

SHAKTI PUMPS

MEETING WATER NEED OF ANY MAGNITUDE



V3, V4, V6, V8, V10 REWINDABLE SUBMERSIBLE MOTORS



O PERFORMANCE

Rating 0.5 HP to 252 HP

O FEATURES

- High operating efficiency & 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 Mech. Seal : Sic vs Sic/ Optional
- SIC shaft seal for maximum sand protection Easy to mount with double flange
- Optional PT 100 Sensor

O APPLICATIONS

- Suitable to couple with deep-well submersible pump ends
 Used for Irrigation, domestic water supply
 Fountains, Industrial water supply
 Sprinkler Systems and Mining.
- Pressure boosting units
 Ponds, Gardens

V3, V4, V6, V8, V9, V10 & V12 STAINLESS STEEL SUBMERSIBLE PUMPS



QF Series

O PERFORMANCE

Head, H : Max. 660 m Discharge : Max. 7333 LPM Flow, Q : 440 m³/hr Rating : 0.5 HP to 335 HP

Liquid Temp. : 0°C to 40°C

O FEATURES

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

O APPLICATIONS

Irrigation, domestic water supply
 Fountains, industrial water supply
 Pressure boosting units, ponds
 Gardens, sprinkler systems and mining

O DELIVERY

32 MM, 38 MM, 50 MM, 65 MM, 75 MM, 100 MM, 150 MM

50 FT Head SUBMERSIBLE PUMP



O PERFORMANCE

Liquid Temp. : 0°C to 40°C

O FEATURES

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

O APPLICATIONS

- Irrigation, domestic water supply Fountains, industrial water supply
- Pressure boosting units, ponds Gardens, sprinkler systems and mining

O DELIVERY

65 MM

OPENWELL PUMPSSHOS CA / SA Series / ECO



O PERFORMANCE

Head, H : Max. 94 m Discharge : Max. 2600 LPM Flow, Q : $156 \text{ m}^3/\text{hr}$ Rating : 03 HP to 20 HP

FEATURES

 Ultra modern design • Easy installation • Silent, vibration-free running • High efficiency as of international standards, leading to energy saving • Superior design material as well as manufacturing process assure longer life

O APPLICATIONS

- Rural and urban draining water installations Water supply to high-rise buildings
- Water circulating system for lawns & gardens Agricultural lift sprinkler and drip irrigation
- Industrial service water supply schemes Decorative water fountains
- O DELIVERY 50 MM, 65 MM, 75 MM, 100 MM

OPENWELL PUMPS SOMB Series



O PERFORMANCE

O FEATURES

Ultra modern design
 Easy installation
 Silent, vibration-free running
 Superior design material as well as manufacturing process assure longer life
 High efficiency- better than international values, leading to energy saving

O APPLICATIONS

- Rural and urban draining water installations
 Water supply to high-rise buildings
 Water supply to high-rise buildings
- Industrial service water supply schemes
 Decorative water fountains
- O DELIVERY 25 MM, 32 MM, 50 MM

HORIZONTAL OPENWELL SUBMERSIBLE PUMPS (SHOS C SERIES)



O PERFORMANCE

Head, H : 22 m to 28 m Discharge : 30 LPM to 102 LPM

Flow, Q: 90 LPM Rating: 1 H

O FEATURES

◆ Designated for under water application ◆ Replaceable wear and tear parts, easy maintenance
 Easy installation ◆ Carbon Radial bush bearing ◆ Dynamically balanced rotating part for minimum vibration

• CED Coating for the Cast Iron part protection from rust and corrosion

O APPLICATIONS

- Water supply In apartments and building Fountains Small Farm Irrigation
- Gardening Sump to overhead tank filling
- O DELIVERY 25 MM

MONOBLOCK & END SUCTION PUMPS SNB. SNK Series



PERFORMANCE

	POLES	Head, H	Discharge	Flow,Q	Rating			
	2-P0LE	Max 168 m	Max 5000 LPM	300 m ³ /hr	2-220 HP			
Γ	4-POLE	Max 110 m	Max 6800 LPM	408 m³/hr	0.33 - 215 HP			
I	6-POLE	Max 32 m	Max 4830 LPM	290 m ³ /hr	3-40 HP			

O FEATURES

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

O APPLICATIONS

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

MONOBLOCK END-SUCTION SINGLE SHAFT PUMPS (SMB)



O PERFORMANCE

Head, H : Max. 78 m Discharge : Max. 2500 LPM Flow, Q : $126 \text{ m}^3/\text{hr}$ Rating : 0.5 HP to 25 HP

O FEATURES

• Ultra modern design • Superior design material as well as manufacturing process assure longer life

O APPLICATIONS

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

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS (SCR, SCRI, SCRN Series)



O PERFORMANCE

Liquid Temp: -40°C to +180°C

O FEATURES

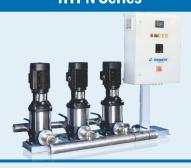
High operating efficiency
 Precise parts for hygiene
 Space saving
 Suitable for slightly aggressive liquids
 Mech. Seal: Sic vs Sic/ Optional

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
- O SUCTION X DELIVERY 32 MM, 40 MM, 50 MM, 65 MM, 80 MM, 100 MM, 125 MM, 150 MM

HYDROPNEUMATIC BOOSTER SYSTEMS HYPN Series



O PERFORMANCE

Head, H: 5.5 Bar Flow, Q: 1080 m³/hr Power: upto 75 kW

O FEATURES

- Cyclical inversion of the start-up order of the pumps
 Pump stop timer
 Protection against dry operation
 Sequential start-up control
 Compact System
 Zero Flow Sensing
 Assured Dry Running Protection
 Pre-Start Feature
 Minimum Maintenance Required
 Factory Fitted,
 Assembled
 Tested System
 2 to 4 nos. of electrical driven pumps on Vertical or Horizontal axis.
- MS Galvanized pipe work & Epoxy Coated Skids

O APPLICATIONS

- Building Sector
 Municipal Corporation Water Supply
- Irrigation Automobile Sector Industrial
- O SUCTION X DELIVERY 32 MM, 40 MM, 50 MM, 65 MM, 80 MM, 100 MM, 125 MM.

SEWAGE PUMPS (SVX Series)



O PERFORMANCE

Head, H : Max. 15 m Discharge : Max. 333 LPM Flow, O : 20 m³/hr Rating : 1 HP to 1.5 HP

O FEATURES

• High quality stainless steel motor body • Built-in winding parts • Rewindable & easy to repair

O APPLICATIONS

- Draining flooded water from the basement / car parking
 Draining water / car washes / emptying swimming pools
 Water treatment plant / STP
 Municipal Corporation drainage line
- Municipal Corporation drainage tankers Emptying tanks in industries

DELIVERY

40 MM, 50 MM

SEWAGE PUMPS (SDW Series)



O PERFORMANCE

Head, H : 5-31 m Discharge : 34-3910 LPMFlow, Q : $2-160 \text{ m}^3/\text{hr}$ Rating : 1 HP to 10 HP

O FEATURES

- · Anti-Rust Corrosive motor housing · Non -clogging, minimized abrasive wear
- Superior back to back double mechanical seal
 High efficiency motor: Specially designed submersible motor with IP68 Protection and F Class Insulation

O APPLICATIONS

- Waste water drainage in factories, Construction Sites & Commercial Facilities
- Drainage system in municipal sewage treatment plant Municipal Projects
- Industrial Sewage & Effluent treatment Plants Residential & building projects

O DELIVERY

50MM, 60 MM, 100 MM, 150MM

SHAKTI WASTE WATER PUMPS SSEG Series



O PERFORMANCE

Head, H : Max. 46 m Discharge : 285 LPM (17m³/hr)

Rating: 1.5 HP to 5.5 HP

O FEATURES

- Single phase and three phase motor with fully insulated cable connection chamber.
- Insulation class F Protection rating IP 68 Grinder at inlet of pump which grinds solids into small pieces so that they can be led away through discharge pipes of a relatively small diameter.
- Enable to rotate 180° of motor housing with the help of unique clamp system
 Double mechanical cartridge shaft seal

O APPLICATIONS

• Suitable for domestic sewage • Used in sparsely populated area where gravity sewage system are not available. • For example :- small village and farm area with large difference in ground level.

MONOBLOCK PUMPS SSM Series



O PERFORMANCE

O FEATURES

- Dynamically balanced rotor with shaft and impellers TEFC capacitor start and run motor
- Built in thermal overload protector Withstand wide voltage fluctuations Sturdy motor design
- Double shield ball bearing with lift long lubrication

O APPLICATIONS

- Hotel, hospitals Water supply in irrigation Sprinkler irrigation system Agriculture use
- O SUCTION X DELIVERY 25 MM, 32MM, 50 MM, 65 MM

SELF-PRIMING PUMPS CRP Series



O PERFORMANCE

Model	Head (Max.)	Flow	Discharge (max.)	Rating			
CRP E Series	60 m	3.2 m ³ /hr	53.33 LPM	0.5 - 1.0 HP			
CRP S Series	60 m	3.3 m ³ /hr	55 LPM	0.5 - 1.0 HP			
CRP P Series	60 m	3.5 m ³ /hr	58 LPM	0.5 - 1.0 HP			

FEATURES

- Highquality die cast aluminum motor body Anti corrosive coated cast iron parts SS Shaft
- In built thermal overload protector Bronze Impeller Double sealed ball bearings

APPLICATIONS

- Domestic water supply Water transfer applications Home pressure boosting
- Construction Site Gardens / Fountains
- O SUCTION X DELIVERY 0.5 Inch, 1 Inch

SELF-PRIMING PUMPS CRP MEGH & CRP NG





CRP MEGH

CRP NG

O PERFORMANCE

	PRODUCT	MODEL	kW/HP	PIPE	PIPE SIZE TOTAL HEAD IN METERS								SHUT					
	CODE			(r	nm)		6	9	12	15	18	21	24	27	30	33	36	OFF
	9000030400	MEGH 50	0.37/0.5	25	X 25	ARGE PH	1872	1584	1332	1080	792	684	468					28 m
	9000030402	MEGH 100	0.75/1.0	25	X 25	DISCH	2520	2376	2160	1872	1692	2 1548	1296	1080	900	720	396	41 m
	PRODUCT CODE	MODE	. kw,	/ HP	P PIPE SIZE (mm)		HEAD (r	n)	4	7		12	17		21	26		27
	9000030319	CRP-NG 0	5 HP 0.37	/0.5	0.5 25X25		LPH		2040	180	0	1500	120	0	900	600		360
	PRODUCT CODE	MODE	. kW,	/ HP	PIPE:		HEAD (r	n)	11	19		29	31		36	43		48

LPH

HEAD (m)

LPH

PIPE SIZE

25X25

9000030320 CRP-

PRODUCT CODE

• Compact design • Brass forged Impeller • Specially Design for wide voltage fluctuations from 160 to 240 V • High quality mechanical seal ensure longer life • High quality enamelled copper wire • Light weight pump ensure easy handling • Double shielded ball bearings - no need of additional lubrication

3660

4080

3000

16

3600

2400

3000

2220

1800

O APPLICATIONS

• Residential Bungalows, Apartments, etc. • Gardening and small plants • Booster applications

SINGLE SHAFT VERTICAL MULTISTAGE PUMPS (RO Series)



O PERFORMANCE

Head, H : Max. 149 m Discharge : Max. 80 LPM Flow, Q : $4.8 \text{ m}^3/\text{hr}$ Rating : 0.5 HP to 3 HP

Temp. : 0° C to $+90^{\circ}$ C

CRP-NG 1.0 HP 0.75/1.0

kW / HP

1.1 / 1.5

MODEL

CRP-NG 1.5 HP

O FEATURES

- Stainless steel impellers, shaft and stage casings (SS 304/SS 316) Strengthened cartridge seals
- All single phase motors are fitted with thermal motor protector
 Enhanced hydraulic efficiency
- Good compatibility and environment friendly Low noise level and low vibration level

O APPLICATIONS

- Industrial and domestic pressure boosting RO/DM plant/Water circulation
- Air conditioning & chiller plant
 Horticultural irrigation
 Domestic water supply
- O DELIVERY 25 MM,

IMMERSIBLE PUMPS SMTR Series



O PERFORMANCE

O FEATURES

• Flexible installation length • Reliable • Easy installation & service

O APPLICATIONS

Suitable for pumping cooling lubricants for

- EDM machine tools Grinding machines Machining centers Cooling units
- $\bullet \ \, \text{Industrial washing machines} \ \, \bullet \ \, \text{Filtering systems} \ \, \bullet \ \, \text{Chip conveyors} \ \, \bullet \ \, \text{Condensate}$
- O DELIVERY 32 MM, 40 MM

PRESSURE BOOSTER PUMPS SH Series



O PERFORMANCE

O FEATURES

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

O 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
- O SUCTION X DELIVERY 25 MM, 32 MM, 40 MM

DOMESTIC WATER PRESSURE BOOSTER PUMPS (SJP Series)



O PERFORMANCE

Head, H : Max. 40 m Discharge : 21 - 75 LPM Flow, Q : $4.5 \text{ m}^3/\text{hr}$ Rating : 1 HP

O APPLICATIONS

- Wide variety of water supply & transfer duties in homes Used for agriculture & horticulture
- Used for small scale service industries Gardening & hobby activities

FEATURES

- Self-priming pump Stable operation even in case of air pockets in the liquid Easy installation
- Dynamically balanced rotating parts to ensure minimum vibration during running Silent Operation
- Replaceable wearing parts & hence longer life Easy maintenance & spares availability Automatic start/stop when equipped with Press Control or pressure tank. Booster sets for small-scale water supply Inbuilt ejector, fitted with an ejector valve or a plug having two different setting possibilities (open & close) for maximum discharge, maximum efficiency, etc.
- O SUCTION X DELIVERY 25 MM

PRESSURE BOOSTER PUMPS SCM Series



O PERFORMANCE

Head, H : Max. 130 m Discharge : Max. 418 LPM Flow, Q : $30 \, \text{m}^3/\text{hr}$ Rating : 0.5 HP to 10 HP

O FEATURES

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

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
- O SUCTION X DELIVERY 25 MM, 32 MM

RAPID SUCTION SRSC / SRSS Series





SRSC Series



SRSS Series

O PERFORMANCE

Head, H : 3 m to 54 m Discharge : 7 LPM to 58 LPM Flow, Q : $3.5 \text{ m}^3/\text{hr}$ Rating : 0.5 HP to 1.5 HP

O FEATURES

- Specially designed for quick and powerful suction Suction lift up to 8 meters
- TEFC, capacitor start and run motor
 Built in thermal overload protector to protect the motor from burning

O APPLICATIONS

- Domestic use Gardening Pressure boosting system
- O SUCTION X DELIVERY 25 MM

SHALLOW WELL PUMPS SSW Series



O PERFORMANCE

Head, H: 6 m to 39 m Discharge: 2700 LPH to 450 LPH

Rating : 0.5 HP to 1 HP

O FEATURES

- Specially designed for quick and powerful suction Suction lift up to 8.5 meters
- TEFC, capacitor start & run motor Built in thermal overload protector to protect the motor from burning

O APPLICATIONS

- Domestic use Gardening Pressure boosting system
- O SUCTION X DELIVERY 25 MM,

SOLAR PUMP & CONTROLLER



O FEATURES

- · High flow system for faster tank fill and significant water output.
- Proven motor and pump technology for long-term reliability
- · Available Free of cost at your doorstep. Clean and pollution free energy, Eco-friendly.
- · Ideal for remote areas, where electricity is not available or availability is capital intensive.
- Suitable for day time irrigation, Continuous supply for 6-8 hours in a day.
- MPPT Max Power Point Tracking for maximizing efficiency of input power
- Soft start feature prevents water hammer and increases system life Easy to operate.
- Simple installation and maintenance free. MNRE approved.

O APPLICATIONS

- Ground water lowering Irrigation systems Industrial Application Drip irrigation & sprinkler
- Tank / Cistern filling Wildlife refuge Rural water supply for ranches, cabins, and cottages
- Fountains

SIMHA 2.0 UNIVERSAL DRIVE

Certification : IEC 61683, IEC 600682-2-(1,2,14,30), IS 16221-2 (IEC 62109-2), IEC 60529, EN 50530



O POWER RATING

• 0.75 to 10 HP (3 Phase)

O AMP. RATING

• 6 AMP to 20 AMP

O FEATURES

- Supports wide varieties of motors
- Independent data logging facility
- Dust-proof & rain-proof IP 65 design
- Wide temperature range
- Plug & play shock-proof connectors
- Graphical Icd for easy operation
- Powered with remote monitoring system

O APPLICATIONS

 All in one solution for driving of various motors like AC-IM, PMSM, IPMSM for solar pumps or any other general applications.

NANDI UNIVERSAL DRIVE



O POWER RATING

• 15 to 35 HP

O FEATURES

- Supports wide varieties of motors
- Independent data logging facility
- Dust-proof & rain-proof IP 65*design
- Wide temperature range

O AMP. RATING

- 20 AMP to 120 AMP
- · Graphical Icd for easy operation
- · Inbuilt mobile charger port
- · Powered with remote monitoring system

(* IP 65 upto 60 AMP)

O APPLICATIONS

All in one solution for driving of various motors like AC-IM, PMSM, IPMSM for solar pumps or any other general applications.

KALPAVRIKSHA HYBRID **INVERTER**



O POWER RATING

- · 3 HP to 10 HP VFD (3 Phase)
- · 3 kW to 10 kW Grid Tie (3 Phase)

O FEATURES

- · Pump runs from solar
- Pump operation without grid is also possible Delivers additional power to grid
- Works with acim, pmsm & ipmsm
- · Simultaneous operation of VFD & inverter
- · Maximum utilization of energy

APPLICATIONS

- · Runs pump for agriculture
- · Feeds extra power to the grid
- Increases farmer's income

KALPAVRIKSHA GRID TIE INVERTER



O POWER RATING

• 3 kW to 10 kW (3 Phase)

O FEATURES

- · Plug & play shock proof unique connections
- In-built PV insulation protection
- · Feeds power to the grid
- · Simple installation & operation
- · Suitable for outdoor installation
- · In-built surge protection
- Dust & rain proof ip 65 design
- · User friendly Icd display
- · Intelligent digital control
- · Powered with remote monitoring system
- · GPRS/wifi #enabled & bluthooth connectivity

O APPLICATION

• Roof top solar installation & grid-tie inverter in domestic • Small & big commercial establishments.

- Smooth operation IP 65 ingress protection design Graphical LCD display for easy monitoring
- · Wireless connectivity via Bluetooth and GPRS/WiFi

(# With selected models)

KALPAVRIKSHA (USPC) UNIVERSAL SOLAR PUMP CONTROLLER



O POWER RATING

• 3 HP to 10 HP VFD (3 Phase)

O FEATURES

- · Multiple applications run from solar
- · Supports a variety of solar motor pump sets
- · Inbuilt protection
- · Remote monitoring & control
- . Dust & rain proof IP 65 design
- · Supports a variety of solar pumps
- · Agrarian application support
- · Intelligent digital control
- · Powered with remote monitoring system
- · GPRS enabled & bluetooth connectivity
- · Shock-proof connections

O APPLICATION

- Runs various agrarian applications from solar such as pump, thresher, chaff cutter, atta chakki etc.
- · Increases farmer's income

SUN SHAKTI HYBRID INVERTER / GRID TIE INVERTER



POWER RATING

1 to 6 kVA (1 Phase)

O FEATURES

- · Works with multiple energy sources
- · Acts as a solar ups
- In-built PV insulation protection
- . Single phase hybrid inverter
- · Fast charging
- · Supports vrla
- · Feeds extra energy to the grid

O APPLICATIONS

• Domestic, small and big commercial establishments: Grid-tie Inverter / Hybrid Inverter



O POWER RATING

• 15 HP to 35 HP

- **O** AMP RATING
 - 25 to 55 AMP

O FEATURES

- · Softly start & softly stop the motor
- · Ensures longer life of the motor
- · Covers 3 phase ac-im & shakti's S4RM motor
- · User friendly display
- **Better protection**
- · GPRS enabled

O APPLICATIONS

· To softly start and softly stop agricultural and industrial three phase AC-IM and Shakti's S4RM Motors.

A1 SMART STARTER



O POWER RATING

- 0.5 HP to 15 HP (1 Phase)
- 0.5 HP to 15 HP (3 Phase)

O AMP RATING

• 1 to 30 AMP

O FEATURES

- Energy Metering Ensures longer life of the motor Better protection
- GPRS & Blue tooth Enabled User Friendly Display

Suitable for 1-Phase / 3-Phase AC induction motor.

O BENEFITS

• Smooth operation • Inbuilt Auto Switch • Ingress protection includes overload, under/over voltage trip, transient surge, pump stalled trip. • IP 54 design • Seven segment display for easy monitoring. • Wireless connectivity via Bluetooth and GPRS. • Inbuilt Space for Capacitor

DU DT FILTER



O POWER RATING

· Upto 16 AMP.

O FEATURES

- Extends the life of the motor & its associated cable Better filtering with amorphous core inductor
- Reduces common mode current upto 30%
 Applicable upto 500m

O APPLICATIONS

Reduces voltage spikes, common mode & bearing current.

• Plug & play shock-proof connectors • Dust-proof & rain-proof IP 54 design • Supports wide varieties of drives . Wide temperature range

SHAKTI RMS DONGLE



O FEATURES

- · Real time monitoring and control
- · In-built real time clock
- Compatibility with gsm & WI-FI
- · Read / write of the control parameters from server
- · In-built data logger

O APPLICATIONS

 IoT • RMS Data Acquisition

O BENEFITS

- Extraction of offline data Plug & Play connection Compatible up-to IP65 products
- · Works on GSM/ WI-FI

4 INCH PREMIUM PLUG & PLAY PUMP



O APPLICATIONS

Domestic/Residential water supply, Gardening, Washing systems, Civil Applications use.

FEATURES

- Just plug in & start motor.
- In-built thermal overload protection.
- High efficiency design for low operation cost.
- All motors are pre-filled and 100% pre-tested.
- Operation without need of control box.

O AMS APPLICATIONS

• Domestic / Industrial overhead water tanks

O AMS FEATURE

- Auto cut off when water tank is filled.
- . Dry run protection facility to keep motor off when there is no water in bore well or tank (open well).
- Manual mode is also available to operate while no need of automatic operation.
- Easy connection and simple arrangement to make it user friendly.

Other Countries: +91-7292 410500

Authorised Dealer / Distributor:

SHAKTI PUMPS (INDIA) LIMITED

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