



# C.R.I. PUMPS

Pumping trust... Worldwide.



- More Durability and Hygiene.
- High Operating Efficiency.
- Motor designed with a High Cooling Effect.
- Designed for Wide Voltage Operation.
- Sturdy and Compact.



## Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability and Innovation.**





## ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



**60+** Years  
of Engineering  
Expertise



**120+** Countries  
have our strong  
global presence



**21+**  
Manufacturing Units  
around the World



**30000+** Outlets  
to serve our  
Customers



**9000+**  
Products for various  
applications



**1500+**  
Service Centres to  
support our Customers



**16 Times**  
EEPC Award Winner  
for Export Excellence



**8 Times**  
NEC Award Winner  
for Energy Savings



**Fludyn Advanced Technology  
Centre** Recognized by Ministry of  
Science & Technology, Govt. of India.

**C.R.I. PIPES** - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

**C.R.I. WIRES & CABLES** - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

**C.R.I. SOLAR PUMPING SYSTEM** - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.

## LTK Series



# Vertical Openwell Submersible Pumpset - LTK Series

C.R.I. Vertical Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/sand into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water inside the motor.

## SALIENT FEATURES

- High operating efficiency
- Motor is designed with higher cooling effect to ensure the life
- Easy to dismantle and repair
- Noise-less operation.

## APPLICATION

- Domestic
- Multi storey buildings
- Irrigation
- Gardens
- Rural water supply.

## SPECIFICATIONS

	LTK
Power range	0.75 kW & 1.1 kW (1HP & 1.5HP)
Speed	2850 RPM
Version	Single phase 220 - 240V, 50Hz, A.C. Supply
Maximum total head	89 Metre
Maximum flow rate	1.66 LPS (6 m <sup>3</sup> /hr)
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	10 times
Nominal outlet size	32 mm



# PERFORMANCE CHART

2850 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

## VERTICAL OPENWELL SUBMERSIBLE PUMPSET - LTK Series

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps Head in Metres	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
						0	0.42	0.55	0.69	0.83	0.97	1.11	1.25	1.39	1.66
LTK – 3E/07M - 9	0.75	1	9	32		73	68	67	62	59	51	50	45	26	11
LTK – 3E/11M – 11	1.1	1.5	11	32		89	83	79	72	67	61	60	45	37	13

### MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Stator Shell	Mild Steel
Diaphragm	High Nitrile Rubber
Lower Housing / Upper Housing	Cast Iron
Shaft	SS 410
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	SS 420 with Graphite Carbon
Journal Bushes	Carbon
Check Valve Housing	Cast Iron
Casing / Outer Shell	SS
Impeller	Noryl
Diffuser Chamber - LTK Series	Noryl
Suction inter Connector	Cast Iron
Pump Shaft	SS 304
Coupling	SS 410



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