

LCV SERIES

**Vertical Multistage
Openwell Submersible Pumpsets
50 Hz**



Pumps • Motors
ISO 9001 Company



Pumping Solution

Vertical Multistage Openwell

Submersible Pumpsets



Description

Lubi Vertical Multistage Openwell Submersible Pumpsets are manufactured strict quality assurance for years of efficient and reliable operation. Following are some of the special features.

Salient Features

- It has well designed sleeve and thrust bearing of adequate capacity for longer life.
- High operating efficiencies of pumpset result into high water discharge rate and lower power bills.
- All components are precisely machined on modern precision machine tools to give you years of reliable operation.
- Pumpset are designed to withstand voltage drops to 320 volts.
- Stator and rotor of the monoset are vacuum impregnated with synthetic varnish and epoxy coated for corrosion resistance.
- All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- All pumpsets are fully tested prior to despatch.

Material of Construction

Motor Body	: Cast Iron
Stator	: Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
Rotor	: Vacuum impregnated, shot blasted & coated with poly urethane colour for corrosion resistance & dynamically balanced for vibration free smooth operation.
Winding	: PVC / Polyester insulated, water cooled.
Journal Bearings	: Lead Bronze / Nitrile Rubber and Stainless Steel, Water Lubricated, having high load bearing capacity.
Thrust Bearings	: Carbon -Steel special self-alignment and water lubricated to withstand high axial thrust loads.
Pressure Equalizing Diaphragm	: Adequately sized to accommodate expansion of water inside the motor and prevent loss cooling water
Impeller	: Graded Cast Iron & Dynamically balanced.
Casing	: High grade Cast Iron.
Wear Rings	: High quality abrasion resistance Bronze.
Shaft	: Mild Steel / Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
Cable Sealing Arrangement	: Designed so that no borewell water with sand can enter the motor.

Applications

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

Vertical Multistage Openwell

Submersible Pumpsets



50Hz, 415V (-15% & +6%) Three Phase, 2900 RPM

2.5" (65 mm) Outlet

Model	H.P.	Stage	Discharge in L.P.M.										
			0	260	360	425	460	490	525	550	610	660	700
			Head in Metres										
LCV-0/2	3.0	2	37	32	28	24	22	20	18	16	12	8	4
LCV-1A/3	5.0	3	56	48	42	36	33	30	27	24	18	12	6
LCV-35/5	7.5	5	93	80	70	60	55	50	45	40	30	20	10
LCV-46/6	10.0	6	111	96	84	72	66	60	54	48	36	24	12

Model	H.P.	Stage	Discharge in L.P.M.										
			0	240	300	360	420	480	540	600	660	720	720
			Head in Metres										
LCV-0A/1	3.0	1	21	20	19	18	17	16	15	13	9	8	8
LCV-1/2	5.0	2	42	40	38	37	35	32	30	26	19	17	17
LCV-33/3	7.5	3	65	60	58	55	52	48	42	36	28	25	25
LCV-44/4	10.0	4	88	82	81	77	71	65	58	50	42	38	38

Model	H.P.	Stage	Discharge in L.P.M.										
			0	240	300	360	420	480	540	600	660	720	780
			Head in Metres										
LCV-3/2	7.5	2	52	49	48	47	44	43	42	39	35	33	29

Model	H.P.	Stage	Discharge in L.P.M.										
			0	240	300	360	420	480	540	600	660	720	750
			Head in Metres										
LCV-45/5	10.0	5	103	93	90	83	75	66	54	45	30	18	10

Model	H.P.	Stage	Discharge in L.P.M.										
			0	225	300	375	450	525	675	750	825	860	900
			Head in Metres										
LCV-54/4	12.5	4	96	93	90	86	80	70	53	42	27	20	10

Model	H.P.	Stage	Discharge in L.P.M.										
			0	255	350	420	475	545	575	600	650	700	725
			Head in Metres										
LCV-56/6	12.5	6	123	108	96	85	73	58	52	45	30	15	10

Model	H.P.	Stage	Discharge in L.P.M.										
			0	295	395	430	480	500	545	575	640	720	780
			Head in Metres										
LCV-66/6	15.0	6	128	120	110	105	96	90	83	75	60	45	30

Model	H.P.	Stage	Discharge in L.P.M.										
			0	240	300	360	420	540	600	660	720	780	900
			Head in Metres										
LCV-76/6	20.0	6	141	129	125	121	117	111	108	103	98	90	70