LHL SERIES

Horizontal Openwell Submersible Pumpsets

50 Hz

Lubi

PUMPS



QUALITY • INNOVATION • SUSTAINABILITY

CÔNG TY TNHH THƯƠNG MẠI VÀ CÔNG NGHIỆP NAM MINH

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LHL — Horizontal Openwell Submersible Pumpsets

Lubi

IS : 14220

CM/L - 7532472

*SELECTED MODELS ONLY



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 urethene colour for corrosion resistance & dynamically balanced for vibration free smooth operation.
Winding	: PVC / Polyester insulted, water cooled.
Journal Bearings	: Leaded 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 th 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.

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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	**210**	180	130	110	90											
LHL-150BH	-	0.50	25 x 25		172	170	160	140	**130**	100									
LHL-151 *	LHL-51	1.00	25 x 25					215	**195**	**180**	**150**	**100**							
LHL-151H	-	1.00	25 x 25								220	**190**	**180**	**128**	**80**				
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 *	LHL-54	1.00	50 x 50	550	**530**	**370**	**220**												
LHL-155 *	LHL-55	1.50	40 x 40								240	**190**	**170**	**110**					
LHL-155 A	-	1.50	25 x 25									190	**160**	**140**	110	85	50		
LHL-156 *	-	1.50	50 x 40					260	**240**	**200**	**160**	80							
LHL-157 *	-	1.50	50 x 50			390	**340**	**270**											
LHL-158 *	LHL-58	2.00	40 x 40									250	**230**	200	180				
LHL-159 *	LHL-59	2.00	50 x 40								**350**	**320**	**280**	230					
LHL-160 *	LHL-60	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 40				576	552	**535**	**530**	**505**	**462**	**435**	**390**	345	315	270	180	
LHL-101AH	-	3.00	50 x 50			580	565	550	525	**510**	**480**	**460**	**450**	**420**	**400**	350	280		
LHL-101	-	3.00	50 x 50								450	410	**360**	300					
LHL-102AH	-	3.00	65 x 50				730	700	**670**	**640**	**625**	**600**	535	492	410	305			
-	LHL-2AE	3.00	50 x 50							360	350	**320**	**280**	230	120				
LHL-103	-	3.00	80 x 80	1120	**980**	930	870												
LHL-105AH	-	5.00	65 x 50							830	800	770	730	700	650	600	**540**	**400**	
LHL-105B	-	5.00	65 x 50										615	610	605	600	**580**	**480**	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.
- All pumps with * are ISI marked.
- LHS : Cast Iron Body
- LHL : S. S. Body
- Please select pumps in the range of discharge shown in bold figure.

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

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LHL — Horizontal Openwell Submersible Pumpsets

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

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.

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Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

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