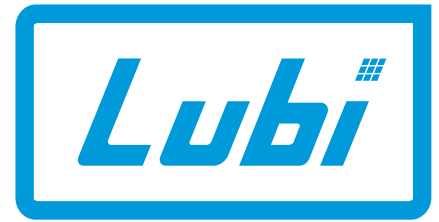


**LHL SERIES**

**Horizontal Openwell  
Submersible Pumpsets  
50 Hz**



**PUMPS**



**QUALITY • INNOVATION • SUSTAINABILITY**



### 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

<b>Motor Body</b>	: Cast Iron / Stainless Steel
<b>Stator</b>	: Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings.
<b>Rotor</b>	: Vacuum impregnated, shot blasted & coated with poly urethane colour for corrosion resistance & dynamically balanced for vibration free smooth operation.
<b>Winding</b>	: PVC / Polyester insulated, water cooled.
<b>Journal Bearings</b>	: Leaded Bronze and Stainless Steel, Water Lubricated, having high load bearing capacity.
<b>Thrust Bearings</b>	: Carbon Vs Stainless Steel and water lubricated to withstand high axial thrust loads.
<b>Pressure Equalizing Diaphragm</b>	: Adequately sized to accommodate expansion of water inside th motor and prevent loss cooling water
<b>Impeller</b>	: Graded Cast Iron & Dynamically balanced.
<b>Casing</b>	: High grade Cast Iron.
<b>Wear Rings</b>	: High quality abrasion resistance Bronze.
<b>Shaft</b>	: Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances.
<b>Cable Sealing Arrangement</b>	: 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, 230V (±10%), Single Phase, 2880 RPM

Model		H.P.	Size in mm	Head in Metres															
1-Phase	3-Phase			6	8	10	12	14	16	18	20	22	24	26	28	30	32	36	40
				Discharge in L.P.M.															
LHL-150B *	-	0.50	25 x 25	<b>210</b>	180	130	110	90											
LHL-150BH	-	0.50	25 x 25		172	170	160	140	<b>130</b>	100									
LHL-151 *	LHL-51	1.00	25 x 25					215	<b>195</b>	<b>180</b>									
LHL-151H	-	1.00	25 x 25								220	<b>190</b>	<b>180</b>	<b>128</b>	<b>80</b>				
LHL-152 *	-	1.00	40 x 40			290	<b>270</b>	<b>250</b>	<b>180</b>	120									
LHL-153 *	-	1.00	50 x 40		<b>310</b>	<b>290</b>	<b>270</b>	200											
LHL-154 *	LHL-54	1.00	50 x 50	550	<b>530</b>	<b>370</b>	<b>220</b>												
LHL-155 *	LHL-55	1.50	40 x 40								240	<b>190</b>	<b>170</b>	<b>110</b>					
LHL-155 A	-	1.50	25 x 25								190	<b>160</b>	<b>140</b>	110	85	50			
LHL-156 *	-	1.50	50 x 40					260	<b>240</b>	<b>200</b>	<b>160</b>	80							
LHL-157 *	-	1.50	50 x 50			390	<b>340</b>	<b>270</b>											
LHL-158 *	LHL-58	2.00	40 x 40									250	<b>230</b>	200	180				
LHL-159 *	LHL-59	2.00	50 x 40								<b>350</b>	<b>320</b>	<b>280</b>	230					
LHL-160 *	LHL-60	2.00	50 x 50						<b>370</b>	<b>330</b>	<b>220</b>								
LHL-161 *	-	2.00	65 x 50			580	<b>420</b>	<b>360</b>	240										
LHL-164 *	-	2.00	80 x 80	<b>870</b>	<b>740</b>	<b>610</b>													
LHL-101A	-	3.00	50 x 40				576	552	<b>535</b>	<b>530</b>	<b>505</b>	<b>462</b>	<b>435</b>	<b>390</b>	345	315	270	180	
LHL-101AH	-	3.00	50 x 50			580	565	550	525	<b>510</b>	<b>480</b>	<b>460</b>	<b>450</b>	<b>420</b>	<b>400</b>	350	280		
LHL-101	-	3.00	50 x 50								450	410	<b>360</b>	300					
LHL-102AH	-	3.00	65 x 50			730	700	<b>670</b>	<b>640</b>	<b>625</b>	<b>600</b>	535	492	410	305				
-	LHL-2AE	3.00	50 x 50							360	350	<b>320</b>	<b>280</b>	230	120				
LHL-103	-	3.00	80 x 80	1120	<b>980</b>	930	870												
LHL-105AH	-	5.00	65 x 50							830	800	770	730	700	650	600	<b>540</b>	<b>400</b>	
LHL-105B	-	5.00	65 x 50									615	610	605	600	<b>580</b>	<b>480</b>	200	
LHL-106E	-	5.00	80 x 80		1090	1050	980	900	800	700	610								

**Note :**  
 ■ 1.0 HP to 2.0 HP monosets are available in two phase also. ■ LHS : Cast Iron Body ■ Please select pumps in the range of discharge shown in bold figure.  
 ■ All pumps with \* are ISI marked. ■ LHL : S. S. Body

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

Model		H.P.	Size in mm	Head in Metres											
1-Phase				6	8	10	12	14	16	18	20	22	24	26	28
				Discharge in L.P.M.											
LHL-150CE		0.5	25 x 25	135	130	122	112	100	86	70	25				
LHL-151CE		1.0	25 x 25			204	196	185	170	155	140	128	110	86	60
LHL-151C		1.0	25 x 25			185	182	175	165	152	140	122	100	65	

Model		H.P.	Size in mm	Head in Metres										
				9	12	15	18	21	24	27	30	33	36	39
				Discharge in L.P.M.										
LHL-155CE		1.5	32 x 25	159	156	155	151	143	133	132	112	94	72	41
LHL-160CE		2.0	50 x 50	428	373	331	282	233	119					

**Note :** LHL160CE - Cast Iron Body

## 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	<b>310</b>	<b>280</b>	<b>260</b>	<b>210</b>	120						
LHL-1 *	3.00	50 x 50				490	<b>450</b>	<b>360</b>	300									
LHL-2 *	3.00	65 x 65		750	<b>700</b>	<b>510</b>	360											
LHL-2A *	3.00	65 x 50		530	500	<b>450</b>	<b>400</b>	<b>280</b>										
LHL-2AH	3.00	65 x 50			740	750	<b>580</b>	<b>480</b>	<b>425</b>	360								
LHL-2AHS	3.00	65 x 50			720	660	<b>570</b>	<b>460</b>	<b>380</b>	300								
LHL-3A	3.00	80 x 65	860	<b>840</b>	<b>780</b>	570												
LHL-3	3.00	80 x 80	1120	<b>980</b>	870													
LHL-4 *	5.00	50 x 50						330	300	<b>270</b>	<b>220</b>	<b>170</b>	130	80				
LHL-4A *	5.00	50 x 38							480	430	<b>340</b>	<b>250</b>	<b>200</b>	140				
LHL-5A *	5.00	65 x 50					610	<b>610</b>	<b>600</b>	<b>590</b>	<b>560</b>	375	170					
LHL-5B	5.00	65 x 50							500	<b>485</b>	<b>475</b>	<b>400</b>	<b>325</b>	280	240	150		
LHL-5BG	5.00	65 x 50			600	585	<b>580</b>	<b>570</b>	<b>565</b>	<b>560</b>	<b>530</b>	430	250	150				
LHL-5AH *	5.00	65 x 50					730	670	<b>620</b>	<b>580</b>	<b>475</b>	315						
LHL-5AHS	5.00	65 x 50				860	810	720	<b>660</b>	<b>620</b>	<b>520</b>	340						
LHL-5 *	5.00	65 x 65			<b>1040</b>	<b>900</b>	<b>750</b>	540										
LHL-5H *	5.00	65 x 65					750	<b>670</b>	<b>540</b>	<b>450</b>	240							
LHL-6 *	5.00	80 x 80		890	<b>870</b>	850	760											
LHL-6A *	5.00	80 x 65		1327	<b>1242</b>	<b>1080</b>	<b>870</b>	560										
LHL-6AG	5.00	80 x 65			1320	<b>1200</b>	<b>1090</b>	900	780									
LHL-16 *	5.00	100 x 100	1310	<b>1240</b>	<b>1100</b>	750												
LHL-8 *	7.50	65 x 50										<b>455</b>	<b>400</b>	<b>370</b>	<b>340</b>	260		
LHL-9A	7.50	65 x 50					880	875	<b>860</b>	<b>850</b>	<b>825</b>	<b>750</b>	620	540	450			
LHL-9B	7.50	65 x 50									600	555	<b>520</b>	<b>485</b>	<b>470</b>	<b>400</b>	315	220
LHL-9AHCR	7.50	65 x 50								890	830	<b>720</b>	<b>600</b>	520	460			
LHL-9 *	7.50	65 x 65							<b>730</b>	<b>720</b>	<b>700</b>	540						
LHL-9BG	7.50	65 x 50				1045	1010	960	940	910	840	775	705	670	620	520	320	
LHL-9G	7.50	65 x 65				1380	<b>1220</b>	<b>1100</b>	<b>1000</b>	930	700							
LHL-10 *	7.50	80 x 80				1310	1190	1050	<b>970</b>	<b>860</b>	630							
LHL-10G	7.50	80 x 80			1450	1380	1220	1080	1000	930	700	<sup>34 Mtr</sup> 300						
LHL-11 *	7.50	100 x 100			1450	<b>1300</b>	<b>1075</b>	740										
LHL-17	7.50	100 x 100		2690	<b>2320</b>	<b>1900</b>	1400	502										
LHL-19	7.50	125 x 125	<b>3500</b>	<b>2900</b>														
LHL-13AH	10.0	65 x 50								1250	1230	<b>1180</b>	<b>1080</b>	<b>980</b>	860	580		
LHL-13AHCR	10.0	65 x 50								1480	1470	1450	<b>1390</b>	<b>1240</b>	<b>1100</b>	920	850	720
LHL-14 *	10.0	80 x 80					1120	1100	<b>1080</b>	<b>1050</b>	<b>1000</b>	720						
LHL-15 *	10.0	100 x 100					1420	<b>1300</b>	<b>1200</b>	1100								
LHL-18	10.0	100 x 100		2250	<b>2100</b>	<b>1850</b>	1200											
LHL-20	10.0	125 x 125	3500	<b>3300</b>	<b>2800</b>	1250												

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

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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**