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PUMPS

Performance Booklet



Customer Care No.
09824200800

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Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase



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	: 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.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase



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			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.

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase



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	65 x 50					1410	1390	1370	1310	1160	950	670						
LHS-21H	12.50	65 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	65 x 50							1480	1420	1370	1260	1170	1000	780				
LHS-27H	15.00	65 x 50										920	915	910	900	890	870	840	520
LHS-28	15.00	65 x 65								980	850	710	460	380					
LHS-29	15.00	80 x 80				2000	1875	1720	1500	1350	1120	750							
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-33A	20.00	65 x 50										800	760	680	650	560	520	440	
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										

50Hz, 400V (±10%), 2800 RPM

Pump Type	H.P.	Size in mm	Head in Metres																
			10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
			Discharge in L.P.M.																
LHL-202AH	3.00	65 x 50		650	620	600	540	510	450	390	200	0							
LHL-205AH	5.00	65 x 50	1020	1000	970	930	900	850	800	750	710	650	600	520	450	380	180	0	

Note :

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

Horizontal Openwell Submersible Pumpsets

Single Phase / Three Phase



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													
1-Phase	3-Phase			6	8	10	12	14	16	18	20	22	24	26	28	30	32
				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	100							
LHS-151	LHS-51	1.00	25 x 25					215	195	180	150	100					
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 / Three Phase

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-5AE	5.00	65 x 50				740		750		580		480	425	360				
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. ■ 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