

Vertical Multistage Openwell

Submersible Pumpsets

Agriculture
•S•E•R•I•E•S•



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.

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

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
			Head in Metres									
LCV-0A/1	3.0	1	21	20	19	18	17	16	15	13	9	8
LCV-1/2	5.0	2	42	40	38	37	35	32	30	26	19	17
LCV-33/3	7.5	3	65	60	58	55	52	48	42	36	28	25
LCV-44/4	10.0	4	88	82	81	77	71	65	58	50	42	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

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture

•S•E•R•I•E•S•



Description

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

Salient Features

- Pumpset are designed to withstand voltage drops to 320 volts.
- 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.
- 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 / Stainless Steel
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 and Stainless Steel, Water Lubricated, having high load bearing capacity.
Thrust Bearings	: Carbon Vs Stainless Steel 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	: 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.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture
S.E.R.I.E.S.

LHS Series - Three Phase

Cast Iron Body, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres															
			6	8	12	16	20	24	26	28	32	36	40	42	44	48	52	58
			Discharge in L.P.M.															
LHS-1A	3.00	50 x 38				370	350	310	280	260	210	120						
LHS-2	3.00	65 x 65		750	700	510	360											
LHS-2AH	3.00	65 x 50				580	540	480	440	200								
LHS-3A	3.00	80 x 65	860	840	780	570												
LHS-4A	5.00	50 x 38								480	430	340	250	200	140			
LHS-5A	5.00	65 x 50						590	570	550	500	280						
LHS-5B	5.00	65 x 50									470	400	320	280	230			
LHS-5AH	5.00	65 x 50						670	630	580	470	200						
LHS-5	5.00	65 x 65			1040	900	750	540										
LHS-5H	5.00	65 x 65					750	670	540	450	240							
LHS-6	5.00	80 x 80		890	870	850	760											
LHS-6A	5.00	80 x 65			1160	1100	800	350										
LHS-16	5.00	100 x 100	1520	1430	1240	850												
LHS-9A	7.50	65 x 50							840	810	720	630	510	420	310			
LHS-9B	7.50	65 x 50										520	490	480	460	410	340	240
LHS-9AH	7.50	65 x 50								890	830	720	600	520	460			
LHS-9	7.50	65 x 65							730	720	700	540						
LHS-10 *	7.50	80 x 80						1040	970	820								
LHS-17	7.50	100 x 100		2000	1850	1600	1120											
LHS-19	7.50	125 x 125	3500	2900														
LHS-13AH	10.0	65 x 50								1260	1200	1080	1020	960	900	750	570	
LHS-14 *	10.0	80 x 80					1120	1100	1080	1050	1000	720						
LHS-15 *	10.0	100 x 100					1420	1300	1200	1100								
LHS-18	10.0	100 x 100		2250	2100	1850	1200											
LHS-20	10.0	125 x 125	3500	3300	2800	1250												

Note :

- LHS : C. I. Construction with copper rotor.
- All pumps with * are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture
S.E.R.I.E.S.

LHS Series - Three Phase

Cast Iron Body, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres																
			10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	68	72
			Discharge in L.P.M.																
LHS-21A	12.50	65 x 65				970	960	940	920	860	750	600	420	330					
LHS-21L	12.50	50 x 50					1410	1390	1370	1310	1160	950	670						
LHS-21H	12.50	50 x 50									810	790	740	700	650	590	500	440	300
LHS-23	12.50	80 x 80			1660	1600	1550	1450	1180	800									
LHS-24	12.50	100 x 80		1810	1750	1680	1570	1430	1250										
LHS-25	12.50	100 x 100		1860	1790	1700	1600	1370	1200	800									
LHS-27L	15.00	50 x 50							1480	1420	1370	1260	1170	1000	780				
LHS-27H	15.00	50 x 50										920	915	910	900	890	870	840	520
LHS-28	15.00	65 x 65								980	850	710	460	380					
LHS-30	15.00	100 x 80					1550	1450	1200	760									
LHS-31	15.00	100 x 100			2200	2000	1800	1500	1280	960									
LHS-32	15.00	125 x 125	3550	3050	2000														
LHS-33	20.00	65 x 65										1300	1200	1100	1000	880	750	670	
LHS-34	20.00	80 x 80								1730	1600	1460	1300	1100					
LHS-34A	20.00	80 x 65										1840	1700	1600	1480	1280	1080	620	
LHS-35	20.00	100 x 100				2480	2400	2300	1860	1650	1000								
LHS-36	20.00	125 x 125		3550	3200	2700	2100	900											
LHS-37	25.00	80 x 80									1680	1550	1400	1220	1100	950			
LHS-38	25.00	100 x 100						2050	1900	1750	1400	1080	500						
LHS-39	25.00	125 x 125			3870	3530	3080	2650											
LHS-40	30.00	80 x 80													1700	1620	1450	1350	1150
LHS-41	30.00	100 x 100							2750	2400	2200	2050	1660	1500					
LHS-42	30.00	125 x 125					3200	3050	2400										
LHS-43	30.00	150 x 150		5180	4550	4030	3140	2500	2380										

Note :

■ Please select pumps in the range of discharge shown in bold figure.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture
S.E.R.I.E.S.

LHL Series - Three Phase

50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Model	H.P.	Size in mm	Head in Metres															
			6	8	12	16	20	24	26	28	32	36	40	42	44	48	52	56
			Discharge in L.P.M.															
LHL-1A	3.00	50 x 38				370	350	310	280	260	210	120						
LHL-1 *	3.00	50 x 50				490	450	360	300									
LHL-2 *	3.00	65 x 65		750	700	510	360											
LHL-2A *	3.00	65 x 50		530	500	450	400	280										
LHL-2AH	3.00	65 x 50				580	540	480	440	200								
LHL-3A	3.00	80 x 65	860	840	780	570												
LHL-3	3.00	80 x 80	1120	980	870													
LHL-4 *	5.00	50 x 50							330	300	270	220	170	130	80			
LHL-4A *	5.00	50 x 38								480	430	340	250	200	140			
LHL-5A *	5.00	65 x 50						590	570	550	500	280						
LHL-5B	5.00	65 x 50									470	400	320	280	230			
LHL-5AH *	5.00	65 x 50						670	630	580	470	200						
LHL-5 *	5.00	65 x 65			1040	900	750	540										
LHL-5H *	5.00	65 x 65					750	670	540	450	240							
LHL-6 *	5.00	80 x 80		890	870	850	760											
LHL-6A *	5.00	80 x 65			1160	1010	800	350										
LHL-16 *	5.00	100 x 100	1520	1430	1240	850												
LHL-8 *	7.50	65 x 50										455	400	370	340	260		
LHL-9A	7.50	65 x 50							840	810	720	630	510	420	310			
LHL-9B	7.50	65 x 50										520	490	480	460	410	340	240
LHL-9AH	7.50	65 x 50								890	830	720	600	520	460			
LHL-9 *	7.50	65 x 65							730	720	700	540						
LHL-10 *	7.50	80 x 80						1040	970	820								
LHL-11 *	7.50	100 x 100			1450	1300	1075	740										
LHL-17	7.50	100 x 100		2000	1850	1600	1120											
LHL-19	7.50	125 x 125	3500	2900														
LHL-13AH	10.0	65 x 50								1160	1130	1070	960	880	810	600		

Note :

- LHL : 3 & 5 HP also available with copper rotor.
- LHL : 0.5 to 2.0 HP with S.S. Motor body & 3.0 to 10.0 HP with C.I. Motor body.
- Please select pumps in the range of discharge shown in bold figure.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture
S.E.R.I.E.S.

LHS Series - Single / Three Phase

50 Hz, 230 V (-10% & +10%) Single Phase, 415 V (-15% & +6%) Three Phase, 2880 RPM

Model		H.P.	Size in mm	Head in Metres											
				6	8	10	12	14	16	18	20	22	24	26	28
1-Phase	3-Phase			Discharge in L.P.M.											
LHS-150B *	-	0.50	25 x 25	210	180	130	110	90							
LHS-150BH	-	0.50	25 x 25		172	170	160	140	130						
LHS-151	LHS-51	1.00	25 x 25					290	240	230	180	120			
LHS-152	LHS-52	1.00	40 x 40			290	270	250	180	120					
-	LHS-53	1.00	50 x 40		310	290	270	200							
-	LHS-54	1.00	50 x 50	550	530	370	220								
LHS-155	LHS-55	1.50	40 x 40								240	190	170	110	
LHS-156	LHS-56	1.50	50 x 40					260	240	200	160	80			
LHS-157	LHS-57	1.50	50 x 50			390	340	270							
LHS-158	LHS-58	2.00	40 x 40									250	230	200	180
LHS-159	LHS-59	2.00	50 x 40								350	320	280	230	
LHS-160	LHS-60	2.00	50 x 50						370	330	220				
-	LHS-61	2.00	65 x 50			580	420	360	240						
-	LHS-64	2.00	80 x 80	870	740	610									

LHL Series - Single Phase

50Hz, 230V (±10%), Single Phase, 2880 RPM

Model	H.P.	Size in mm	Head in Metres													
			6	8	10	12	14	16	18	20	22	24	26	28	30	32
			Discharge in L.P.M.													
LHL-150B *	0.50	25 x 25	210	180	130	110	90									
LHL-150BH	0.50	25 x 25		172	170	160	140	130								
LHL-151 *	1.00	25 x 25					290	240	230	180	120					
LHL-151H	1.00	25 x 25								220	190	180	128	80	60	
LHL-152 *	1.00	40 x 40			290	270	250	180	120							
LHL-153 *	1.00	50 x 40		310	290	270	200									
LHL-154 *	1.00	50 x 50	550	530	370	220										
LHL-155 *	1.50	40 x 40								240	190	170	110			
LHL-156 *	1.50	50 x 40					260	240	200	160	80					
LHL-157 *	1.50	50 x 50			390	340	270									
LHL-158 *	2.00	40 x 40									250	230	200	180		
LHL-159 *	2.00	50 x 40								350	320	280	230			
LHL-160 *	2.00	50 x 50						370	330	220						
LHL-161 *	2.00	65 x 50			580	420	360	240								
LHL-164 *	2.00	80 x 80	870	740	610											
LHL-101A	3.00	50 x 38								350	325	310	280	260	230	210
LHL-101	3.00	50 x 50								450	410	360	300			
LHL-102AH	3.00	65 x 50				650	620	600	540	510	450	390	200			
LHL-103	3.00	80 x 80	1120	980	930	870										

Note :

- 1.0 HP to 2.0 HP monosets are available in two phase also.
- All pumps with * are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

- LHS : Cast Iron Body
- LHL : S. S. Body
- LHE : Sheet Metal Body

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase

Agriculture
S.E.R.I.E.S.

LHD Series - Three Phase

Oil Filled Monoset, 50 Hz, Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres					
			20	24	26	28	32	36
			Discharge in L.P.M.					
LHD - 2AH	3.00	65 x 50	540	480	420	340		
LHD - 5A	5.00	65 x 50	585	570	560	550	460	300
LHD - 5AH	5.00	65 x 50		670	630	580	470	320

Note :

- LHD Series Voltage Range - 180 to 350 volts.
- Please select pumps in the range of discharge shown in bold figure.

★ STAR RATING PUMPSETS ★

Cast Iron Body, 50 Hz, 415 V (-15% & +6%) Three Phase, 2880 RPM

Model	H.P.	Size in mm	Star Rating	Head in Metres									
				14	16	18	20	22	24	28	32	34	38
				Discharge in L.P.M.									
LHL-1	3.00	50 x 50			490	420	400	330	280				
LHL-2	3.00	65 x 65			510	460	360	300					
LHL-5A	5.00	65 x 50			940	860	760	630	570				
LHL-5	5.00	65 x 65			900	780	740	580	500				
LHL-6A	5.00	80 x 65			960	880	780	730					
LHL-6	5.00	80 x 80		850	840	800	750	680	500				
LHL-9	7.50	65 x 65							700	660	610	540	360
LHL-9A	7.50	65 x 50						840	810	610			
LHL-10	7.50	80 x 80						1080	980	780			