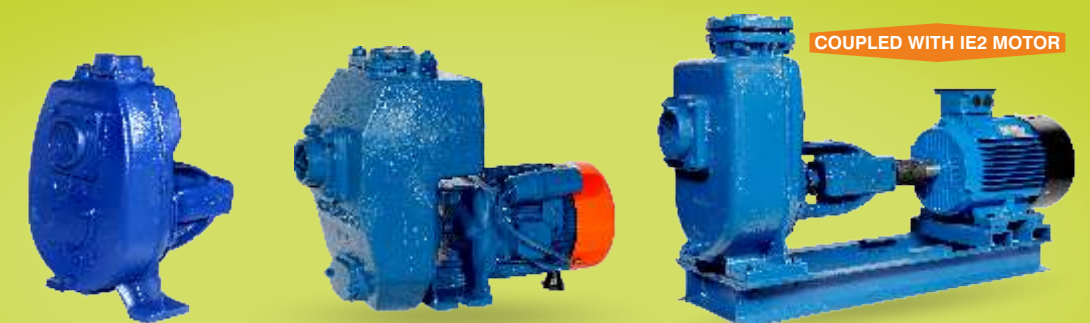




SELF PRIMING DEWATERING PUMPS



SP BS

SP M

SP COUPLED

TECHNICAL SPECIFICATION		
	SP BARE SHAFT/MOTOR COUPLED	SP MONOBLOC
Head Range	: Upto 44 metres	Upto 24 metres
Discharge Range	: Upto 80 lps	Upto 17.5 lps
Power Rating	: 0.75 - 18.7 kW (1 - 25 HP) Motor Coupled*	0.37 - 3.7 kW (0.5 - 5 HP)
Voltage Range	: 415±10% (For motor coupled only)	300 - 440V (Three Phase) 180 - 240V (Single Phase)
Class of Insulation	: F Class (Motor coupled only)	B / F Class
Protection	: IP 55	IP 44 / IP 55
*Energy Efficient IE2 Motor		

MATERIAL OF CONSTRUCTION			
	SP BARE SHAFT	SP MONOBLOC	SP MOTOR COUPLED
Impeller	: Cast Iron / Stainless Steel/ Bronze	Cast iron / Stainless Steel/ Bronze	Cast Iron / Stainless Steel/ Bronze
Motor Body	: -	Cast Iron	Cast Iron
Delivery Casing	: Cast Iron	Cast Iron	Cast Iron
Shaft	: Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel	Carbon Steel / Stainless Steel
Shaft Sleeve	: Stainless Steel	Stainless Steel (Bronze –SP-3LM+)	Stainless Steel
Sealing	: Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal	Gland Packed / Mechanical Seal

APPLICATIONS	
- Handling chemicals, effluents, sewage, ash-water - Dewatering foundation, trenches and pits - Flood water handling - Pumping water from docks, ports, vessels - Dewatering from basements, multi-storeys, shopping malls, godowns - Cooling water for marine engines and shovels	

FEATURES	
Self Priming No need of foot valve and priming pumpset every time for quicker operations.	
Non clog Impeller Non clog impeller to handle suspended soft solids upto 60 MM in size made it suitable for sewage and dewatering applications.	
Flatter Efficiency Curve Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.	
Designed to Prevent Overloading Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.	
Dynamically Balanced Rotating Parts Minimum vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.	
Replaceable Wearing Parts All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.	
Easy Maintainable Designs Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.	

PERFORMANCE CHART FOR 'SP' SERIES, SELF PRIMING, BARE / ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS, AT RATED SPEED																						
S. No.	Pump Model	Power Rating		Pump Size (mm)		Rated Voltage (Volts)	Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES												
										6	8	10	12	14	15	17	19	22	23	25	28	30
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND												
1	SP '0'	0.75	1	40	40	415	116	7.0	2760	4.6	4.1	3.6	2.7	1.5	0.8	-	-	-	-	-	-	-
2	SP 1H	1.5	2	40	40	415	134	8.5	2900	-	-	6.3	5.6	4.8	4.5	3.4	2.0	-	-	-	-	-
3	SP 2H	2.2	3	50	50	415	145	10.5	2900	-	-	9.2	8.7	8.1	7.8	7.0	6.0	4.2	3.5	1.8	-	-
4	SP 3L+	3.7	5	80	80	415	224	15.5	1450	-	-	18.0	16.5	13.5	11.5	8.0	2.5	-	-	-	-	-
5	SP 4LA+	7.5	10	100	100	415	292	18.5	1450	-	-	36.0	33.5	31.0	30.0	27.0	24.0	18.0	15.0	7.0	-	-
6	SP 4L+	9.3	12.5	100	100	415	292	23.0	1450	-	-	41.0	39.0	37.0	35.0	32.0	28.0	22.0	19.5	14.0	-	-
7	SP 6LA	15	20	150	150	415	296	34.0	1450	-	-	66.0	63.4	60.0	57.5	52.5	45.0	34.3	30.0	16.0	-	-
8	SP 6L	18.7	25	150	150	415	296	40.0	1450	-	-	75.0	72.5	68.7	66.2	61.3	55.0	45.0	40.0	27.5	-	-
9	SP 8LA	11	15	200	200	415	240	60.0	1450	-	80.0	72.0	60.0	32.0	20.0	-	-	-	-	-	-	-
										20	22	23	25	28	30	32	34	36	38	40	42	44
10	SP 3A	3.7	5	80	80	415	174	7.0	2900	10.0	9.2	8.7	7.5	5.2	3.7	1.9	-	-	-	-	-	-
11	SP 3	5.5	7.5	80	80	415	174	14.5	2900	16.5	16.2	16.0	15.0	12.5	10.5	8.0	5.5	3.0	-	-	-	-
12	SP 3HH	9.3	12.5	80	80	415	194	14.5	2900	-	-	-	18.7	18.0	17.3	16.5	15.0	12.5	10.5	8.5	6.5	5.0

Note: All pump sets are suitable with three phase Induction Motor. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR 'SP-M' SERIES, SELF PRIMING MONOBLOC PUMPS, AT RATED SPEED, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																
S. No.	Pump Model	Power Rating		Pump Size (mm)		Impeller Dia. (mm)	Rated Voltage (Volts)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES						
										6	8	10	12	14	15	18
		kW	HP	SUC.	DEL.					DISCHARGE IN LITRES PER SECOND						
1	SP 05'M*	0.37	0.5	40	40	116	210/415	5	2700	3.1	2.6	2.1	1.2	-	-	-
2	SP '0'M*	0.75	1	40	40	116	210/415	7	2700	4.4	4.0	3.2	2.3	1.0	-	-
3	SP 1HM	1.5	2	40	40	134	415	8.5	2800	-	-	5.9	5.1	4.2	3.1	1.5
4	SP 2HM	2.2	3	50	50	145	415	10.5	2800	-	-	8.7	8.2	7.4	6.5	5.5
5	SP 3LM+	3.7	5	80	80	224	415	15.5	1420	-	-	17.5	15.5	12.5	8.0	3.5

Note: SP 05M and SP0M are supplied with mechanical seal arrangement and also available in single phase. All other models are supplied with stuffing box arrangement for gland packed or mechanical seal as per the requirement.

PERFORMANCE CHART FOR 'SP' SERIES, SELF PRIMING, ENGINE COUPLED PUMPS, AT RATED SPEED																
S. No.	Pump Model	Power Rating		Pump Size (mm)		Impeller Dia. (mm)	Solid Handling Size (mm)	Rated Speed (RPM)	TOTAL HEAD IN METRES							
									10	12	14	15	16	18	19	20
		kW	HP	SUC.	DEL.				DISCHARGE IN LITRES PER SECOND							
1	SP3L+	4	6	80	80	224	15.5	1500	-	18.0	15.5	14.0	12.5	8.2	6.0	3.5
2	SP3L+	9	12	80	80	224	15.5	1800	-	-	-	-	22.0	21.0	20.0	19.0
3	SP4LA+	9	12	100	100	292	18.5	1500	-	36.0	33.9	32.5	31.0	28.0	26.6	25.0
4	SP4L+	10.5	14	100	100	292	23	1500	-	41.0	39.0	38.0	36.5	33.9	32.0	30.5
5	SP6LA	16.5	22	150	150	296	34	1500	68	66.0	63.0	62.0	59.0	53.5	51.5	48.0
6	SP6L	19.5	26	150	150	296	40	1500	-	76.0	73.0	71.0	68.0	63.5	61.5	58.0

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Effective from : 01-08-2023



Good quality products and customer service, continuous improvement in processes, systems and capabilities are the hallmark of leaders in business.

The Electrical Standard Products (ESP) business and New Product Development (NPD) function of L&T Electrical & Automation (E&A) have been awarded the Deming Prize 2019, by JUSE (Union of Japanese Scientists and Engineers), Japan.

The Deming Prize is one of the highest awards on Total Quality Management (TQM) in the globe. It is presented to an organization that has implemented TQM suitable for its management philosophy, scope/type/scale of business and management environment.

The TQM activities of ESP were evaluated for establishment of customer oriented objectives and strategies & top management leadership, suitable utilisation and implementation of TQM, effects obtained regarding business objectives and demonstration of organizational capabilities.

E&A's ESP is the first low voltage switchgear manufacturer in India that has received this recognition.



SMARTSHOP

Shop Smart Wherever You Are! SmartShop is now Online



Just a Scan Away!

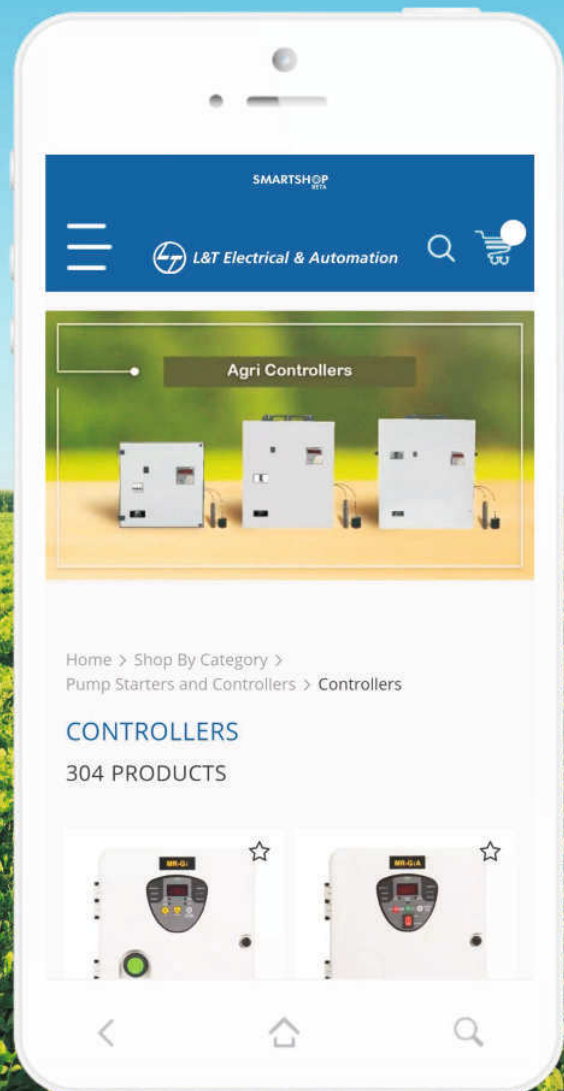
Search: electrical shops near me

All Maps Shopping Images Videos News

SMARTSHOP
5.0 ★★★★★ 0.0 m

**Zaroorat Jahan,
Bharosa Wahan!**

India's Trusted Online Electrical Store.



WE ARE JUST A SCAN AWAY FOR ALL YOUR NEEDS.



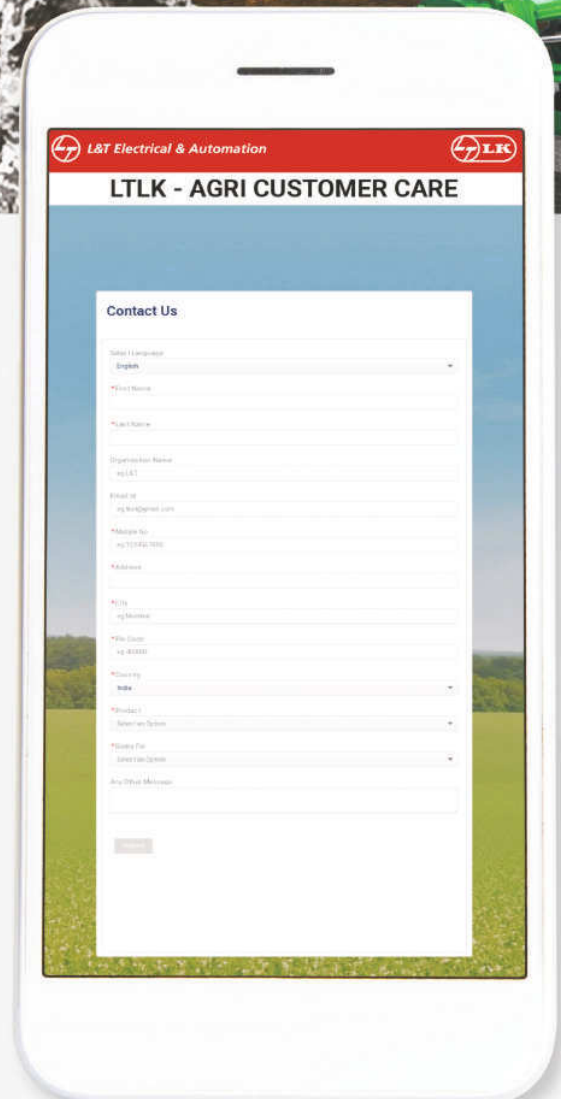
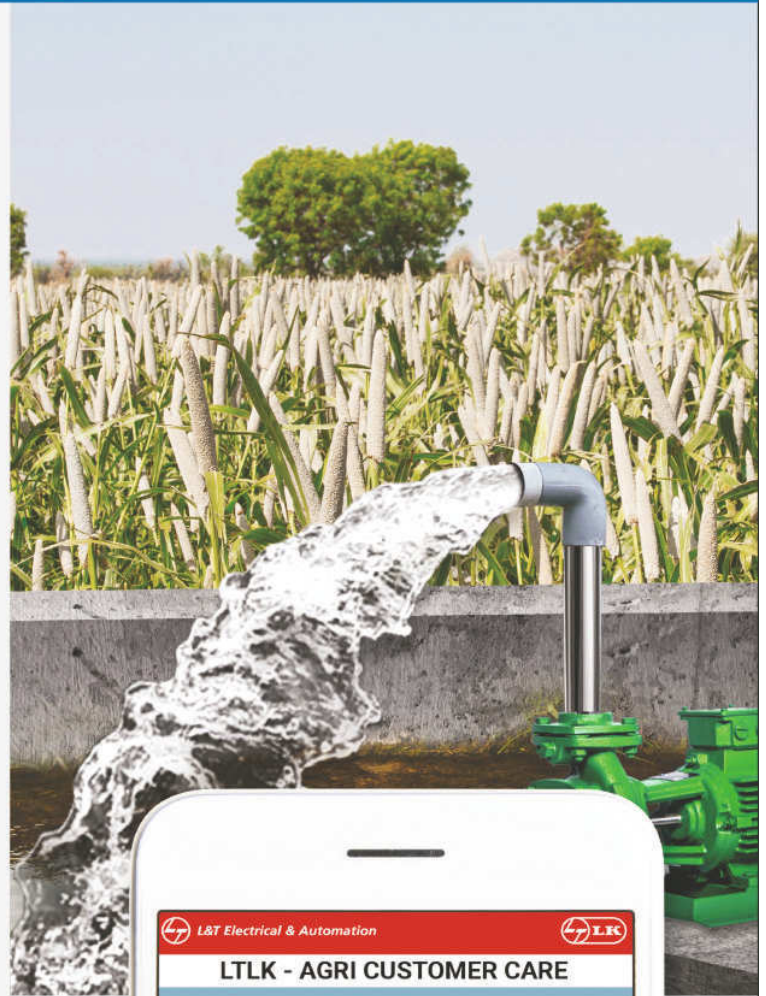
LTLK-AGRI CUSTOMER CARE

STEP 1 SCAN QR CODE

STEP 2 SELECT LANGUAGE

STEP 3 SUBMIT DETAILS

Easily submit your service complaints, demo requests, product information, and other queries.



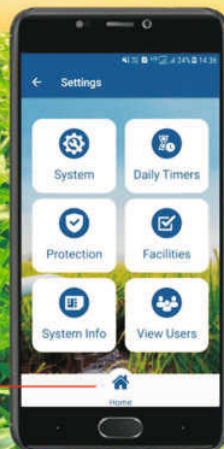
The smartphone screen displays the LTLK - AGRI CUSTOMER CARE form. The form is titled "Contact Us" and includes the following fields:

- Selected Language: English
- *First Name
- *Last Name
- Organization Name: agl&t
- Email id: agl@agrilink.com
- *Mobile No: agl 98441 7000
- *Address
- *City
- *Pin Code: agl 40000
- *Country: India
- *Product: System Option
- *Service For: System Option
- Any Other Message

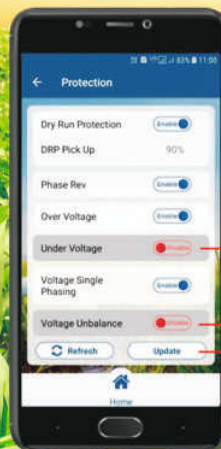
A "Submit" button is located at the bottom of the form.

LTLK Connect App

Connect Anywhere, Anytime...

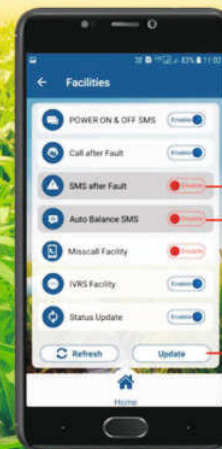


Dashboard



Click to change individual settings

Click to update settings



Click to customize individual facilities

Click to update change

One App for SMART Controller, Solar Controller and M-POWER Pro



Convenience of technology at your finger tips for remote operation

AGRI CUSTOMER CARE



Scan the QR code for any service, complaint, installation, or other support

SMARTSHOP



We are now online!
Scan the QR code to buy

When It Comes To Her Future, Never Lose Sight Of What's Important!



LTLK Solar Inverter MS-RE Series

From switching on life's important moments to empowering dreams, the **MS-RE Solar Inverter range from E&A** is your partner in ensuring life never stops. Designed for locations having unreliable or limited access to electricity, it delivers continuous and reliable power from solar and grid based on availability so **you never lose sight of what's important to you**



Fast Charging



Smart Battery
Management



Intelligent Modes For
Solar Prioritization



Saving On
Grid Electricity Usage



Compatible With
All Battery Types



Automatic No Load
Shutdown



Reliable



Alternative To Diesel



Scan the QR code to
MS-RE 1



Scan the QR code to
MS-RE 2

DIGITAL SINGLE PHASE CONTROLLER



Manual version



Auto version

**The
power of
flexibility
and
versatility**

FEATURES

- Microcontroller Based Solution
- Dry Run Protection
- UV/OV Protection
- Current, Voltage Metering
- Start & Run Capacitor
- Bypass Mode
- Off Timer
- Digital Display
- Capacitor cut-off
- Automatic Current Setting

- All features of Manual Version
- Inbuilt Water Level Controller
- WLC bypass feature
- Auto start capacitor switching
- Power on delay
- Dry Run auto reset timer
- Auto & Manual mode
- RTC based daily ON/OFF timer
- Timer count down display
- Cyclic timer
- Time Compensation

AGRI CUSTOMER CARE



Scan the QR code
for any service, complaint,
installation, or other support

SMARTSHOP



We are now online!
Scan the QR code to buy

SMART CONTROLLER

DOL & FASD

All-in-One Controller

HP Ratings
DOL - 6 to 10 HP
FASD - 15 to 75 HP



Explore
the futuristic
technology at your
fingertips
with LTLK
Connect App



- ★ Theft protection
- ★ Complete protection
- ★ Remote operation

The SMART Controller is a digital controller with the benefits of short circuit protection (with in-built MCB/MCCB) and the ability to monitor and control pump remotely with a mobile phone

AGRI CUSTOMER CARE



Scan the QR code for any
service, complaint or other support

SMARTSHOP



We are now online!
Scan the QR code to buy



TRULY
DIGITAL
AND
LOGICAL

Single Phase / Three Phase Starters



MU-2P Single Phase Starters [HSN Code 8536]



Interior View of
MU-2P DOL Starter

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.125 HP	1 - 1.6	CS90319KOMO	1	2350
0.25 HP	1.5 - 2.5	CS90319KOPO	1	2350
0.5 HP	2.5 - 4	CS90319KORO	1	2350
0.75 HP	4 - 6.5	CS90319KOTO	1	2350
1 HP	6 - 10	CS90319KOVO	1	2350
2 HP	9 - 14	CS90319KOAO	1	2350
2 HP	11 - 18	CS90319KOCO	1	2365
3 HP	13 - 22	CS90319KODO	1	2395



Interior View of
MF1 DOL - 1Ø Starter

MF1 Single Phase Starters [HSN Code 8536]

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.75 HP	4.5 - 7	SS97227OOTO	1	1650
1.25 HP	6.5 - 11	SS97227OOVO	1	1650
2 HP	10.5 - 17.5	SS97227OOBO	1	1650
3 HP	12 - 20	SS97227OOCO	1	1650



Interior View of
MF1 DOL - 3Ø Starter

MF1 Three Phase Starters [HSN Code 8536]

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.125 HP	0.4 - 0.65	SS97210OOHO	1	2175
0.25 HP	0.6 - 1	SS97210OOKO	1	2175
0.5 HP	1 - 1.6	SS97210OOMO	1	2175
1.25 HP	1.5 - 2.5	SS97210OOPO	1	2175
2 HP	2.5 - 4	SS97210OORO	1	2175
4 HP	4 - 6.5	SS97210OOTO	1	2175
6 HP	6 - 10	SS97210OOVO	1	2175
7.5 HP	9 - 15	SS97210OOBO	1	2175
7.5 HP	11 - 18	SS97210OOCO	1	2175

MK1 Starters



MK1 DOL Starters [HSN Code 8536]



Interior View of MK1 DOL

Suitable for Pump/ Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
0.25 HP	0.6 - 1			SS96210POKO	1	2595
0.5 HP	1 - 1.6		SS96210COMO	SS96210POMO	1	2595
1 HP	1.5 - 2.5		SS96210COPO	SS96210POPO	1	2595
2 HP	2.5 - 4		SS96210CORO	SS96210PORO	1	2595
4 HP	4 - 6.5	SS96210SOTO	SS96210COTO	SS96210POTO	1	2595
6 HP	6 - 10	SS96210SOVO	SS96210COVO	SS96210POVO	1	2595
7.5 HP	9 - 14	SS96210SOAO	SS96210COAO	SS96210POAO	1	2595
7.5 HP	11 - 18	SS96211SOCO	SS96211COCO	SS96211POCO	1	2662
7.5 HP	13 - 22	SS96228SODO	SS96228CODO	SS96228PODO	1	2730

Note: For Single Phase Starter application, please refer page no. 13

MK1 SASD Starters [HSN Code 8536]



Interior View of MK1 SASD

Suitable for Pump/ Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96255COTO		1	9375
10 HP	6 - 10	SS96255COVO	SS96255POVO	1	9375
12.5 / 15 HP	9 - 14	SS96255COAO	SS96255POAO	1	9375
15 HP	11 - 18	SS96258COCO	SS96258POCO	1	9455
15 HP	13 - 22	SS96260CODO	SS96260PODO	1	9570

MK1 FASD Starters [HSN Code 8536]



Interior View of MK1 FASD

Suitable for Pump/ Motor 3Ø, 415V 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96254COTO	SS96254POTO	1	10345
10 HP	6 - 10	SS96254COVO	SS96254POVO	1	10345
12.5 / 15 HP	9 - 14	SS96254COAO	SS96254POAO	1	10345
15 HP	11 - 18	SS96257COCO	SS96257POCO	1	10445
15 HP	13 - 22	SS96259CODO	SS96259PODO	1	10505

MR-Gi Digital Single Phase Controllers - Manual & Auto



Manual version

FEATURES

Auto version



- Microcontroller Based Solution
- Dry Run Protection
- UV/OV Protection
- Current, Voltage Metering
- Start & Run Capacitor
- Bypass Feature
- Off Timer
- Digital Display
- Capacitor cut-off
- Automatic Current Setting

All features of Manual Version

- Inbuilt Water Level Controller
- WLC bypass feature
- Auto start capacitor switching
- Power on delay
- Dry Run auto reset timer
- Auto & Manual mode
- RTC based daily ON/OFF timer
- Timer count down display
- Cyclic timer
- Time Compensation



MR-Gi (Manual) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-Gi (Manual)	0.5 Hp	CS91321NAOC	80 / 100	1 x 25	4060
		CS91321NAOE	80 / 100	1 x 36	
	1 Hp	CS91322NBOE	100 / 120	1 x 36	4270
		CS91322NBOG	100 / 120	1 x 50	
		CS91322NCOE	120 / 150	1 x 36	
		CS91322NCOG	120 / 150	1 x 50	
	1.5 Hp	CS91323NCOG	120 / 150	1 x 50	4470
		CS91323NCOF	120 / 150	2 x 36	
		CS91323NCOJ	120 / 150	1 x 72	
		CS91323NDOG	150 / 200	1 x 50	
		CS91323NDOF	150 / 200	2 x 36	
	2 Hp	CS91324NDOF	150 / 200	2 x 36	4660
		CS91324NDOH	150 / 200	2 x 50	
		CS91324NDOJ	150 / 200	1 x 72	
		CS91324NEOF	200 / 250	2 x 36	
		CS91324NEOG	200 / 250	1 x 50	
	3 Hp	CS91324NEOJ	200 / 250	1 x 72	4855
		CS91325NEOH	200 / 250	2 x 50	

MR-GiB (Auto) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-GiB (Auto)	0.5 Hp	CS91718NAOC	80 / 100	1 x 25	5095
		CS91718NAOE	80 / 100	1 x 36	
	1 Hp	CS91719NBOE	100 / 120	1 x 36	5295
		CS91719NBOG	100 / 120	1 x 50	
		CS91719NCOE	120 / 150	1 x 36	
		CS91719NCOG	120 / 150	1 x 50	

i-PROTECTOR



Features

- ◆ Micro-controller based protection design
- ◆ Digital Ammeter and Voltmeter in select variants
- ◆ Auto/Manual/Bypass Mode available
- ◆ Suitable for all starters - upto 40A
- ◆ Protections available - Voltage Single Phasing, Current Single Phasing, Voltage unbalance fault from supply side, Current unbalance fault from motor side, Phase reversal fault, Under voltage fault, Overvoltage fault
- ◆ Dry-run fault protection (With adjustable current setting and adjustable reset time)

Recommended i-PROTECTOR for our starters:

Product	DOL							Star - Delta				
	3-Phase Starter			1- Phase Starters	3- Phase Controller		1- Phase Controller	3-Phase SASD / FASD Starters		3-Phase Controller (FASD)		
	MK1 / MK2	MU1 / MU1H / MU2 / MU3	MB1 / MB2	MU-2P	MU-G6	MU-G10 / MU-G10H	MR-G2 / MR-G3	MK1	MU1 / MU2	MB1 / MB2	MU-G15	MU-G20 / MU-G20H
i-AD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
i-ADS / i-ADSM	✓	✓	✓		✓*	✓*		✓	✓	✗	✓*	✓*
i-VDS / i-VDSM	✓	✓	✓		✓*	✓*		✓	✓	✗	✓*	✓*

* Note: MU-G Controller is provided with Sz5 /Sdz5. In case of upgradation, use i-ADS, i-ADSM, i-VDS, i-VDSM in place of SPPR

✓ Note: i-Protector is compatible with the mentioned starter

i-PROTECTOR [HSN Code 8536]

Product Designation	Product Details	240 V	360 V	380 V	415 V	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
i-AD	Dry run protection relay (current based)	CS90861B000				1	1305
i-AD	Dry run protection relay (current based)		CS90861C000	CS90861L000	CS90861D000	1	1340
i-ADS	Single phasing preventer & dry run protection relay (current based)		CS90862C000	CS90862L000	CS90862D000	1	2235
i-ADSM	Single phasing preventer & dry run protection relay + VI meter (current based)		CS90863C000	CS90863L000	CS90863D000	1	2840
i-VDS	Single phasing preventer & dry run protection relay (voltage based)		CS90866C000	CS90866L000	CS90866D000	1	2075
i-VDSM	Single phasing preventer & dry run protection relay + VI meter (voltage based)		CS90875C000	CS90875L000	CS90875D000	1	2840

Please see the Note at the bottom of the page

WIRE HARNESSES FOR i-PROTECTOR [HSN Code 8544]



Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wire Harness, i-AD (230V-Single Phase)	CS916330000	1	260
Wire Harness, i-AD (Three Phase)	CS916340000	1	300
Wire Harness, i-ADS, i-ADSM, i-VDS, i-VDSM	CS916350000	1	370

Note : Different voltage variants of i-PROTECTOR are as per the coil voltages of our agri contactors and are to be suitably selected.

100 1920
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



ETERNA SW/BW

SEWAGE DE-WATERING
SUBMERSIBLE PUMPS



SW



BW

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

ETERNA SW/BW

SEWAGE DE-WATERING SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATION

Head Range	: Upto 12 metres
Discharge Range	: Upto 330 LPM
Power Ratings	: 0.75 to 1.8 kW (1 to 2.5 HP)
Voltage Range	: 180 to 240 Volts (Single Phase)
Protection	: Ip68
Insulation	: SW - F Class / BW - B Class
Cable Length	: 9.5 meters
pH Value	: 4 - 10
Max. Liquid density	: $1.2 \times 10^3 \text{ kg/m}^3$
Max. liquid temperature	: +40°C

MATERIAL OF CONSTRUCTION

	SW	BW
Impeller	: Noryl	Cast Iron
Delivery Casing	: Stainless Steel	Cast Iron
Motor Body	: Stainless Steel	Stainless Steel
Pump Shaft	: Stainless Steel	Stainless Steel
Cutter	: -	40 Cr Steel

APPLICATIONS

- Removing stagnant water from basement / underground parkings / garages
- Draining accumulated storm water during monsoons
- Emptying water-tanks and pits for cleaning
- Waste water from kitchens, hotels, clubs
- Surplus water from sumps

FEATURES

Automatic On – Off Switch

Pre-fitted float switch ensure that the pump start and stop automatically as per need. This protects the pump from dry running and burning.

Ready To Use

No installation required, just drop it in the tank, and it is ready to use.

Corossion Free

Stainless steel body and other rust free parts prevent corrosion.

TOP - Thermal Overload Protector

The pumpset features a thermal overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

PERFORMANCE CHART FOR SW AND BW PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE-PHASE AC POWER SUPPLY

S. No.	Pump Model	Power Rating		Del. Size (mm)	Rated Voltage (Volts)	TOTAL HEAD IN METRES									Max. Solid Size (mm)	Min. Sub. From Bottom (mm)
		kW	HP			3	4	5	6	7	8	9	10	12		
						DISCHARGE IN LITERS PER MINUTE										
1	750SW	0.75	1.0	40	220	180	150	120	95	60	-	-	-	-	15	370
2	1000SW	0.93	1.25	40	220	-	-	200	180	150	120	90	50	-	15	390
3	1300BW	1.3	1.75	50	220	-	-	-	270	240	204	162	132	60	10	530
4	1800BW	1.8	2.5	65	220	-	-	-	330	300	240	180	120	-	10	630

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

1800 103 4443



VARSHA

AIR-COOLED PUMPSET

Features :

- Model: Varsha
- Type: 4HP & 5HP
- Pump Size: 80X80mm & 80X65mm
- Highly Reliable & Fuel Efficient

TECHNICAL SPECIFICATION

Model	Units	VA 320-2		VA 320-4
Cubic capacity	Ltr	0.318		0.318
Compression Ratio		22:01		22:01
BORE X STROKE	mm	74 x 74		74 x 74
Rated Output	kW/Hp	2.94/4		3.7/5
Rated Speedrpm		1800		2600
Specific fuel Consumption	(gm/hp-hr)	360		280
Lube Oil Sump Capacity	Ltr	1		1
Lube Oil Consumption	%	1% of SFC Max.		
Fuel Tank Capacity	Ltr	4.5	4.5	4.5
Dimension LXWXH	MM	366x623x402		
Engine weight	Kg	43	43	43
Flywheel rotation		Anti clock wise		
Power take-off		Flywheel end		
Starting		Hand Start		
Governing		CLASS "B1"		
Combustion system		Indirect Combustion		
Overloading Capacity of Engine		10% of the rated output		

PUMP SPECIFICATION : Pump Type - Centrifugal

Model	Pipe size in mm	Impeller Dia. (mm)	Rating(HP) /speed (RPM)	Performance	Total Head Range in Metres									
	Suction x Delivery													
				Discharge in LPS	12	10.5	9.5	8.5	8					
VA 320-2	80 x 80	155	4/1800		7.6	8	9	9.5	10	10.5				
					17.7	15	13	12.5	9	8.3				
VA 320-4	80 x 65	156	5/2600		18.4	19	21	23	24	24.2				
					11.7	11.5	10.7	9.5	8.3	8.2				
VARSHA 4 HD	100 x 100	154	4/1800		6	7	8	9	10	11	12			
					22.5	22	21	20	19	17	15			
VARSHA 5 HD	100 x 100	128	5/2600		7	8	9	10	11	12	13	14	15	
					34	33	30	27	24	20	17	14	10	

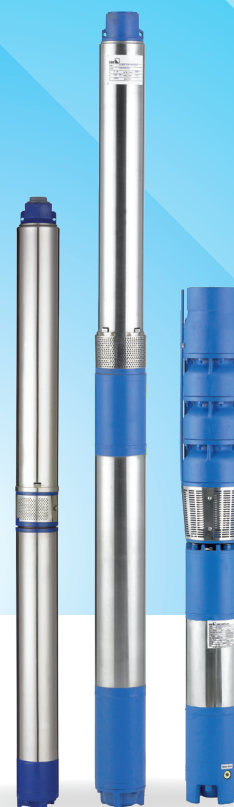
► Our technology. Your success.

Pumps ■ Valves ■ Service



CORA-100 mm (4")

Borewell Submersible Pumpset



Pumps **Made in India**
with trusted German Technology

CORA- 100mm (4”) Borewell Submersible Pumpset

KSB is one of the most trusted brand of Submersible pumpsets in India. With the deep rooted experience of over 150 years, the German company offers round the clock Sales & Service support with its wide spread dealer network in India.

The 100 mm submersible pumpsets have unique features like long lasting Stainless Steel jacket and special thrust bearing arrangement impart amazing power with surprisingly low maintenance cost and low noise. The world renowned German technology promises more force for high-rise buildings, towers etc. A safe, and superior solution to water lifting requirements.

Get a KSB Submersible Pumpsets and let your high rise drench in happiness today !

Special Features : • High efficiency • Lower power consumption • Corrosion and abrasion free internals • Special thrust bearing design • Stainless Steel jacket • Noiseless	Operating range : • Well Diameter : 100 mm • Capacity : up to 140 LPM • Head : up to 400 meter • Power : 1Ø up to 2.2 kW (5HP) 3Ø up to 5.5 kW (7.5HP)
--	---

Applications :

- Domestic water supply
- Drip / Sprinkler irrigation
- Farm house
- High rise buildings
- In-well bore
- Fire fighting
- Industries



CORA 2C + UMT-O (S) 100

Motor type	Motor rating		Pump type & Stage	Cable size	Rated Current	m³/hr.	Discharge					
							0.0	1.1	1.6	2.0	2.5	2.8
UMT-O (S) 100	kW	HP	CORA 2C /	mm²	A	lpm	0	18	27	33	42	47
0.37 / 2	0.37	0.50	7	1.5	3.7	Head (m)	42	38	33	28	21	15
0.55 / 2	0.55	0.75	11	1.5	4.7		66	60	52	45	33	24
0.75 / 2	0.75	1.00	13	1.5	5.7		78	71	62	53	39	28
0.75 / 2	0.75	1.00	15	1.5	5.7		90	82	71	61	45	33
1.1 / 2	1.10	1.50	18	1.5	8.5		108	98	86	73	54	39
1.1 / 2	1.10	1.50	21	1.5	8.5		126	114	100	85	63	46
1.1 / 2	1.10	1.50	23	1.5	8.5		138	125	109	93	69	50
1.1 / 2	1.10	1.50	25	1.5	8.5		150	136	119	101	75	55
1.5 / 2	1.50	2.00	27	1.5	11.5		162	147	128	109	81	59
1.5 / 2	1.50	2.00	30	1.5	11.5		180	164	143	122	90	65

CORA 2C + LX PLUS (S) 100

Motor type	Motor rating		Pump type & Stage	Cable size	Rated Current	m³/hr.	Discharge					
							0.0	1.1	1.6	2.0	2.5	2.8
LX Plus (S) 100	kW	HP	CORA 2C /	mm²	Amp	lpm	0	18	27	33	42	47
1 / 22	0.37	0.50	7	1.5	4.6	Head (m)	42	38	33	28	21	15
3 / 22	0.55	0.75	11	1.5	5.6		66	60	52	45	33	24
5 / 22	0.75	1.00	13	1.5	7.3		78	71	62	53	39	28
5 / 22	0.75	1.00	15	1.5	7.3		90	82	71	61	45	33
13 / 22	1.10	1.50	18	1.5	10		108	98	86	73	54	39
13 / 22	1.10	1.50	21	1.5	10		126	114	100	85	63	46
13 / 22	1.10	1.50	23	1.5	10		138	125	109	93	69	50
13 / 22	1.10	1.50	25	1.5	10		150	136	119	101	75	55
14 / 22	1.50	2.00	27	2.5	12.5		162	147	128	109	81	59
14 / 22	1.50	2.00	30	2.5	12.5		180	164	143	122	90	65

CORA 2C + XUMA DX (S) 100

Motor type	Motor rating		Pump type & Stage	Cable size	Rated Current	m³/hr.	Discharge					
							0.0	1.1	1.6	2.0	2.5	2.8
XUMA DX (S) 100	kW	HP	CORA 2C /	mm²	Amp	lpm	0	18	27	33	42	47
1 / 22	0.37	0.50	7	1.5	4.8	Head (m)	42	38	33	28	21	15
2 / 22	0.55	0.75	11	1.5	5.8		66	60	52	45	33	24
4 / 22	0.75	1.00	13	1.5	7.3		78	71	62	53	39	28
4 / 22	0.75	1.00	15	1.5	7.3		90	82	71	61	45	33
6 / 22	1.10	1.50	18	1.5	10		108	98	86	73	54	39
6 / 22	1.10	1.50	21	1.5	10		126	114	100	85	63	46
6 / 22	1.10	1.50	23	1.5	10		138	125	109	93	69	50
6 / 22	1.10	1.50	25	1.5	10		150	136	119	101	75	55
7 / 22	1.50	2.00	27	2.5	13		162	147	128	109	81	59
7 / 22	1.50	2.00	30	2.5	13		180	164	143	122	90	65

Agricultural Pumps - 2022 Selection Chart



Pumps made in India with trusted German Technology



KSB Submersible, mini-monobloc, monobloc & openwell submersible pumpsets

KSB is the pioneer of Submersible pumpsets in India! It is one of the most trusted brands of Pumps and Valves not only in India, but the world over.

World class pumpsets are designed and manufactured using best quality materials in their class. Pump and motor components are manufactured using ultramodern manufacturing techniques. Components pass through the most stringent quality checks delivering “top of the line” product to the customer.

With the deep rooted experience of over 150 years worldwide, and with over 60 years in India, KSB offers the Indian customers - “round the clock” - Sales & Service support from its 4 zonal offices, 14 branch offices, 6 service stations, over 200 authorized service centers and more than 1000 dealers in the country.

Get a KSB pumpset and let your happiness soar to greater heights ! Experience the joy of being a KSB Customer!



World Class Infrastructure to Cater to Every Need

To cater to the needs of the new and emerging India, KSB India has invested in world class facilities and technologies to cater to the demands of the Indian sub continent. Our world class facilities in India are fully equipped to advise customers, design, test, fabricate and quality-assure on all aspects of fluid mechanics in India. All our plants in Pimpri, Chinchwad, Vambori, Coimbatore, Sinnar and Shirwal are a showcase of immaculate manufacturing and engineering practices!

Each facility dedicated to a market segment and a product line! In-house design and manufacture of jigs, fixtures and dies under strict tolerances ensure that the highest levels of quality are maintained.

An ISO 9001 and an ISO 14001 organization, KSB in India has systematized concurrent production of dissimilar components. All components, each with different specifications, flow through the computer controlled manufacturing process.

The six facets of KSB India are :

1. Irrigation and Process Division, Pimpri (Pune)
2. Foundry Division, Vambori (Ahmednagar)
3. Power Projects Division, Chinchwad (Pune)
4. Industrial Valves Division, Coimbatore
5. Standard Pumps Division, Nashik
6. Energy Pumps Division, Shirwal (Pune)



100 mm (4") Borewell Submersible Pumpsets : CORA 4C + UMA I 100

Motor type	Motor rating		Pump type	Cable Size	Rated Current	Discharge						
UMA I 100	kW	HP	CORA 4C	mm ²	A	m ³ /hr.	0.0	2.0	3.0	4.0	5.0	6.0
						lpm	0	33	50	67	83	100
0.75 / 22	0.75	1.00	6	1.5	2.4	Head (m)	36	35	33	30	25	19
0.75 / 22	0.75	1.00	8	1.5	2.4		49	47	44	40	33	25
1.1 / 22	1.10	1.50	10	1.5	3.2		61	59	56	50	41	31
1.1 / 22	1.10	1.50	12	1.5	3.2		73	71	67	60	50	37
1.5 / 22	1.50	2.00	15	1.5	4.1		91	89	83	74	62	47
2.2 / 22	2.20	3.00	17	2.5	5.8		103	101	94	84	70	53
2.2 / 22	2.20	3.00	19	2.5	5.8		115	113	105	94	78	59
2.2 / 22	2.20	3.00	23	2.5	5.8		140	136	128	114	95	71
3.0 / 22	3.00	4.00	25	2.5	7.4		152	148	139	124	103	78
3.0 / 22	3.00	4.00	30	2.5	7.4		182	178	167	149	124	93
3.7 / 22	3.7	5.0	35	2.5	9.2		212	208	195	174	145	109
3.7 / 22	3.7	5.0	40	2.5	9.2		243	238	222	198	166	124
4.5 / 22	4.5	6.0	40	2.5	12.4		243	238	222	198	166	124

Power supply : 400V, 50Hz, 3Ph
 Starting method : DOL
 Cable Length : 3 meters
 Minimum Well Diameter : 100 mm
 NRV Size : 38 mm
 Nominal speed : 2900 rpm
 Rotor : Copper



100 mm (4") Borewell Submersible Pumpsets : 4HH + UMA & UMAI 100 / (100 mm)

Motor type	Motor rating		Pump type	Cable Size	Rated Current	Discharge						
UMA I 100	kW	HP	CORA 4C	mm ²	A	m ³ /hr.	0.0	2.0	3.0	4.0	5.0	6.0
						lpm	0	33	50	67	83	100
0.75 / 22	3.0	4.0	30	2.5	7.4	Head (m)	187	174	165	147	122	92
0.75 / 22	3.7	5.0	35	2.5	9.2		218	203	193	172	142	107
1.1 / 22	3.7	5.0	40	2.5	9.2		249	232	220	196	162	122
1.1 / 22	4.5	6.0	45	2.5	12.4		280	261	248	221	182	137
1.5 / 22	4.5	6.0	50	2.5	12.4		311	290	275	245	203	153
2.2 / 22	5.5	7.5	55	2.5	14.3		342	319	303	270	223	168
2.2 / 22	5.5	7.5	60	2.5	14.3		373	348	330	294	243	183

Power supply : 400V, 50Hz, 3Ph
 Starting method : DOL
 Cable Length : 3 meters
 Minimum Well Diameter : 100 mm
 NRV Size : 38 mm
 Nominal speed : 2900 rpm
 Rotor : Copper

100 mm (4") Borewell Submersible Pumpsets : **CORA 7C & 7D + XUMA DX (S) 100**

Pump type	Motor type	Motor rating		Cable Size	Rated Current	Discharge						
CORA 7C & 7D	XUMA DX (S) 100	kW	HP	mm ²	A	m ³ /hr.	0.0	2.0	4.0	6.0	8.0	10.0
						lpm	0	33	67	100	133	167
12	10 / 23	2.20	3.00	2.5	17.5	Head (m)	84	82	78	69	52	30
13	10 / 23	2.20	3.00	2.5	17.5		91	89	85	74	56	32
15	10 / 23	2.20	3.00	2.5	17.5		105	102	98	86	65	37

Power supply : 220V, 50Hz, 1Ph
 Starting method : CSCR
 Cable Length : 3 meters
 Minimum Well Diameter : 100 mm
 NRV Size : 38, 50 mm
 Nominal speed : 2900 rpm
 Rotor : Copper

100 mm (4") Borewell Submersible Pumpsets : **CORA 7C & 7D + UMA I 100**

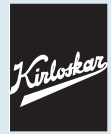
Motor type	Motor rating		Pump type	Cable Size	Rated Current	Discharge						
UMA I 100	kW	HP	CORA 7C & 7D	mm ²	A	m ³ /hr.	0.0	2.0	4.0	6.0	8.0	10.0
						lpm	0	33	67	100	133	167
0.75 / 22	0.75	1.00	5	1.5	2.4	Head (m)	35	34	33	29	22	12
1.1 / 22	1.10	1.50	7	1.5	3.2		49	48	46	40	30	17
1.5 / 22	1.50	2.00	10	1.5	4.1		70	68	65	57	43	25
2.2 / 22	2.20	3.00	12	2.5	5.8		84	82	78	69	52	30
2.2 / 22	2.20	3.00	13	2.5	5.8		91	89	85	74	56	32
2.2 / 22	2.20	3.00	15	2.5	5.8		105	102	98	86	65	37
3.0 / 22	3.00	4.00	19	2.5	7.4		134	129	124	109	82	47
3.7 / 22	3.70	5.00	22	2.5	9.2		155	150	144	126	95	54
3.7 / 22	3.70	5.00	25	2.5	9.2		176	170	163	143	108	62
4.5 / 22	4.50	6.00	31	2.5	12.4		218	211	202	177	134	77
5.5 / 22	5.50	7.50	35	2.5	14.3		246	238	229	200	152	86

Power supply : 400V, 50Hz, 3ph
 Starting method : DOL
 Cable Length : 3 meters
 Minimum Well Diameter : 100 mm
 NRV Size : 38, 50 mm
 Nominal speed : 2900 rpm
 Rotor : Copper



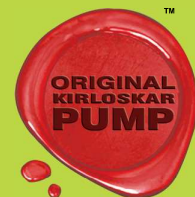
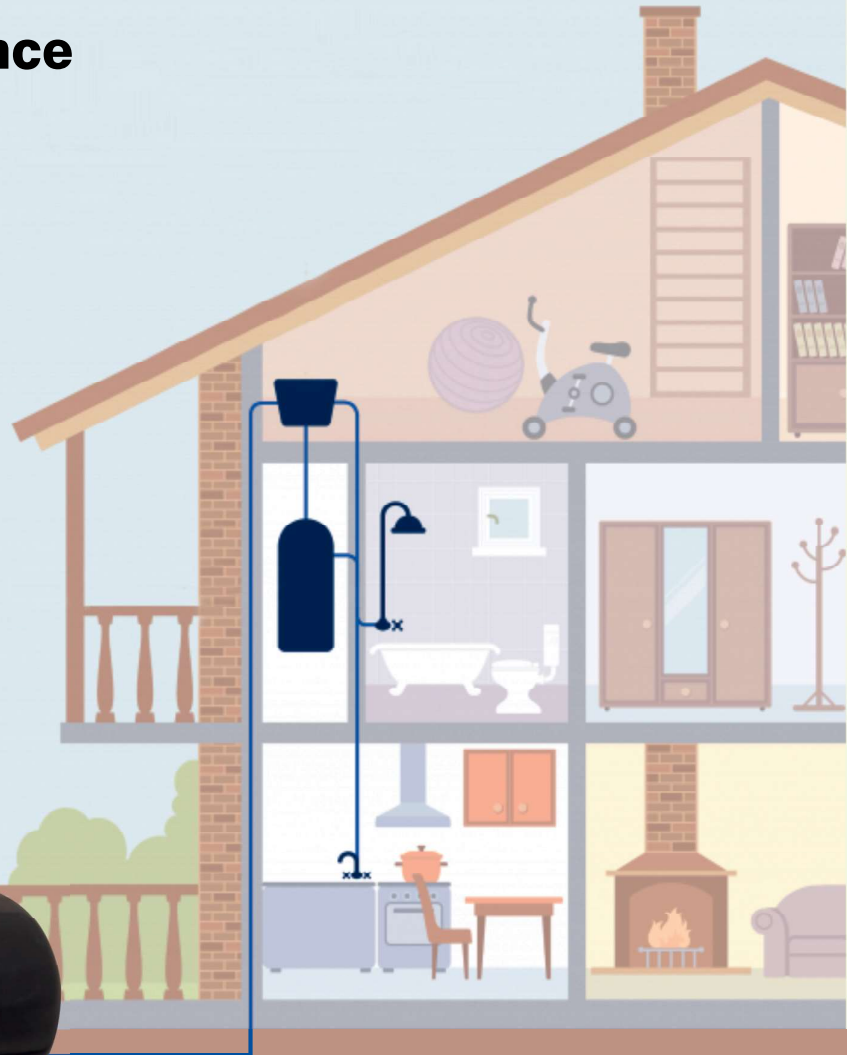
KIRLOSKAR K-Booster

100 1920
2020
KIRLOSKAR BROTHERS LTD.



Enriching Lives

**Revolutionary,
World Class Performance**



Est. 1888

KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

Kirloskar K-Booster

Pressure Boosting System

TECHNICAL SPECIFICATION

Head Range	Upto 28 meters
Discharge Range	Upto 2050 LPH
Power Rating	0.37 kW (0.5 HP)
Pressure Range	Upto 2.4 kg/cm ²
Voltage range	180 to 260 Volts (Single phase)
Insulation	B Class
Protection	IP 44
Tank Size	2 Litres

APPLICATIONS

- Bathroom Showers
- Consistent pressure at multi outlets
- Washing machine, Gas Geyser
- Pressurised washing of vehicles
- Kitchenware washing

FEATURES

Fully Automatic System

No need to ON and OFF, it automatically gets ON when the pressure drops to pre-set pressure and cuts OFF when it reaches to maximum pre-set pressure.

Compact and Robust Design

Occupies less space due to compact design. Dynamically balanced rotating parts, superior quality bearings ensure reliable operations.

Durable Component

Reliable and durable peripheral parts such as Pressure Switch and Tank provides better life to system.

Thermal Overload Protector(TOP)

The pump set comes with a Thermal Overload Protector (TOP) that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

Y- strainer

Y strainer help in removing undesired solids from inlet water.

PERFORMANCE OF K-BOOSTER, PRESSURE BOOSTING SYSTEM, AT RATED VOLTAGE, 50 Hz, SINGLE PHASE A.C. POWER SUPPLY

Sr. No.	PUMP MODEL	POWER RATING		PIPE SIZE (MM)		RATED CURRENT (IN AMPS)	RATED VOLTAGE (VOLTS)	PRESSURE RANGE (kg/cm ²)	TOTAL HEAD IN METERS						
		kW	HP	Suc	Del				6	10	14	18	22	26	28
									DISCHARGE IN LITRES PER HOUR						
1	Kirloskar K-Booster	0.37	0.5	25	25	3	220	1.4 - 2.4	2050	1655	1400	1150	865	500	360

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.



Kirloskar K-Booster-01-2020-00



KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company
Established 1888

Service Toll-Free No.

1800 103 4443

100

1920
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KOSM

THREE PHASE
OPEN-WELL PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	:	Upto 38 metres
Discharge Range	:	Upto 11 lps
Power Ratings	:	0.37 to 1.5 kW (0.5 to 2 HP)
Voltage Range	:	300 to 440 Volts (Three Phase)
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron / Noryl
Delivery Casing	:	Cast Iron
Motor Body	:	Cast Iron
Shaft	:	Stainless Steel

APPLICATIONS

- Domestic and community water supply
- Gardening and small farm irrigation
- Water fountains
- Construction site
- Water supply to over head tanks

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low voltage.

Lightweight And Compact Design

Constructed with special grade engineering materials, compact designs for ease of handling and installation.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that the pump can be serviced even at remote locations by semi-skilled technicians.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

High Efficiency And Energy Saving Design

Innovative design manufactured at state-of-the-art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

Advanced Water Cooled Motors Designs

The motor is filled with potable water which protects it from overheating and facilitates smoother and trouble free operation for years.

PERFORMANCE CHART FOR 'KOS-M' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES													
		kW	HP	SUC.	DEL		8	10	12	14	16	18	20	22	24	26	28	30	32	34
							DISCHARGE IN LITERS PER SECOND													
1	KOS-0516M	0.37	0.5	25	25	415	1.7	1.6	1.5	1.3	0.9	0.4	-	-	-	-	-	-	-	-
2	KOS-116M	0.75	1.02	50	40	415	4.8	4.4	3.9	3.1	1.9	-	-	-	-	-	-	-	-	-
3	KOS-123M	0.75	1.02	32	25	415	4.8	4.6	4.2	3.8	3.5	3	2.4	1.6	-	-	-	-	-	-
4	KOS-128M	0.75	1.02	25	25	415	-	-	1.9	1.8	1.8	1.7	1.5	1.2	0.6	-	-	-	-	-
5	KOS-134M	0.75	1.02	25	25	415	-	-	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.1	0.9	0.6	0.2
6	KOS-1.522M	1.1	1.5	50	40	415	6.1	5.8	5.3	4.8	4.3	3.6	2.5	-	-	-	-	-	-	-
7	KOS-1.525M	1.1	1.5	50	40	415	-	-	-	-	3.4	3.2	2.9	2.6	2.4	2.1	1.7	1	-	-
8	KOS-216M	1.5	2	65	50	415	11	9.9	8.7	7	-	-	-	-	-	-	-	-	-	-
9	KOS-225M	1.5	2	50	40	415	-	-	4.8	4.6	4.4	4.2	3.7	3.2	2.5	-	-	-	-	-
10	KOS-235M	1.5	2	50	40	380	-	-	4.4	4.2	4	3.8	3.5	3.2	2.9	2.5	2	1.4	0.2	-
							12	14	16	18	20	22	24	26	28	30	32	34	36	38
11	KOS-1.540M	1.1	1.5	32	25	415	-	-	-	-	-	-	1.9	1.8	1.6	1.4	1.3	1.1	0.9	0.6

Note : All models are also available in single phase. expect KOS-235M
Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

1800 103 4443

100

1920
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KOS

THREE PHASE
OPEN-WELL PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	:	Upto 76 metres
Discharge Range	:	Upto 38 lps
Power Ratings	:	2.2 to 11.2 kW (3 to 15 HP)
Voltage Range	:	200 to 440 Volts
Insulation	:	B Class
Protection	:	IP 68

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Motor Body	:	Cast Iron
Delivery Casing	:	Cast Iron
Shaft	:	Stainless Steel

APPLICATIONS

- Industrial service water supply schemes
- Domestic and community water supply
- Construction site
- Irrigation in horticulture & agriculture
- Water supplies for high rise building

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low voltage.

Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that the pump can be serviced even at remote locations by semi-skilled technicians.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

High Efficiency And Energy Saving Design

Innovative design manufactured at state-of-the-art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

Advanced Water Cooled Motors Designs

The motor is filled with potable water which protects it from overheating and facilitates smoother and trouble free operation for years.

PERFORMANCE CHART FOR 'KOS+' SERIES, 2 POLE, OPENWELL SUBMERSIBLE PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (volts)	TOTAL HEAD IN METERS																
		kW	HP	SUC.	DEL.		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
							DISCHARGE IN LITRES PER SECOND																
1	KOS-314+*	2.2	3	80	80	380	16.0	14.7	13.2	10.4	5.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KOS-318+**	2.2	3	65	50	380	12.8	12.2	11.4	10.4	9.2	7.7	4.8	-	-	-	-	-	-	-	-	-	-
3	KOS-325+*	2.2	3	65	50	380	-	-	8.8	8.4	7.9	7.5	6.9	6.3	5.6	4.7	3.1	-	-	-	-	-	-
4	KOS-335+*	2.2	3	50	40	380	-	-	-	-	-	4.6	4.5	4.3	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-
5	KOS-520+*	3.7	5	80	80	380	22.6	21.5	20.0	18.7	17.3	15.5	13.2	10.0	-	-	-	-	-	-	-	-	-
6	KOS-527+*	3.7	5	80	65	380	-	-	-	15.0	14.2	13.4	12.5	11.5	10.4	9.0	6.5	-	-	-	-	-	-
7	KOS-822+*	5.5	7.5	100	100	380	-	-	27.0	25.6	24.0	22.0	20.0	17.5	14.0	-	-	-	-	-	-	-	-
8	KOS-830+*	5.5	7.5	80	65	380	-	-	-	-	18.7	17.9	17.0	16.0	15.0	13.8	12.4	10.5	7.0	-	-	-	-
9	KOS-1030+*	7.5	10	100	100	380	-	-	32.0	31.0	29.8	28.2	27.0	26.4	23.5	21.0	18.0	13.5	-	-	-	-	-
10	KOS-1040+*	7.5	10	80	65	380	-	-	-	20.6	20.3	19.9	19.4	18.9	18.3	17.7	17.0	16.4	15.5	14.5	13.5	12.0	9.5
11	KOS-1331+	9.3	12.5	100	100	380	-	-	-	-	-	-	38.0	37.0	36.0	33.0	30.0	28.0	25.0	20.0	-	-	-
12	KOS-1537+*	11	15	100	100	380	-	-	-	-	35.5	35.1	34.9	34.1	33.5	32.1	30.5	28.0	24.0	16.0	7.0		
							24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
13	KOS-538+*	3.7	5	65	50	380	-	-	8.0	7.4	6.8	6.2	5.5	4.8	3.8	-	-	-	-	-	-	-	-
14	KOS-550+*	3.7	5	50	40	380	-	-	-	-	-	-	4.3	4.1	3.8	3.5	3.2	2.7	2.2	1.0	-	-	-
15	KOS-844+**	5.5	7.5	65	65	380	10.7	10.3	10.1	9.7	9.2	8.7	8.0	7.3	6.5	5.3	3.0	-	-	-	-	-	-
16	KOS-852+*	5.5	7.5	65	50	380	-	-	-	-	8.4	8.2	7.9	7.7	7.3	6.9	6.5	6.0	5.5	4.7	4.0	-	-
17	KOS-1050+**	7.5	10	65	65	380	12.8	12.6	12.4	12.2	12.0	11.7	11.3	10.9	10.5	10.0	9.4	8.7	8.0	7.0	6.0	4.0	-
18	KOS-1348+	9.3	12.5	80	65	380	-	-	22.0	20.5	20.0	19.0	18.0	17.0	16.0	15.0	13.5	12.5	11.0	-	-	-	-
19	KOS-1555+	11	15	80	65	380	19.5	19.4	19.1	18.8	18.5	18.2	17.8	17.4	16.8	16.1	15.5	14.5	13.5	12.0	10.0	7.5	4.0
							42	44	46	48	50	52	56	60	64	68	72	76					
20	KOS-1065+*	7.5	10	65	50	380	7.1	7.0	6.8	6.6	6.4	6.2	5.7	5.1	4.2	2.8	-	-	-	-	-	-	-
21	KOS-1575+	11	15	65	50	380	-	-	-	-	-	7.7	7.4	7.0	6.5	5.8	5.0	3.5	-	-	-	-	-

Note: * Marked pumps are ISI certified and ** Marked pumps are star rated. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

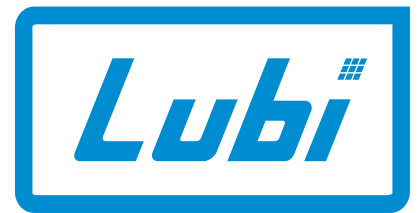
1800 103 4443

Registered Office & Global Headquarters : "Yamuna", Survey No. 98 /(3 to7), Plot No. 3, Baner, Pune 411 045, State Maharashtra, India.

Tel.: +91 (20) 2721 4444 Fax: +91 (20) 67211060 Email: marketing@kbl.co.in Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670

LHMS SERIES

**Horizontal Multistage
Submersible Pumpsets
50 Hz**



Passion for Pumps



INTRODUCTION

Lubi Horizontal Multistage Submersible Pumpsets are manufactured with strict quality assurance for years of efficient and reliable operation.

APPLICATIONS

- ☐ Irrigation from open wells especially where there is wide fluctuation in water levels.
- ☐ Community water supply
- ☐ Fountains.
- ☐ Canals / Rivers belt irrigation.
- ☐ Water supply for high-rise building.

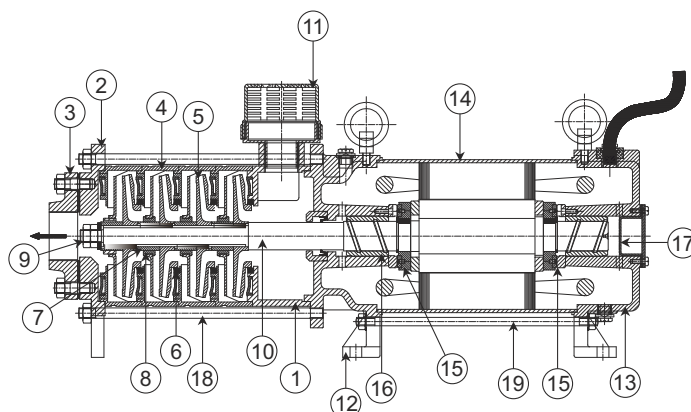
OPERATING CONDITIONS

Flow range	: Up to 225 LPM
Head range	: Up to 84 metres
Ambient temperature	: Max. +50°C
Liquid temperature range	: 0°C to +50°C

MOTOR

Type	: Submersible rewindable motor
Ratings	: 1 phase - 1.5 to 2.2 kW 3 phase - 1.5 to 2.2 kW
Rated speed	: 2880 rpm
Enclosure class	: IP 68
Standard voltages	: 1 phase, 230 V (Tolerance +5% / -15%) 3 phase, 380-415 V
Supply frequency	: 50 Hz
Duty / Rating	: S1 / Continuous
Direction of rotation	: Clockwise as seen from the motor rear end.

SECTIONAL DRAWING & MATERIALS



POS.	COMPONENT	MATERIAL
1	Suction chamber	Cast iron
2	Delivery chamber	Cast iron
3	Delivery flange	Cast iron
4	Bowl	S.S.304
5	Impeller	S.S.410
6	Wear ring	NBR
7	Pump Sleeve	S.S.410
8	Bush	Bronze/NBR
9	Lock nut	S.S.304
10	Pump Shaft	S.S.410
11	Strainer	Engineering Plastic
12	Adaptor	Cast iron
13	Lower bearing housing	Cast iron
14	Stator body	S.S.202 / Cast iron
15	Bearing	Carbon/S.S.
16	Bush	Bronze
17	Diaphragm	NBR
18	Stud	S.S.410
19	Stud	S.S.410

PERFORMANCE TABLE

Outlet Size 38 mm (1.5")

PUMP TYPE	HP	STAGE	PHASE	Q l/min	0	25	50	75	100	125	150	175	200	210
LHMS-158A	2.0	4	1 Phase	H (m)	57	56	54	52	51	49	40	28	12	4
LHMS-58A	2.0	4	3 Phase		57	56	54	52	51	49	40	28	12	4
LHMS-101B	3.0	6	1 Phase		78	77	76	75	70	61	47	32	15	5
LHMS-1B	3.0	6	3 Phase		78	77	76	75	70	61	47	32	15	5

LUBI INDUSTRIES LLP

Near Kalyan Mills, Naroda Road, Ahmedabad-380 025, INDIA.

Phone : +91 - 79 - 61700100, Fax No. : +91 - 79 - 62700399.

Sales Enquiries: mktsales@lubipumps.com, expsales@lubipumps.com

www.lubipumps.com

Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.



ISO 9001



ISO 14001

Customer Care Number : 9824200800