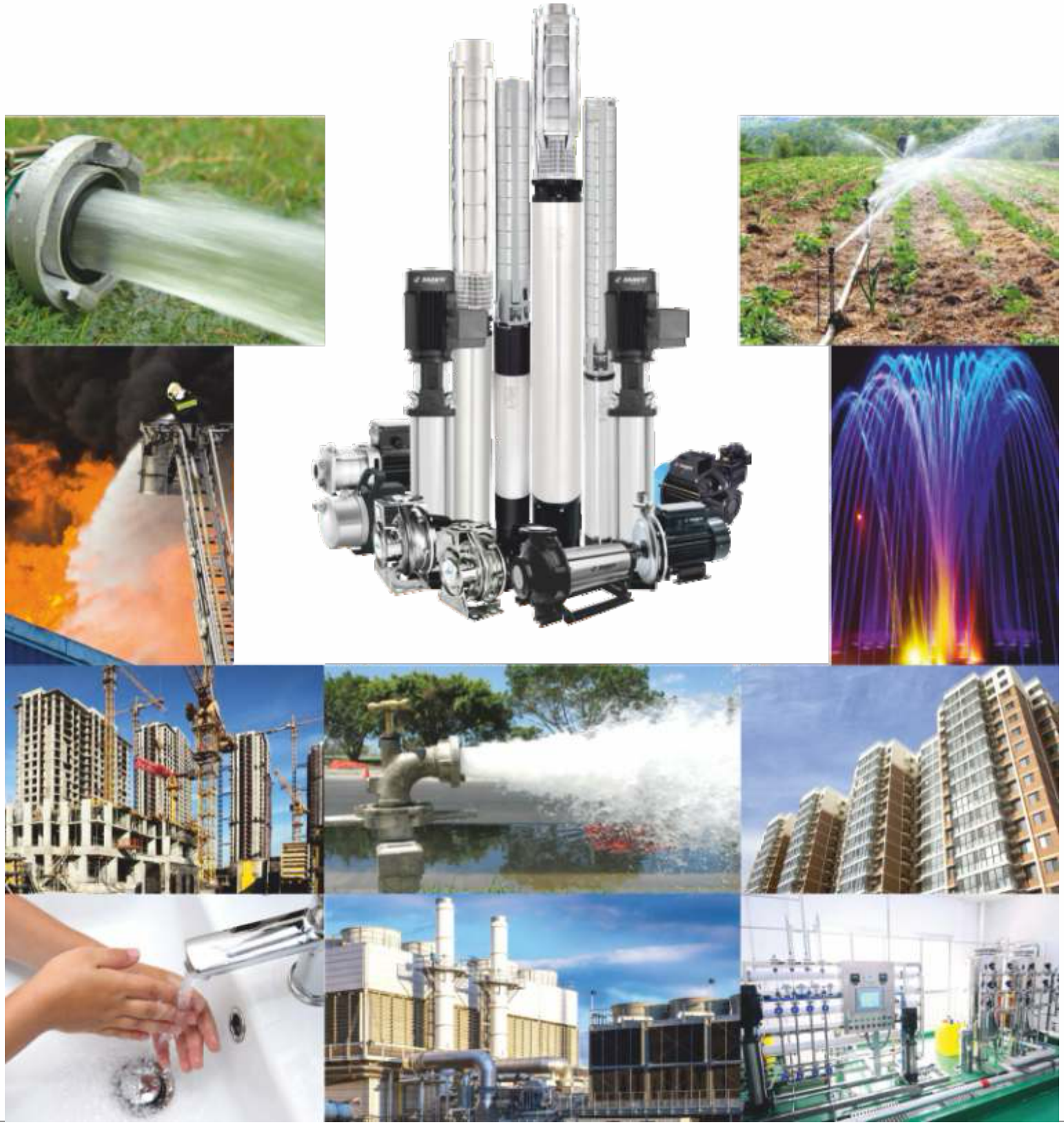
SHAKTI®

PUMPING LIFE

SHAKTI PUMPS

MEETING WATER NEED OF ANY MAGNITUDE



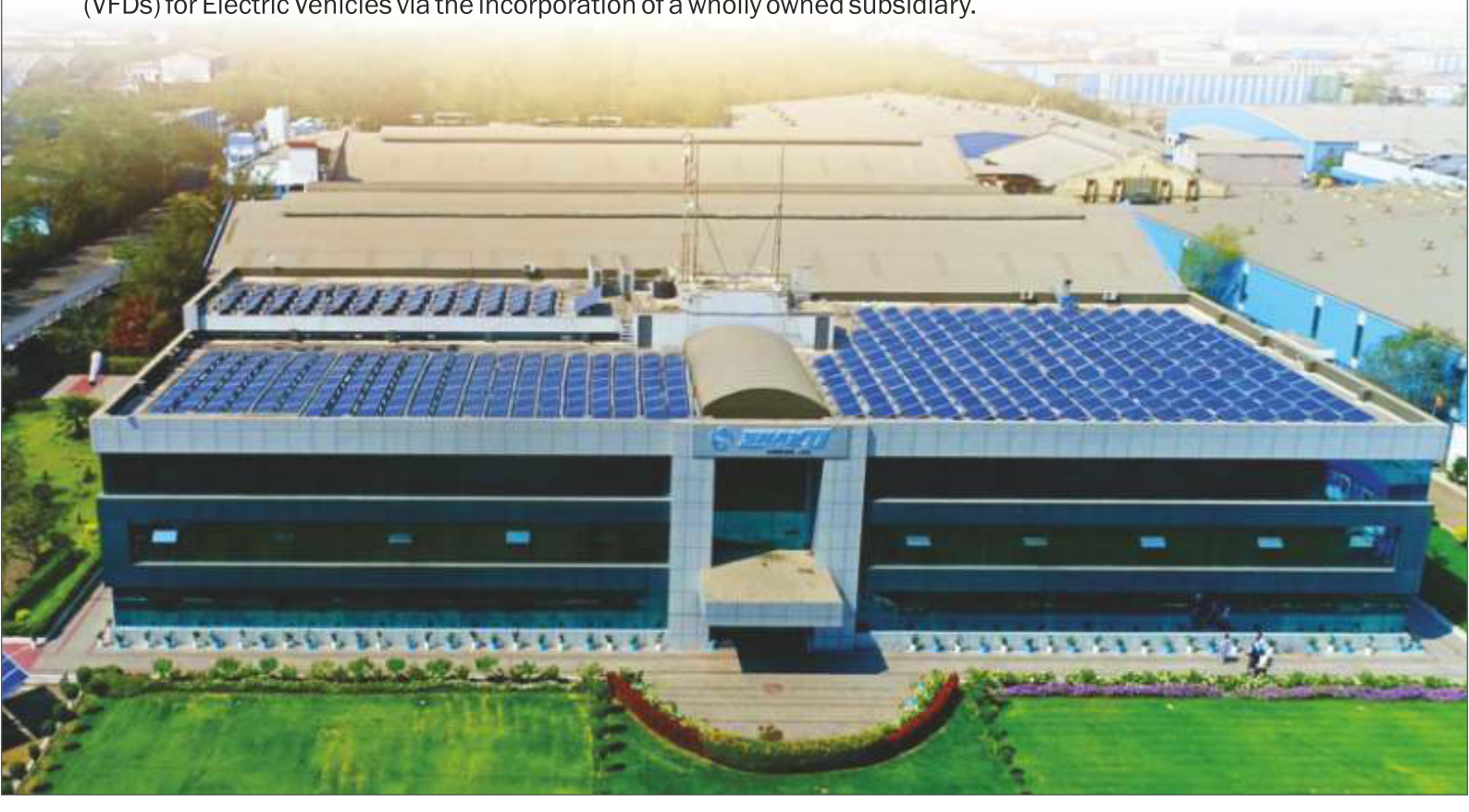
ABOUT THE COMPANY

TAKING 'MAKE IN INDIA' FORWARD.

Shakti Pumps (India) Limited, a pioneer in manufacturing of energy-efficient pumps and motors since 1982. An ISO 9001-2015, ISO 14001:2015 & ISO 45001:2018 company, The company is at the forefront of providing a variety of renewable energy solutions, primarily for the agriculture sector. The company has over 1200 product portfolio, which have been indigenously developed by their Research & Development department. With an investment of 3-4% of the company's net profit towards Research & Development, innovation is the backbone of their operations. The company has a strong commitment to innovate and develop technologically advanced products to meet India's irrigation & pumping requirements. Shakti Pumps has a sprawling state of the art manufacturing facility with an installed capacity of 5 lakh pumps per annum which is strategically situated in central India at Pithampur in the state of Madhya Pradesh. Over the years, Shakti Pumps has seen a steady growth trajectory and has become one of the leading pump exporters in India. The company exports its products to over 120 countries.

Shakti Pumps product portfolio comprises of new-age products which are solar energy-operated pumps, electric pumps and solutions that find use in agriculture, industrial & commercial sector. With 28 patent applications, of which eleven patent was already granted, Shakti Pumps has emerged as a leading renewable energy solutions company with diversified product offerings including technologically advanced utility functions.

Buoyed by 30 years of proven prowess in manufacturing Electric Motors and 5 years of manufacturing Power Electronics Equipment (Controllers), the company recently announced its foray into the EV segment with the manufacture of Motors, Chargers, Controllers and Multi - Application Component Variable Frequency Drives (VFDs) for Electric Vehicles via the incorporation of a wholly owned subsidiary.



VISION

To become a company that constantly strives for quality and customer satisfaction by providing best pumping solutions with global benchmarks integrating health, safety and environmental considerations into all its business decisions and practices so that there will be

- Zero accident
- Zero liquid discharge
- Zero carbon footprint

and to emphasize best practices and strong organizational values justifying the interest of all stakeholders

MISSION

To work relentlessly and come closer to our vision statement by offering an excellent work environment and training focused on trust, integrity and ethics empowering the workforce to offer products and services that exceed customer expectations ensuring value for money and handsome return to our employees and shareholders.



Quality, a way of life at Shakti.

We accord paramount importance to quality. Be it practices, procedures or people, each and every aspect of our company, comes together to ensure that customers get products and services of the highest quality. Our quality control and testing labs are amongst the most advanced set-ups in the country- enabling us to meet international quality standards consistently.

Our technology, our strength.

We employ the best-of-world technology to manufacture our products. Our state-of-the-art plant has cutting-edge Japanese and European machinery. The use of robots ensures precision of the highest level. Ultra-modern CNC machines, stamping machines, cathode electrode deposition plant, etc. speak volumes about our technological strength.



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



PERFORMANCE :
Rating 0.5 HP to 252 HP

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

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, V10 & V 12 REWINDABLE SS SUB. PUMPS



PERFORMANCE :
Head, H : Max. 660 m
Flow, Q : 440 m^3/hr
Liquid Temp. : 0°C to 40°C
Discharge : Max. 7333 LPM
Rating : 0.5 HP to 335 HP

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

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

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

50 FT HEAD SUBMERSIBLE PUMP



PERFORMANCE :
Head, H : Max. 450 m
Flow, Q : 33 m^3/hr
Liquid Temp. : 0°C to 40°C
Discharge : Max. 550 LPM
Rating : 3 HP to 25 HP

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

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

DELIVERY : 65 MM

OPENWELL PUMPS
SHOS CA/SA SERIES / ECO



PERFORMANCE :
Head, H : Max. 94 m — Discharge : Max. 2600 LPM
Flow, Q : 156 m^3/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

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

DELIVERY : 50 MM, 65MM, 75 MM, 100 MM

OPENWELL PUMPS
(SOMB SERIES)



PERFORMANCE :
Head, H : Max. 33 m — Discharge : Max. 360 LPM
Flow, Q : 21 m^3/hr — Rating : 0.5 HP to 2 HP

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

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

DELIVERY : 25 MM, 32 MM, 50 MM

HORIZONTAL OPENWELL
SUBMERSIBLE PUMPS (SHOS C SERIES)



PERFORMANCE
Head, H : 22 m to 28 m — Discharge : 30 LPM to 102 LPM
Flow, Q : 90 LPM — Rating : 1 HP

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

APPLICATIONS
• Water supply In apartments and building • Fountains • Small Farm Irrigation
• Gardening • Sump to overhead tank filling

DELIVERY - 25 MM

MONOBLOCK & END SUCTION PUMPS
SNB, SNK Series



PERFORMANCE

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

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

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)



PERFORMANCE
Head, H : Max. 78 m — Discharge : Max. 2500 LPM
Flow, Q : 126 m^3/hr — Rating : 0.5 HP to 25 HP

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

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

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



PERFORMANCE :
Head, H : Max. 320 m Discharge : Max. 3200 LPM
Flow, Q : 185 m^3/hr Rating : 0.5 HP to 75 HP
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

DELIVERY : 32 MM, 40 MM, 50 MM, 65 MM, 80 MM, 100 MM, 125 MM, 50 MM

SCRM PUMP



PERFORMANCE :
Head Range, H : Max. 220 Meters Flow Range, Q : Max. 8.5 m^3/hr (142 LPM)
Power Range : 1.5 kW - 3.7 kW Efficiency Class : IE3
Supply Voltage : 3 PH x 380-415 V, 1 PH x 220-230/240 V Insulation : H Class Protection : IP55

APPLICATIONS :
• Washing System • Cooling and air conditioning system • Water treatment system • Fire Fighting System • Industrial Plants • Boiler feeding system • Irrigation system. Water Supply

HYDROPNEUMATIC BOOSTER SYSTEMS (HYPN SERIES)



PERFORMANCE :
Head, H : 20 Bar Flow, Q : 360 m^3/hr Power : upto 75 kW

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

APPLICATIONS : • Building Sector • Municipal Corporation Water Supply • Irrigation • Automobile Sector • Industrial

DELIVERY : 32 MM, 40 MM, 50 MM, 65 MM, 80 MM, 100 MM, 125 MM.

FIRE FIGHTING PUMP



PERFORMANCE :
Head, H : Max. 120 m Flow, Q : upto 273 m^3/hr
Rating : upto 132 kW

FEATURES :
• The pumps are non self priming, single stage, centrifugal volute pumps with axial suction port, radial discharge port and horizontal shaft. • The pumps are of the back pull out design enabling removal and dismantling of the motor, coupling bearing bracket and impeller without disturbing the pump housing or pipework. • Efficient operation.

APPLICATION :
• Fireworks Industries • Commercial Complexes • Petrochemical Industries • High Rise Buildings • Gas Plants • Hospitals • Schools and Colleges Marine applications • Power stations and transformers stations etc.

SEWAGE PUMPS (SVX SERIES)



PERFORMANCE :
Head, H : Max. 15 m Flow, Q : 20 m^3/hr
Discharge : Max. 333 LPM Rating : 1 HP to 1.5 HP

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

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)



PERFORMANCE :

Head, H : 5-31 m
Flow, Q : 2-160 m^3/hr
Discharge : 34-3910 LPM
Rating : 1 HP to 10 HP

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

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

DELIVERY : 50MM, 60 MM, 100 MM, 150MM

WASTE WATER PUMPS SSEG SERIES



PERFORMANCE :

Head, H : Max. 46 m
Discharge : Max. 285 LPM (17m^3/hr)
Rating : 2.2 kW to 4 kW

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

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



PERFORMANCE :

Head, H : 6 m to 30 m
Flow, Q : 55 m^3/hr
Voltage : 100 to 200V, 140 to 250 V, 100 to 300 V , 160 to 420V
Discharge : 35 LPM to 920 LPM
Rating : 0.5 HP to 2 HP

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

APPLICATIONS : • Hotel, hospitals • Water supply in irrigation • Sprinkler irrigation system • Agriculture use

DELIVERY : 25 MM, 32MM, 50 MM, 65 MM

SELF PRIMING PUMP CRP SERIES



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 : • High quality 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

DELIVERY : 0.5 Inch, 1 Inch

SELF PRIMING PUMP CRP MEGH & CRP NG



CRP MEGH



CRP NG

PERFORMANCE

PRODUCT CODE	MODEL	kW / HP	PIPE SIZE (mm)		TOTAL HEAD IN METERS											SHUT OFF
					6	9	12	15	18	21	24	27	30	33	36	
9000030400	MEGH 50	0.37/0.5	25 X 25	DISCHARGE IN LPH	1872	1584	1332	1080	792	684	468					28 m
9000030402	MEGH 100	0.75/1.0	25 X 25		2520	2376	2160	1872	1692	1548	1296	1080	900	720	396	41 m

PRODUCT CODE	MODEL	kW / HP	PIPE SIZE (mm)	HEAD (m)	4	7	12	17	21	26	27
9000030319	CRP-NG 0.5 HP	0.37/0.5	25X25	LPH	2040	1800	1500	1200	900	600	360
PRODUCT CODE	MODEL	kW / HP	PIPE SIZE (mm)	HEAD (m)	11	19	29	31	36	43	48
9000030209	CRP-NG 1.0 HP	0.75/1.0	25 X 25	LPH	3660	3000	2400	2220	1800	1200	900
PRODUCT CODE	MODEL	kW / HP	PIPE SIZE (mm)	HEAD (m)	9	16	26	36	46	56	66
9000030320	CRP-NG 1.5 HP	1.1 / 1.5	25X25	LPH	4080	3600	3000	2400	1800	1200	600

FEATURES

• 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

APPLICATIONS

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

SINGLE SHAFT VERTICAL MULTISTAGE PUMPS (RO SERIES)



PERFORMANCE :
Head, H : Max. 149 m — Flow, Q : 4.8 m^3/hr
Temp. : 0°C to +90°C — Discharge : Max. 80 LPM
Rating : 0.5 HP to 3 HP

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

APPLICATIONS : • Industrial and domestic pressure boosting • RO/DM plant/Water circulation • Air conditioning & chiller plant • Horticultural irrigation • Domestic water supply

DELIVERY : 25 MM

IMMERSIBLE PUMPS SMTR SERIES



PERFORMANCE :
Head, H Flow, Q : Max. 330 m : 80 m^3/hr
Discharge : Max. 1333 LPM Rating : 0.5 HP to 60 HP

FEATURES :
• Flexible installation length • Reliable • Easy installation & service

APPLICATIONS :
Suitable for pumping cooling lubricants for • EDM machine tools • Grinding machines • Machining centres • Cooling units • Industrial washing machines • Filtering systems • Lathes • Chip conveyors • Condensate

DELIVERY : 32 MM, 40 MM

DOMESTIC WATER PRESSURE BOOSTER PUMPS (SJP SERIES)



PERFORMANCE : Head, H : Max. 40 m — Discharge : 21- 75 LPM
Flow, Q : 4.5 m^3/hr — Rating : 1 HP

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.

DELIVERY : 25 MM

PRESSURE BOOSTER PUMPS SH SERIES



PERFORMANCE :
Head, H : Max. 60 m — Discharge : Max. 233 LPM
Flow, Q : 14 m^3/hr — Rating : 0.5 HP to 3 HP

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

DELIVERY : 25 MM, 32 MM, 40 MM

SERO VERTICAL MULTISTAGE PUMP (SERO SERIES)



PERFORMANCE

Head Range, H : Max. 166 M. — Flow Range, Q : Max. 6.0 m^3/hr — Power Range : 1.1 kW - 2.2 kW

FEATURES

• Engineering Polymer (NORYL) Impellers & Diffuser • All single phase motors are fitted with thermal motor protector. • Strengthened cartridge seals. • Good compatibility and environment friendly. • Enhanced hydraulic efficiency. • Excellent chemical resistance to most of the acids, bases, chlorides & cleaning agents • Low noise level and vibration level. • Excellent long term dimensional stability for reliable and consistent performance • Light-Weight & Easy handling • High efficiency- low power consumption. • CED Coating parts for corrosion resistance that comes with an uniform coating, which provides 5 times more protection over conventional painting, resulting in longer life.

APPLICATIONS : • Industrial & Domestic Pressure Booster • Domestic Water Supply • Horticultural Irrigation • RO/DM Plant/water Circulation • Air Conditioning & Chiller Plant • Industrial Cleaning And Washing System

SUBMERSIBLE PUMP 4SS SERIES



PERFORMANCE :
Head : Max. 240 m
Rating : 0.5 HP - 7.5 HP
Discharge : Max. 300 LPM
Liquid Temp. : 0°C to 35°C

APPLICATIONS :
• Domestic & Residential water supply • Gardening and Small Farm Irrigation
• Washing systems & Fountains • Civil Applications use

FEATURES :
• Simple installation and maintenance free • Pump impellers are floating type.
• High efficiency design for low operation cost. • Wide hydraulic range.

DELIVERY : 32 mm, 38 mm, 50 mm

PRESSURE BOOSTER PUMPS (SCM SERIES)



PERFORMANCE :
Head, H : Max. 130 m
Flow, Q : 30 m^3/hr
Discharge : Max. 418 LPM
Rating : 0.5 HP to 10 HP

FEATURES : • Compact design • Worldwide usage • High reliability • Easy to service & 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

DELIVERY : 25 MM, 32 MM

RAPID SUCTION SRSC / SRSS SERIES



SRSC Series



SRSC Series



SRSS Series

PERFORMANCE :
Head, H : 3 m to 54 m
Discharge : 7 LPM to 58 LPM
Flow, Q : 3.5 m^3/hr
Rating : 0.5 HP to 1.5 HP

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

APPLICATIONS :
• Domestic use • Gardening • Pressure boosting system

DELIVERY : 25 MM

SHALLOW WELL PUMPS SSW SERIES



PERFORMANCE :
Head, H : 6 m to 39 m
Rating : 0.5 HP to 1 HP
Discharge : 2700 LPH to 450 LPH

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

APPLICATIONS : • Domestic use • Gardening • Pressure boosting system

DELIVERY : 25 MM

SOLAR PUMP & CONTROLLER



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.

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



PERFORMANCE :
POWER RATING • 0.75 to 15 HP (3 Phase)
AMP. RATING • 6 AMP to 25 AMP

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 LCD for easy operation • Powered with remote monitoring system

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

SIMHA LOTUS DRIVE



PERFORMANCE :
POWER RATING : 0.75 to 15 HP
AC VOLTAGE RANGE : 200V-460V (3 PHASE)
FAULT PROTECTION
AMP. RATING : 13 AMP
MAX. EFFICIENCY : > 97%

FEATURES : • IP 20 design with high power density • Supports wide variety of motors such as AC-IM, PMSM, IPMSM, S4RM etC. • Wide temperature range (-20 degree to 70 degree) • Independent data logging facilitY • Graphical LCD for easy operation • Auto, Manual and Speed control mode functionality using Digital control • Analog POT for Speed control • RS485 and RS232 connection for Digital communication • 8 digital inputs, 2 analog input and 2 Analog output for external control • Can operate from grid as well as solar.
APPLICATIONS : Run agricultural & Industrial motor pump sets using solar energy or three phase grid.

NANDI UNIVERSAL DRIVE



PERFORMANCE :
POWER RATING • 15 to 135 HP
AMP. RATING • 20 AMP to 210 AMP

FEATURES:
• Supports wide varieties of motors • Independent data logging facility • Dust-proof & rain-proof IP 65*design • Wide temperature range • Graphical LCD for easy operation • Inbuilt mobile charger port • Powered with remote monitoring system

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 INVERTOR



PERFORMANCE
Power Rating • 3 HP to 10 HP VFD (3 Phase) • 3 kW to 10 kW Grid Tie (3 Phase)

FEATURES:
• Pump runs from solar • Pump operation without grid is also possible • Works with ACIM, PMSM & IPMSM • Pump operation with grid is also possible in absence of solar • Simultaneous operation of VFD & inverter • Delivers additional power to grid

APPLICATIONS:
• Runs pump for agriculture • Feeds extra power to the grid

KALPAVRIKSHA GRID TIE INVERTOR



PERFORMANCE :
Power Rating • 3 kW to 10 kW (3 Phase)

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 LCD display • Intelligent digital control • Powered with remote monitoring system • GPRS/WiFi #enabled & blue tooth connectivity

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

BENEFITS : • Smooth operation • IP 65 ingress protection design • Graphical LCD display for easy monitoring • Wireless connectivity via blue tooth and GPRS/WiFi

KALPAVRIKSHA USPC UNIVERSAL SOLAR PUMP CONTROLLER



PERFORMANCE :
Power Rating • 3 HP to 10 HP VFD (3 Phase)

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 • Agrarian application support • Intelligent digital control • Powered with remote monitoring system • GPRS enabled & blue tooth connectivity • Shock-proof connections

APPLICATIONS :
• Runs various agrarian applications from solar such as pump, thresher, chaff cutter, atta chakki etc.

SUN SHAKTI INVERTER HYBRID & GRID TIE



PERFORMANCE :
Power Rating • 1 to 6 kVA (1 Phase)

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

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

ELITE SOFT STARTER

Patented Technology
IP No. 201721019554A, 201821013344 & 201821013345



PERFORMANCE :
Power Rating • 15 HP to 35 HP 0 AMP RATING • 25 to 55 AMP

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

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

A1 SMART STARTER



PERFORMANCE :
Power Rating • 0.5 HP to 15 HP (1 Phase) • 0.5 HP to 15 HP (3 Phase)
AMP Rating • 1 to 30 AMP

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

APPLICATIONS : Suitable for I-Phase / 3-Phase AC induction motor.

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 Blue tooth and GPRS.
• Inbuilt Space for Capacitor

DU DT FILTER



PERFORMANCE :
Power Rating • Upto 16 AMP.

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

APPLICATIONS : Reduces voltage spikes, common mode & bearing current.

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

RMS DONGLE



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
• Support 2G & 4G both

APPLICATIONS :
• IoT • RMS • Data Acquisition

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

4 INCH PREMIUM PLUG & PLAY PUMP



AUTO MANUAL SYSTEM (AMS)

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.

AMS APPLICATIONS

- Domestic / Industrial overhead water tanks

AMS FEATURE

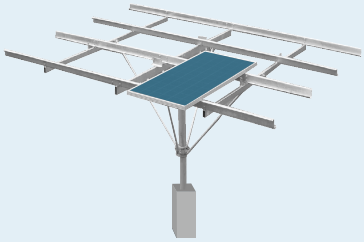
- Auto cut off when water tank is filled.
- Dry run protection facility to keep motor off when there is no water in bore well or tank (open well).
- Manual mode is also available to operate while no need of automatic operation.
- Easy connection and simple arrangement to make it user friendly.

SHAKTI-DUAL AXIS AUTO TRACKING STRUCTURE



FEATURES : • Equipped with battery and charging • system to operate actuators, hence • best suited in remote locations. • 30-35% more power as compare to non tracking structures. • Equipped with technology. • advancement (safety system) to make structure horizontal during storm. • Precise tracking. • Least expensive. • Z section purlin used for more strength. • Optimized weight and minimum area requirement. • Easy installation, transportation, stable and more reliable. • Wide range of modules can be fixed on this structure.

SOLAR MODULE MOUNTING STRUCTURE



FEATURES : • Design to withstand wind speed upto 150 kmph. • Provided with seasonal and day tracking facilities. • Easy installation, stable and more reliable design. • Excellent corrosion resistance property. • Shallow & Pile Foundation available. • Structure is made of rectangular pipe, square pipe, circular pipe, and 'Z' Purlin for more strength. • Galvanised fastener. • Design to enhance energy generation upto 30% • No power tool required for assembly • No welding required for installation. • Unique Non-Panetrating structure design make the installation drilling free for rooftop structure. • Hot dip galvanized with minimum thickness of 80 microns. Easy to handle and transport. Design to save space and cost.

APPLICATIONS : • 1. Most suitable for roof with less and premium space. • Suitable for agriculture applications. • For solar water pumping application. • Customize carport structures for car parking. • Suitable for industrial applications. • Suitable for power plant application.

CABLE



FEATURES :
Manufactured from bright annealed 99.97% pure bare copper conductors these cables have low conductor resistance. The inner cores are insulated with a special grade PVC compound formulated and manufactured in - house.
The tough robust outer PVC jacket protects it from the oils, greases, various chemicals and abrasions, there by giving long life and electrical safety.

RANGE :
1.5 SQ MM to 70 SQ MM

PIPES & DRIP RIGID, uPVC, CASING, HDPE



PIPE FEATURES : • Light Weight, Easy to Transport, carry, Handle & Install. • Saves energy very cost effective, long lasting. • Resistant to chemicals • Superior Design • Leak proof & economical & maintenance free

PIPE APPLICATIONS : • Domestic portable water supplies • Agriculture & Irrigation purpose • Industrial Mining & Chemical distribution purpose.

DRIP FEATURES : • Manufactured in state-of-the-art plant on Swiss machinery • Specially developed compounded polymer for drip is used as basic raw material (100%virgin) • An outcome of great deal of research • Stdndard quality checks at every level of manufacturing • Rich, experienced &skilled production team • No quality compromise in management business ideology .

DRIP APPLICATIONS • Agriculture & horticulture • Irrigation of fields & plants

21 June 2024 / R0
Sept 2024-25/L17/1000/VC 701332 SAP NO. 2000018661

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