	QF 12	QF 20	QF 25
Head Range (Mtr)	13-530	12-365	9-510	12-620	18-180	14-165
Flow Range (M <sup>3</sup> /hr)	2.8-1	4.4-1	6.7-1	11-1.4	12-2	18-6
Outlet Size (Inches)	1.25	1.25	1.5	2	2	2

## V6 Submersible Pumps (QF 10 – QF 100)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - SS 304 (Optional SS 316)
  - Diffuser - SS 304 (Optional SS 316)
  - Shaft - SS 316

6 inch/150 MM Well Size

**SPECIFICATION**

Model No.	QF 10	QF 15	QF 30	QF 50	QF 75	QF 100
Head Range (Mtr)	4-450	6-450	4-660	3-620	1-500	1-420
Flow Range (M <sup>3</sup> /hr)	18-2	18-2	22-2	39-4	59.8-5	78-10
Outlet Size (Inches)	2.5	2.5	2.5	3	3, 4	3, 4

## V8 Submersible Pumps (QF 125 – QF 160)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - SS 304 (Optional SS 316)
  - Diffuser - SS 304 (Optional SS 316)
  - Shaft - SS 316

8 inch/200 MM Well Size

**SPECIFICATION**

Model No.	QF 125	QF 160
Head Range (Mtr)	7-440	6-420
Flow Range (M <sup>3</sup> /hr)	100-10	122-10
Outlet Size (Inches)	5	5

## V9 Submersible Pumps (QF 210 – QF 270)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - SS 304 (Optional SS 316)
  - Diffuser - SS 304 (Optional SS 316)
  - Shaft - SS 316

10 inch/250 MM Well Size

**SPECIFICATION**

Model No.	QF 210	QF 270
Head Range (Mtr)	5-500	3-480
Flow Range (M <sup>3</sup> /hr)	162-60	208-80
Outlet Size (Inches)	6	6

## V10 Submersible Pumps (QF 360)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - SS 304 (Optional SS 316)
  - Diffuser - SS 304 (Optional SS 316)
  - Shaft - SS 316

12 inch/300 MM Well Size

**SPECIFICATION**

Model No.	QF 360
Head Range (Mtr)	3-430
Flow Range (M <sup>3</sup> /hr)	280-90
Outlet Size (Inches)	6

## V12 Submersible Pumps (SSP 270 – SSP 360)

- APPLICATIONS**
- Irrigation, Domestic water supply
  - Fountains, Industrial water supply
  - Pressure boosting units, Ponds
  - Gardens, Sprinkler Systems and Mining

- FEATURES**
- High operating efficiency
  - Highly durable & hygienic
  - Good resistance to sand
  - Can be easily dismantled and repaired
  - Can handle upthrust load

- MOC**
- Impeller - Bronze
  - Diffuser - Cast Iron
  - Shaft - SS 316

14 inch/360 MM Well Size

**SPECIFICATION**

Model No.	SSP 270	SSP 300	SSP 360
Head Range (Mtr)	10-405	10-335	15-285
Flow Range (M <sup>3</sup> /hr)	320-40	360-40	440-40
Outlet Size (Inches)	DIN 175	DIN 175	DIN 175



# SUBMERSIBLE MOTORS



## V4 Premium Series (Encapsulated Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Shaft made of Stainless Steel (Special Grade)
- Industry Standard NEMA mounting dimensions
- Sand Slinger Protection

### SPECIFICATIONS

Nominal Dia. : 4 inch  
 Power range : 0.37 kW-2.2 kW (0.50hp-3 hp) (Single Phase)  
 : 0.37-7.5kW(0.5-10hp) (Three Phase)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 230V, 50Hz & 60Hz (Single Phase)  
 : 380/400/415 V, 50 Hz 230/460 V, 60 Hz (Three Phase)  
 : Direct On Line (DOL)  
 Thrust Rating : 1500-6500 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Class of Insulation : B  
 Maximum Liquid Temperature : 30 °C

## V4 MCIP Series (Water Filled Rewindable Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Shaft made of Stainless Steel (Special Grade)
- Water cooled rewindable motor
- Can be easily dismantled and repaired
- Industry Standard NEMA mounting dimensions
- Sand Slinger Protection

### SPECIFICATIONS

Nominal Dia. : 4 inch  
 Power range (kW) : 0.37-3.7 kW (0.5 -5 hp) (Single Phase)  
 : 0.37-5.5 kW (0.5 - 7.5 hp) (Three Phase)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 230 V, 50 Hz & 60 Hz (Single Phase)  
 : 380/400/415 V, 50 Hz 230/460 V, 60 Hz (Three Phase)  
 : Direct On Line (DOL)  
 Thrust Rating : 1500-6500 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Maximum Liquid Temperature : 30 °C

## V6 SML-CI Series (Water Filled Rewindable Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Water cooled rewindable motor
- Can be easily dismantled and repaired
- Industry Standard NEMA mounting dimensions

### SPECIFICATIONS

Nominal Dia. : 6 inch  
 Power range (kW) : 2.2-18.5 kW (3.0-25 hp)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 380/400/415 V, 50 Hz 230/460 V, 60 Hz  
 Thrust Rating : 15500 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Maximum Liquid Temperature : 30 °C

## V6 MTSF-CI & SS304 Series (Water Filled Rewindable Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Water cooled rewindable motor
- Can be easily dismantled and repaired
- Industry Standard NEMA mounting dimensions with Studs (M 12)
- Cable Material according to drinking water regulations
- Sand Slinger and shaft seal for high performance in sand
- Design for retrofittable PT 100 Sensor
- Mech. Seal : Sic vs Sic / Optional

### SPECIFICATIONS

Nominal Dia. : 6 inch  
 Power range (kw) : 2.2-37 kW (3.0-50 hp)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 380/400/415 V, 50 Hz 230/460 V, 60 Hz  
 Thrust Rating : 15500 N - 27500 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Maximum Liquid Temperature : 30 °C

### OPTIONAL :

- PE2/PA winding insulation for max. ambient temp. of 50 °C at the same cooling conditions as standard

## V8 MTSF 200 Series (Water Filled Rewindable Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Water cooled rewindable motor
- Can be easily dismantled and repaired
- Industry standard NEMA mounting dimensions
- Cable material according to drinking water regulations
- SIC shaft seal for maximum sand protection
- Optional PT 100 Sensor
- Easy to mount with double flange
- Mech. Seal : Sic vs Sic/ Optional

### SPECIFICATIONS

Nominal Dia. : 8 inch  
 Power range (kW) : 22-93 kW (30-125 hp)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 380/400/415 V, 50 Hz 230/460 V, 60 Hz  
 Thrust Rating : 45000 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Maximum Liquid Temperature : 30 °C

### OPTIONAL :

- PE2/PA winding insulation for max. ambient temp. of 50 °C at the same cooling conditions as standard

## V10 MTSF 250 Series (Water Filled Rewindable Motors)

### APPLICATIONS

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for Irrigation, Domestic water supply, Fountains, Industrial water supply, Pressure boosting units, Ponds, Gardens, Sprinkler Systems and Mining.

### FEATURES

- High operating efficiency and lesser power Consumption
- Water Cooled Rewindable motor
- Easy to mount with double flange
- Can be easily dismantled and repaired
- Cable material according to drinking water regulations
- Sand slinger and SIC shaft seal for maximum sand protection
- Optional PT 100 Sensor
- Non-contaminating FES 93 filling
- Mech. Seal : Sic vs Sic/ Optional

### SPECIFICATIONS

Nominal Dia. : 10 inch  
 Power range (kW) : 85-185 kW(116-252 hp)  
 Speed : 2850 RPM, 50 Hz & 3450 RPM, 60 Hz  
 Versions : 380/400/415 V, 50 Hz 230/460 V, 60 Hz  
 Thrust Rating : 60000 N  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 68  
 Maximum Liquid Temperature : 30 °C

### OPTIONAL :

- PE2/PA winding insulation for max. ambient temp. of 45 °C at the same cooling conditions as standard

### DOMESTIC WATER PRESSURE BOOSTER PUMPS



#### SH, SHI, SHN Series

##### APPLICATIONS

- Suitable for liquid transfer
- Small industrial water supply systems
- Washing systems
- HVAC
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feed systems
- Pressure boosting systems
- Domestic water supply
- Horticultural irrigation systems

##### FEATURES

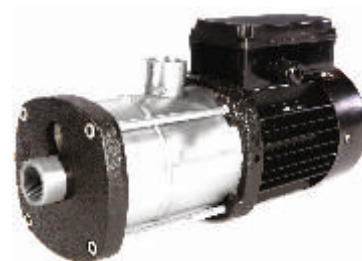
- Compact design.
- Worldwide usage.
- High reliability.
- Easy to service and install
- Wide performance range.
- Silent Operation
- Full stainless steel design.
- Booster sets for domestic water supply.
- Automatic start / stop when equipped with press control or pressure tank.

##### SPECIFICATIONS:

Power Range (kw) : 0.37-2.2 kW (0.5 - 3.0 hp)  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 55  
 Liquid temp. : 0-90 °C  
 Operating Pressure : Max. 10 bar (145 PSI)  
 Class of Insulation : H

Model No.	SH 2	SH 4	SH 8	SH 12
Head Range (Mtr)	12-54	7-46	11-52	12-58
Flow Range (M <sup>3</sup> /hr)	2.8-0.8	7-2	9-4	14-4
Suc. X Del. (inches)	1X1	1.25X1	1.5X1.25	1.5X1.5

### PRESSURE BOOSTER PUMPS



#### SCM Series

##### APPLICATIONS

- Suitable for liquid transfer
- Small industrial water supply systems
- Washing systems
- HVAC
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feed systems
- Pressure boosting systems
- Domestic water supply
- Horticultural irrigation systems

##### FEATURES

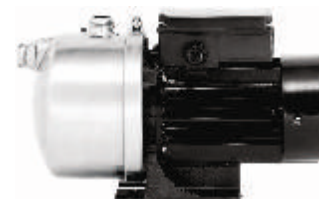
- Compact design.
- Worldwide usage.
- High reliability.
- Easy to service and install
- Wide performance range.
- Silent Operation
- Full stainless steel design.
- Booster sets for domestic water supply.
- Automatic start / stop when equipped with press control or pressure tank.

##### SPECIFICATIONS:

Power Range (kw) : 0.37-7.5 kW (0.5 - 5 hp)  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 55  
 Liquid temp. : -20 ° - +120 °C  
 Class of Insulation : F

Model No.	SCM
Head Range (Mtr)	10-125
Flow Range (M <sup>3</sup> /hr)	0.7-6.25

### DOMESTIC WATER PRESSURE BOOSTER PUMPS



#### SJP Series

##### APPLICATIONS

- Wide variety of water supply and transfer duties in Homes
- Used for Agriculture and Horticulture
- Used for small scale service Industries
- Gardening and Hobby activities

##### FEATURES

- Self-Priming Pump
- Stable operation even in case of air pockets in the liquid
- Inbuilt ejector, fitted with an ejector valve or a plug having two different setting possibilities (open & close) for maximum discharge, maximum efficiency, etc.
- Easy installation
- Dynamically balanced rotating parts to ensure minimum vibration during running
- Replaceable wearing parts and hence longer life
- Easy maintenance and spares availability
- Automatic start/stop when equipped with Press control or pressure tank.
- Booster sets for small-scale water supply
- Silent Operation

##### SPECIFICATIONS:

Power Range (kw) : 0.75 kW (1.0 hp)  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 55  
 Liquid temp. : 0-40 °C  
 Class of Insulation : F

Model No.	SJP 5
Valve position	Open Close
Head Range (Mtr)	10-30 10-20
Flow Range (M <sup>3</sup> /hr)	3.7-1.25 4.6-2.2

### END-SUCTION LONG COUPLED PUMPS



#### SNK Series

##### APPLICATIONS

- The end-suction pumps are especially suitable for water distribution in large scale irrigation systems
- Industrial pressure boosting
- Industrial liquid transfer
- HVAC
- Irrigation

##### FEATURES

- The pumps have back pull out design enabling the removal of the motor without dismantling the pump
- The pumps can be driven by diesel engine, DG set, TEFC motor

##### MOC

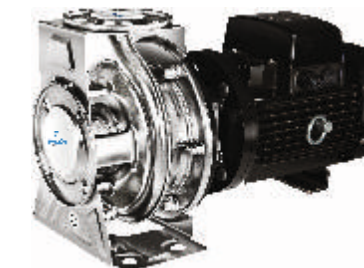
- Impeller - SS 304 (Optional SS 316)
- Casing - SS 304 (Optional SS 316)
- Shaft - SS 316
- Mech. Seal : C vs Sic/ Optional

##### SPECIFICATIONS:

Power Range (kw) : 0.55-15 kW (0.75 - 20 hp)  
 Liquid temp. : 120 °C Max.  
 Class of Insulation : F

Model No.	SNK SS
Head Range (Mtr)	10-95
Flow Range (M <sup>3</sup> /hr)	8-155
HP Rating	1.5-30

### END-SUCTION CLOSE COUPLED PUMPS



#### SNB Series

##### APPLICATIONS

- The end-suction pumps are especially suitable for water distribution in large scale irrigation systems
- Industrial pressure boosting
- Industrial liquid transfer
- HVAC
- Irrigation

##### FEATURES

- The pumps have back pull out design enabling the removal of the motor without dismantling the pump

##### MOC

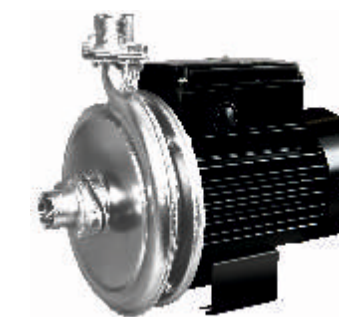
- Impeller - SS 304 (Optional SS 316)
- Casing - SS 304 (Optional SS 316)
- Shaft - SS 316
- Mech. Seal : C vs Sic/ Optional

##### SPECIFICATIONS:

Power Range (kw) : 1.1-22 kW (1.5 - 30 hp)  
 Degree of Protection : IP 55  
 Type of Duty : S1 (Continuous)  
 Liquid temp. : 120 °C Max.  
 Class of Insulation : F

Model No.	SNB SS
Head Range (Mtr)	10-95
Flow Range (M <sup>3</sup> /hr)	8-155
HP Rating	1.5-30

### END-SUCTION CLOSE COUPLED PUMPS



#### SHAHENSHAH

##### APPLICATIONS

- Water distribution
- Pressure boosting
- Liquid transfer
- Irrigation
- Domestic water supply

##### FEATURES

- Ultra modern design
- Superior design materials & manufacturing process assure a longer life

##### MOC

- Impeller - SS 304 (Optional SS 316)
- Casing - SS 304 (Optional SS 316)
- Shaft - SS 316
- Mech. Seal : Graphite vs Ceramic Optional

##### SPECIFICATIONS:

Power Range (kw) : 0.75-2.2 kW (1.0 - 3.0 hp)  
 Degree of Protection : IP 55  
 Type of Duty : S1 (Continuous)  
 Liquid temp. : 120 °C Max.  
 Class of Insulation : F

Model No.	SSNB
Head Range (Mtr)	4-34
Flow Range (M <sup>3</sup> /hr)	2-29
HP Rating	1-2

### OPENWELL PUMPS



#### SHOS M Series

##### APPLICATIONS

- Rural and urban draining water installations
- Water supplies for high-rise buildings
- Water circulating system for lawns & gardens
- Agricultural lift sprinkler and drip irrigation
- Industrial service water supply schemes
- Decorative water fountains

##### FEATURES

- Ultra modern design
- Superior design materials & manufacturing processes assure a longer life
- Easy installation
- High efficiencies better than international values, leading to energy saving
- Silent vibration free running

##### SPECIFICATIONS:

Power Range (kw) : 0.75-15 kW (1.0- 20 hp)  
 Degree of Protection : IP 58  
 Liquid temp. : 33 °C Max.

Model No.	SHOS
Head Range (Mtr)	10-95
Flow Range (M <sup>3</sup> /hr)	3-190
HP Rating	1.5-20

### OPENWELL PUMPS



#### SOMB Series

##### APPLICATIONS

- Rural and urban draining water installations
- Water supplies for high-rise buildings
- Water circulating system for lawns & gardens
- Agricultural lift sprinkler and drip irrigation
- Industrial service water supply schemes
- Decorative water fountains

##### FEATURES

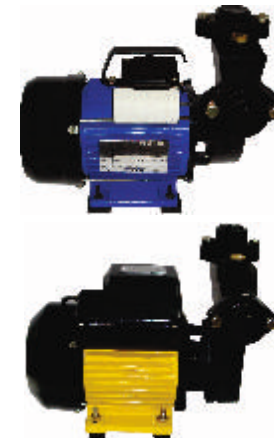
- Ultra modern design
- Superior design materials & manufacturing processes assure a longer life
- Easy installation
- High efficiencies better than international values, leading to energy saving
- Silent vibration free running

##### SPECIFICATIONS:

Power Range (kw) : 0.75-2.2 kW (1.0- 3.0 hp)  
 Degree of Protection : IP 58  
 Liquid temp. : 33 °C Max.

Model No.	SOMB
Head Range (Mtr)	4-33
Flow Range (M <sup>3</sup> /hr)	2-21
HP Rating	1-2

### SELF-PRIMING PUMPS



#### CRP Series

##### APPLICATIONS

- Domestic water supply
- Water transfer applications
- Home pressure boosting
- Construction site
- Gardens/Fountains

##### FEATURES

- High quality die cast aluminum motor body
- Anti-corrosive coated cast iron parts
- In built thermal overload protector
- Insulation class "B"
- SS Shaft
- Bronze Impeller
- Duty Cycle S1
- Double sealed ball bearings

##### SPECIFICATIONS:

Power Range (kw) : 0.37-0.75 kW (0.5-1.0 hp)  
 Type of Duty : S1 (Continuous)  
 Class of Insulation : B

Model No.	CRP-05	CRP-10
Head Range (Mtr)	6-36	10-60
Flow Range (M <sup>3</sup> /hr)	0.4-2.5	0.5-3.5
Suc. X Del. (inches)	1X1	1X1

### IMMERSIBLE PUMPS



#### SMTR Series

##### APPLICATIONS

Suitable for pumping cooling lubricants for

- EDM machine tools
- Grinding machines
- Machining centers
- Cooling units
- Industrial washing machines
- Filtering systems
- Lathes
- Chip conveyors
- Condensate

##### FEATURES

- Flexible installation length
- Reliable
- Easy installation & service

##### SPECIFICATIONS:

Power Range (kw) : 0.37-5.5 kW (0.5-7.5 hp)  
 Degree of Protection : IP 55  
 Class of Insulation : F

Model No.	SMTR
Head Range (Mtr)	10-230
Flow Range (M <sup>3</sup> /hr)	0.7-8.5

### VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



#### SCR, SCRI, SCRN Series

##### APPLICATIONS

The pumps are suitable for liquid transfer and Pressure Boosting in

- Washing systems
- HVAC
- Water supply systems
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feeding systems
- Pharma Plants

##### FEATURES

- High operating efficiency
- Precise parts for hygiene
- Space saving
- Suitable for slightly aggressive liquids
- Mech. Seal : Sic vs Sic/ Optional

##### SPECIFICATIONS

Power Range (kw) : 0.37-75 kW (0.5-100 hp)  
 Speed : 2900 RPM  
 Versions : 230V (Single Phase)  
 A.C. Supply, incorporated with Thermal Overload protector  
 : 380/415 V (Three Phase)  
 Type of Duty : S1 (Continuous)  
 Degree of Protection : IP 55  
 Class of Insulation : F  
 Liquid Temp. : -40 °C to +180 °C  
 Operating Pressure : Max. 30 bar

Model No.	SCR 1S	SCR 1	SCR 3	SCR 5	SCR 10	SCR 15	SCR 20	SCR 32	SCR 45	SCR 64	SCR 90	SCR 120	SCR 150
Head Range (Mtr)	7-199	8-212	7-235	7-235	7-220	9-228	9-233	8-270	11-323	8-226	6-173	14-211	9-190
Flow Range (M <sup>3</sup> /hr)	1-0.4	2-0.8	4-1.6	8-2	12-6	22-10	26-14	36-12	55-25	80-20	110-50	150-30	170-50
Outlet Size (MM)	34	34	34	34	42	65	65	74	80	100	100	100	150



## SEWAGE PUMPS



### SVX Series

#### APPLICATIONS

- Draining flooded water from the basement / car parking
- Drainage water / car washes / empty Swimming pools
- Water Treatment Plant/STP
- Municipal Corporation Drainage Line
- Municipal Corporation Drainage Tankers
- Emptying of Tank in Industries

#### FEATURES

- High Quality of Stainless Steel Motor Body
- Built-in Winding Parts
- Rewindable and easy to repair

#### MOC

- Impeller - SS 304
- Diffuser - Cast Iron
- Shaft - SS 316

#### SPECIFICATIONS

Degree of Protection : IP 55  
Type of Duty : S1 (Continuous)

#### PUMP OPERATING LIMITS :

- 1) 5 M minimum immersion depth.
- 2) Maximum liquid temperature +40°C
- 3) Solids passage
  - upto Ø40 mm for SVX 10-15/35
  - upto Ø50 mm for SVX 10-15/50
- 4) Minimum immersion depth for continuous service
  - 290 mm for SVX 10-15/35
  - 320 mm for SVX 10-15/50

MODEL		POWER		Q	m <sup>3</sup> /hr	H meters														
1Ø	3Ø	kW	hp			0	3	6	9	12	15	18	21	24	27	30				
SVX 10/35	SVX 10/35	0.75	1.0	H meters	10	9.5	8.5	7.2	5.8	4	2									
SVX 15/35	SVX 15/35	1.1	1.5		15	14	13	11.8	10.5	9	7.5	6	4	2						
SVX 10/50	SVX 10/50	0.75	1.0		7.5	7	6.5	5.8	5	4	3.2	2.4	1.5							
SVX 15/50	SVX 15/50	1.1	1.5		11	10.5	10	9.5	9	8.3	7.5	6.8	6	5	4					

Model No.	SVX 10/35	SVX 15/35	SVX 10/50	SVX 15/50
Head Range (Mtr)	2-9.5	2-14	1.5-7	4-10.5
Flow Range (M <sup>3</sup> /h)	18-3	27-3	24-3	30-3

## SOLAR PUMPS



### Solar Series

#### SOLAR PUMPS - EFFICIENT, ECONOMICAL, PROFITABLE

1. Subsidy for promoting this mission is given by the 'Ministry of New & Renewable Energy'.
2. As per MNRE solar module, output peak watt capacity shall not be less than 90% at the end of 10 years, 80% at the end of 25 years for the system offered.
3. Arrangement / facility for providing electricity to the pump from the solar system and from the grid, can be made by providing manual change over the switch.
4. Governing International Electro-Technical Commission (IEC) -61215/1S-14286, IEC-62108, IEC-61730 Part 1 & 2
5. MPPT regulates the output frequency according to irradiation in real time, to achieve maximum power from solar panels at different sun intensities.
6. Capital cost of installation of solar powered water pumping system is almost equal or less than capital cost of installation of electric powered water pumping system, if cost of providing & laying of cable from source to individual pumps and the cost of obtaining electric connection is taken into consideration. As such, from day one, there will be savings.
7. Shakti Pumps (I) Ltd. is the complete solution provider.
8. Shakti Pumps (I) Ltd. is a BEE star rated company manufacturing 5 star rated pumps which can be best utilized for solar powered water pumping systems.

#### SOLAR PUMP ADVANTAGE

- Efficiency is 15 % higher than our normal motor.
- Can run on both Grid as well as Solar power.
- Starts at morning 08.00 AM and runs till 5.30 PM.
- Easy installation and maintenance.
- Easy to understand and operate.
- The pump can be customized for higher hp as per the required head and discharge.
- Capable of running in rain as well and the discharge will be 50 % of normal discharge.

#### COMPARISON BETWEEN SHAKTI SOLAR AC PUMPS AND SOLAR DC PUMPS

Parameter	SHAKTI Solar AC Pump	Other Solar DC Pump
Night Operation / Electricity Operation	Can Be Operate with Grid or Diesel Generator in Night for more water requirement	Not Possible to run on Grid or Diesel Generator
Service	Service is easy and available at nearby location at nominal cost	Not Possible or Special service station is required
Discharge in Good Radiation	Can Give Better Discharge at the time of Good Radiation so farmer can irrigate their farm in less time.	Discharge is lesser at the time or Good Radiation
Model	Large range of models from ( 0.5 to 20 hp) is available for specific Head and Discharge requirement to give maximum satisfaction to individual farmer / end customer)	Due to limited models, sometimes farmer / end customer have to compromise with discharge or head

Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.