



C.R.I. PUMPS

Pumping trust. Worldwide.



Vertical Openwell Submersible Pumpsets

LTK Series

C.R.I. Vertical Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. This works underwater and rest at the bottom of the well or Tank. Hence suction and priming problem will not arise. 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. Motor must be filled with clear, cold, drinking water as detailed in our operator's manual.

SALIENT FEATURES

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

APPLICATIONS : • Domestic • Multi storey buildings • Irrigation • Gardens • Rural water supply

SPECIFICATIONS

LTK

Power range	0.75 kW & 1.1 kW (1HP & 1.5HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, 50Hz AC Supply
Maximum total head	89 metre
Maximum flow rate	1.6 lps (6 m ³ /h)
Nominal outlet size	32 mm
Degree of protection	IP 58
Direction of rotation	Counter Clockwise from driving end;
Type of duty	S1 (Continuous)
Method of starting	Single Phase - CSCR;
Maximum starts per hour	10 times

PERFORMANCE CHART

LTK SERIES

VERTICAL OPENWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts;
Three Phase – 380 - 415 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
						DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE
LTK - 3E/07M - 9	0.75	1	9	32	73	0	0.42	0.55	0.69	0.83	0.97	1.11	1.25	1.39	1.66
LTK - 3E/11M - 11	1.1	1.5	11	32	89	73	68	67	62	59	51	50	45	26	11
						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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