



## Description

"LUBI" brand single phase Monoblock pumpsets are manufactured in reference to IS : 9079 and motor with reference IS : 996 & IEC 34-I, Special care and quality control measures are adopted to give efficiency and reliable operation for years. Some special features are outlined below.

## Salient Features

- The laminations are non-oriented silicon steel & confirms to IS-648.
- Volute, Impeller, Adaptor, Stator body, Endshield is made of close grained cast iron of high tensile strength and has a very smooth surface finish resulting in low friction losses.
- Motor windings are vacuum impregnated with synthetic varnish for better moisture resistance.
- Superior mechanical shaft seal for longer life and effective sealing against water leakage.
- The electric rotor is pressure die cast & uses electric grade aluminium.
- Grease Lubricated anti-friction ball bearings are fitted at both ends to withstand radial and axial loads.
- Better insulating materials are used so that pumpset can with stand high temperature rise.
- All components are manufactured from materials as per standard specification.
- They are precisely machined on modern machine tools to give you years of reliable operation.

## Standard Motor

- The motor is totally enclosed and fan cooled (TEFC)
- Motor with specification of IS : 996 & IEC : 34-I
- Class 'B' insulation is used.
- The stainless steel shaft is ground finished.
- The motors are of the Run capacitor design giving high starting torque.
- 2 - Pole induction motor.
- Input supply condition in single phase-230V, Three Phase 415V (50 Hz).
- Voltage Range 170V-240V (Single Phase), 300V-415V (Three Phase)

## Applications

- Residential Bungalows
- Community Water Supply
- Construction Site
- Apartment
- Small Farms
- Lawns & Gardens
- Car Washing
- Sprinklers
- Hotels & Hospitals

# Centrifugal Monoblock Pumpset

Single Phase

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

## 'B' Class Insulation, 50 Hz., 230 V (±10%) for Single Phase, 2880 RPM

Model	K.W.	H.P.	Size SucxDel mm	Head in Metres																					
				4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
				Discharge in L.P.M.																					
MDH-12*	0.37	0.5	25 x 25			110	105	100	90	80	45														
MDH-12H	0.37	0.5	25 x 25				125	120	117	115	98	80	70												
MDH-12D	0.37	0.5	32 x 25					152	140	130	125	120	80												
MDH-28	0.37	0.5	40 x 40		245	210	220	120																	
MDH-28H	0.37	0.5	40 x 40		270	240	200	160	90																
MDH-28HL	0.37	0.5	40 x 40			290	250	170	60																
MDH-14	0.75	1.0	32 x 25							159	156	153	150	140	113	85	60								
MDH-14H*	0.75	1.0	25 x 25							159	156	153	150	120	105	80	60	25							
MDH-14S	0.75	1.0	25 x 25								100	95	85	80	70	60	50	35							
MDH-13 *	0.75	1.0	40 x 40				310	320	280	250	200	150													
MDH-18 *	0.75	1.0	50 x 40		400	380	320	240	120																
MDH-17	0.75	1.0	50 x 50		490	440	440	350	180																
MDH-44	0.75	1.0	75 x 75	720	650	550	450																		
MDH-34	1.10	1.5	25 x 25						140	135	135	135	135	135	132	132	131	130	120	60	40	15			
MDH-19 *	1.10	1.5	40 x 40			260	250	240	230	220	210	200	185	170	150	130									
MDH-33 *	1.10	1.5	65 x 50			550	500	460	420	310															
MDH-39	1.10	1.5	75 x 75	820	750	650	550	350																	
MDH-35	1.50	2.0	25 x 25											135	132	130	126	120	118	115	110	105	100	80	30
MDH-22 *	1.50	2.0	40 x 40		260	258	257	255	250	245	240	235	230	220	200	180	130	75							
MDH-23 *	1.50	2.0	50 x 40			355	350	343	340	335	320	310	280	250	200	120									
MDH-16H	1.50	2.0	50 x 50				500	450	400	340	280	180													
MDH-24 *	1.50	2.0	65 x 50				550	520	510	470	400	275													
MDH-24H	1.50	2.0	65 x 50		362	358	350	345	340	330	315	290	250	170											
MDH-21C	1.50	2.0	75 x 65		880	800	740	650	500																
MDH-21	1.50	2.0	75 x 75	960	870	780	660	480																	
MDH-21E	1.50	2.0	75 x 75	900	810	700	550	360																	
MDH-49	1.50	2.0	100 x 100	1340	1120	920	650	300																	
MDH-42	2.20	3.0	75 x 65	880	840	775	730	650	580	500															
MDH-47	2.20	3.0	50 x 50					520	500	490	450	425	390	350	320	245	220	125							
MDH-48	2.20	3.0	65 x 50					550	500	450	400	300	250												

**Note :**

- Also available in 2Ø & 3Ø suitable for 415 V.
- All 1Ø & 2Ø are available with imported thermal Overload protector (Except MDH-17 & MDH-217).
- All pump with \* are ISI Marked.

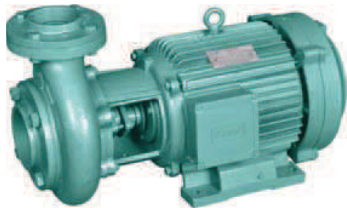


## Description

### ■ LBL

"LUBI" 1440 RPM Monoblock pumping sets are specially manufactured to meet the requirement of Agriculture. The Impellers and volute chambers are designed for a wide range of total heads.

"LUBI" Electric Motors, Which are incorporated with the Monoblock are designed in "A" Class insulation and are suitable for large variations in line voltage. High silicon Steel laminations, Polyester Base Super enamelled Copper Wires and selected high grade Insulating material of best quality use into the making of these Motors. The Diecast rotors are dynamically balanced, which ensures long bearing life and prevents Vibration, For multiple purpose fan end shaft is extended and fitted with flat pulley.



### ■ LBH

Lubi 2880 RPM Centrifugal Monoblock pumpsets are manufactured as per IS : 9079 with strict quality control for years of efficient and reliable operation. Following are some of the special features.

### ■ LBI

Lubi 2880 RPM Close Coupled Pumps are designed Low weight & compact. They non overloading through out declare range. These specific models are ideally used at industrial applications.



## Salient Features

- Monoblock are designed to withstand voltage drops to 320 volts.
- Better insulating materials are used so that monoblock can withstand high temperature rise.
- High operating efficiencies of the monoblock result into greater water discharge rate and lower power bills.
- The "back pullout" facility enables the monoblock to be serviced without disturbing the pipe work.
- All components are manufactured from materials as per standard specification. They are precisely machined on modern machine tools to give you years of reliable operation.
- All Monoblock windings are vacuum impregnated with synthetic varnish for better moisture resistance.
- All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation
- All monoblock are fully tested as per the specification prior to despatch.

## Material of Construction

<b>Pump Casing</b>	: It is made of close grained cast iron of high tensile strength and has a very smooth surface finish for low friction losses.
<b>Impeller</b>	: It is enclosed and is made of close grained cast iron with a very smooth surface finish for high efficiency.
<b>Stuffing Box</b>	: It is water lubricated and is sufficiently deep. It is Packed with graphite Packings.
<b>Mechanical Seal</b>	: Superior Mechanical Shaft Seal for longer life & effective sealing against water leakage. (For LBI Series)
<b>Flanges</b>	: Companion Flanges are provided for connecting the suction and delivery pipes.
<b>Stator Frame</b>	: It is made of close grained cast iron and has adequate numbers of cooling fins to keep the stator temperature rise within limits.
<b>Stator</b>	: Vacuum Impregnated with polyester base copper wire and insulation.
<b>Rotor</b>	: Rotor is aluminium die-casted. Rotor shaft is made of carbon steel and is of adequate size to transmit power to the impeller. It is provided with a replaceable bronze shaft sleeve to protect the shaft from wear.
<b>Fan</b>	: It is made of Cast Iron and is designed to give a good air flow over the stator frame.
<b>Bearings</b>	: They are grease lubricated and of ample size to withstand radial and axial thrust loads.
<b>Terminal Box</b>	: It is of ample size to facilitate easy wiring.

## Applications

- Irrigation of Fields / Farms
- Housing complexes
- Community water supply
- Fire Fighting system
- Industries

## LBH Series - 2880 RPM

### "A" Class Insulation, 50Hz, 415V (-15% & +6%), Three Phase

Pump Type	H.P.	Size in mm	Head in Metres																						
			8	10	12	14	16	18	20	22	24	26	28	30	32	36	40	42	44	48	50	54	58	62	
			Discharge in L.P.M.																						
LBH-1A	2.00	50 x 50		470	<b>465</b>	<b>460</b>	<b>450</b>	<b>400</b>	300																
LMH-30	3.00	65 x 50	800	<b>750</b>	<b>630</b>	<b>570</b>	<b>500</b>	400																	
LBH-33 *	3.00	50 x 38					430	<b>420</b>	<b>400</b>	<b>370</b>	<b>320</b>	270													
LBH-2	3.00	65 x 50					680	<b>660</b>	<b>600</b>	<b>520</b>	360														
LBH-2H	3.00	65 x 50					770	750	<b>700</b>	<b>630</b>	<b>575</b>	450													
LBH-1	3.00	65 x 50		650	630	<b>600</b>	<b>530</b>	<b>450</b>	400	330															
LBH-2A *	3.00	65 x 65		800	<b>760</b>	<b>700</b>	<b>600</b>	500																	
LBH-3	3.00	80 x 65		920	<b>880</b>	<b>800</b>	<b>720</b>	<b>600</b>	480	330															
LBH-36	5.00	50 x 38												370	360	<b>340</b>	<b>300</b>	<b>260</b>	230	200					
LBH-46H	5.00	65 x 50												650	620	<b>610</b>	<b>600</b>	<b>500</b>	450	360					
LBH-46	5.00	65 x 50										570	560	<b>550</b>	<b>540</b>	<b>500</b>	370								
LBH-6	5.00	65 x 50							830	820	<b>780</b>	<b>680</b>	<b>600</b>												
LBH-4 *	5.00	65 x 50					900	<b>830</b>	<b>770</b>	<b>700</b>	560														
LBH-4A *	5.00	65 x 65					970	<b>900</b>	<b>820</b>	<b>760</b>	630														
LBH-5H	5.00	80 x 65					1040	1020	<b>980</b>	<b>900</b>	<b>680</b>														
LBH-5	5.00	80 x 65					1010	<b>980</b>	<b>850</b>	<b>680</b>	580														
LBH-5A	5.00	80 x 80			790	780	<b>770</b>	<b>750</b>	<b>700</b>	650															
LBH-6B	5.00	100 x 80		1400	1350	<b>1260</b>	<b>940</b>	<b>800</b>	650																
LBH-37	7.50	50 x 38																395	390	<b>386</b>	<b>385</b>	<b>380</b>	<b>378</b>	<b>375</b>	360
LBH-37A	7.50	65 x 50															700	690	<b>670</b>	<b>660</b>	<b>570</b>	520			
LBH-48	7.50	65 x 50															800	<b>780</b>	<b>750</b>	<b>700</b>	500				
LBH-48H	7.50	65 x 50															800	800	<b>760</b>	<b>720</b>	<b>660</b>	636			
LBH-8	7.50	65 x 65													940	<b>830</b>	<b>760</b>	<b>680</b>	560						
LBH-9H	7.50	80 x 65													1130	1100	<b>1080</b>	<b>1070</b>	<b>1020</b>	900					
LBH-9	7.50	80 x 65											1200	<b>1150</b>	<b>1120</b>	<b>950</b>	750								
LBH-9A	7.50	80 x 80					1460	<b>1440</b>	<b>1400</b>	<b>1310</b>	<b>1200</b>	<b>1130</b>	<b>1060</b>	<b>950</b>	600										
LBH-10	7.50	100 x 80			1660	<b>1630</b>	<b>1560</b>	<b>1440</b>	<b>1300</b>	<b>1200</b>	1050														

**Note :**

- H-High head model.
- All pumps with \* are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

# High / Low Speed Centrifugal Monoblock Pumpsets

Three Phase



## "A" Class Insulation, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres																			
			16	18	20	22	24	26	28	30	32	36	40	42	44	48	50	54	58	62	66	70
			Discharge in L.P.M.																			
LBH-41A	10.00	65 x 50														810	805	800	790	750	700	570
LBH-41AH	10.00	65 x 50															700	660	600	550	520	
LBH-14H	10.00	65 x 50											1180	1150	1100	1050	850					
LBH-14HS	10.00	65 x 50											830	825	825	810	700	630				
LBH-14	10.00	65 x 50										1240	1220	1180	1070	950	800	710				
LBH-17 *	10.00	65 x 50										1050	980	900	830	600						
LBH-11H	10.00	80 x 65						1420	1410	1390	1260	1060	900	720								
LBH-11HL	10.00	80 x 65					1505	1495	1480	1460	1450	1360	1050									
LBH-11	10.00	80 x 65					1150	1140	1120	1100	1060	950	700									
LBH-15	10.00	80 x 80				1315	1310	1300	1290	1260	1200	1060										
LBH-12H	10.00	100 x 80				1540	1520	1480	1400	1360	1300	1080										
LBH-12HL	10.00	100 x 80			1800	1700	1500	1300	1200	1120												
LBH-12	10.00	100 x 80	1510	1470	1400	1300	1200	1100	900													

Pump Type	H.P.	Size in mm	Head in Metres																		
			26	28	32	36	40	42	44	48	50	54	58	62	66	70	74	78	82	86	90
			Discharge in L.P.M.																		
LBH-18H	12.50	65 x 50							960	960	960	920	760								
LBH-20H	12.50	80 x 65				1510	1140	1380	1270												
LBH-20A	12.50	80 x 80		1470	1440	1390	1200	1090	920												
LBH-22H	12.50	100 x 80	1850	1800	1700	1600	1450														
LBH-21A	12.50	100 x 100	1760	1680	1500	1220															
LBH-47	15.00	65 x 50															425	415	405	400	360
LBH-24 *	15.00	65 x 50									1200	1100	1060	1000	910	700	400				
LBH-24H	15.00	65 x 50									970	970	960	935	900	850					
LBH-25	15.00	80 x 65				1600	1500	1400	1310	1100	950										
LBH-29	15.00	100 x 80			2100	2000	1780	1650	1500	1100											
LBH-40	20.00	65 x 50											1340	1290	1170	1050	870	630	430		
LBH-32	20.00	80 x 65						1710	1700	1680	1660	1560	1405	1150							
LBH-31	20.00	100 x 80				2170	2100	2000	1900	1640	1500										
LBH-30	20.00	100 x 100			2300	2220	2050	1850	1700												
LBH-38A	25.00	100 x 80				2300	2100	1900	1800	1700	1420										
LBH-38B	25.00	125 x 100		2200	2150	1900	1700	1450													
LBH-43	30.00	80 x 65									1480	1470	1450	1390	1300	1070					
LBH-44	30.00	100 x 80				2150	2100	2050	1990	1900	1720										
LBH-45	30.00	125 x 100			2520	2280	1980	1740	1500												

**Note :**

- H-High head model.
- All pumps with \* are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

## "B" Class Insulation, 50Hz, 415V (-15% & +6%) Three Phase, 2880 RPM

Pump Type	H.P.	Size in mm	Head in Metres													
			12	14	16	18	20	22	24	26	28	30	32	36	40	42
			Discharge in L.P.M.													
LBH-2	3.00	65 x 50					600	<b>520</b>	<b>360</b>							
LBH-1 *	3.00	65 x 50	630	600	<b>530</b>	<b>450</b>	<b>400</b>	330								
LBH-2A *	3.00	65 x 65	760	<b>700</b>	<b>600</b>	<b>500</b>										
LBH-6	5.00	65 x 50							780	<b>680</b>	<b>600</b>	<b>500</b>				
LBH-4 *	5.00	65 x 50			900	<b>830</b>	<b>770</b>	<b>700</b>	560							
LBH-4A *	5.00	65 x 65			970	<b>900</b>	<b>820</b>	<b>760</b>	630							
LBH-5	5.00	80 x 65	1170	1140	<b>1070</b>	<b>1000</b>	<b>920</b>	<b>810</b>	650							
LBH-5A	5.00	80 x 80		780	<b>770</b>	<b>750</b>	<b>700</b>	650								
LBH-8	7.50	65 x 50									940	<b>830</b>	<b>760</b>	<b>680</b>	560	
LBH-7	7.50	65 x 65								1100	<b>1050</b>	<b>980</b>	870			
LBH-9	7.50	80 x 65					990	<b>900</b>	<b>780</b>	<b>630</b>						
LBH-11	10.0	80 x 65								1050	<b>1020</b>	<b>970</b>	<b>880</b>	550		

## LBL Series - 1440 RPM - Low Speed

### "A" Class Insulation, 50Hz, 415V (-15% & +6%) Three Phase

Pump Type	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.													
LBL-51C	3.00	75 x 75			1470	<b>1260</b>	<b>1170</b>	900								
LBL-51D	3.00	100 x 75		1800	<b>1560</b>	1200										
LBL-51E	3.00	100 x 100	1410	<b>1250</b>	<b>1040</b>	690										
LBL-52C	5.00	75 x 75				1410	<b>1290</b>	<b>1210</b>	1020							
LBL-52D	5.00	100 x 75				1980	<b>1860</b>	<b>1740</b>	<b>1380</b>	1200						
LBL-52E	5.00	100 x 100				1980	<b>1800</b>	1590								
LBL-52F	5.00	125 x 125	2160	<b>1920</b>	1650											
LBL-53DHS	7.50	100 x 75								2400	<b>2220</b>	<b>1950</b>	1560			
LBL-53D	7.50	100 x 75					2150	<b>2020</b>	<b>1830</b>	<b>1560</b>	960					
LBL-53E	7.50	100 x 100						2280	<b>1980</b>	<b>1620</b>	1320					
LBL-53G	7.50	125 x 125				2760	<b>2460</b>	<b>2100</b>	1440							
LBL-53H	7.50	150 x 150		3360	<b>3240</b>	2700										
LBL54HH	10.0	100 x 75						2580	2400	<b>2220</b>	<b>1980</b>	1700	1440			
LBL-54	10.0	100 x 75						2400	2280	<b>2160</b>	<b>2040</b>	1860	1560			
LBL-54A	10.0	100 x 100								2160	<b>1950</b>	<b>1620</b>	1200			
LBL-54B	10.0	125 x 100			3560	<b>3340</b>	<b>3050</b>	<b>2700</b>	2320							

**Note :**

- All pumps with \* are ISI marked.
- Please select pumps in the range of discharge shown in bold figure.

## "A" Class Insulation, 50Hz, 415V (-15% & +6%) Three Phase, 1440 RPM

Pump Type	H.P.	Size in mm	Head in Metres																
			6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
			Discharge in L.P.M.																
LBL-54C	10.0	125 x 125			3630	<b>3420</b>	<b>3120</b>	<b>2760</b>	2340										
LBL-54D	10.0	150 x 150	3600	<b>3480</b>	<b>3240</b>	2940													
LBL-56	15.0	100 x 75												2220	<b>2040</b>	<b>1860</b>	<b>1620</b>	1260	
LBL-56AS	15.0	100 x 100							3030	3000	<b>2850</b>	<b>2520</b>	2250	1080					
LBL-56B	15.0	125 x 100							3520	<b>3310</b>	<b>2880</b>	2490							
LBL-56C	15.0	125 x 125						3660	<b>3600</b>	<b>3360</b>	<b>2940</b>	2520							
LBL-56D	15.0	150 x 150		4380	4080	<b>3840</b>	<b>3480</b>	3000	2220										
LBL-57D	20.0	150 x 150				4440	4200	<b>3840</b>	<b>3480</b>	3060	2580								

## "A" Class Insulation, Volute Type, 50Hz, 415V (-15% & +6%) Three Phase, 1440 RPM

Pump Type	H.P.	Size in mm	Head in Metres															
			5	6	7	8	9	10	11	12	13	14	15	16	17	18		
			Discharge in L.P.M.															
LBL-50CV	2.00	75 x 75				1120	<b>980</b>	840										
LBL-50EV	2.00	100 x 100	1560	1510	<b>1350</b>	<b>1210</b>	1020	830										
LBL-51AV	3.00	65 x 50							800	780	760	710	675	640	525	410		
LBL-51BV	3.00	75 x 62				1370	1250	<b>1140</b>	960	720								
LBL-51DV	3.00	75 x 62			1380	1320	<b>1230</b>	<b>1050</b>	800	630								
LBL-51EV	3.00	100 x 100			2250	1490	<b>1170</b>	870	540									
LBL-52BV	5.00	75 x 65									1380	1230	<b>1180</b>	<b>1050</b>	840	770		
LBL-52DV	5.00	100 x 75						1800	1620	<b>1530</b>	<b>1320</b>	1260	1110					
LBL-52EV	5.00	100 x 100			2040	1980	<b>1860</b>	<b>1740</b>	1500	1260								
LBL-52HV	5.00	150 x 150		3000	<b>2520</b>	<b>2220</b>	1440											
LBL-53HV	7.50	150 x 150			3360	3120	<b>2700</b>	2400	1680									

## MDL Series - 1440 RPM

## "E" Class Insulation, Volute Type, 50Hz, 230V (± 10%) Single Phase

Pump Type	H.P.	Size in mm	Head in Metres				
			5	6	7	8	9
			Discharge in L.P.M.				
MDL-6E	2.00	100 x 100	1560	1510	1320	1210	1020

**Note :**

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