

# High / Low Speed Centrifugal Monoblock Pumpsets

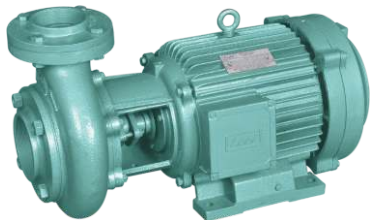


## Description

### ■ 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.

### ■ 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 and they are provided with Superior Quality Mechanical Seal.

Following are some of the special features.

## 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. (For LBH & LBL Series)
<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 replacable 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

# High / Low Speed Centrifugal Monoblock Pumpsets



## 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			<b>1660</b>	<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



"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											1030	1020	960	880	730					
LBH-14HS	10.00	65 x 50											830	825	825	810	700	630				
LBH-14	10.00	65 x 50											840	840	820	810	800	790	600			
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-49H	12.50	65 x 50									790	785	780	770	750	690	500					
LBH-18H	12.50	65 x 50							960	960	960	920	760									
LBH-20H	12.50	80 x 65				1510	1440	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								970	965	960	940	850	750							
LBH-24H	15.00	65 x 50									970	970	960	935	900	720						
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-29A	15.00	100 x 100			2350	2180	1680	1400														
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.

# High / Low Speed Centrifugal Monoblock Pumpsets



## "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									<b>1100</b>	<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-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.

# High / Low Speed Centrifugal Monoblock Pumpsets



## "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	10
			Discharge in L.P.M.					
MDL-6E	2.00	100 x 100	1400	<b>1290</b>	<b>1160</b>	<b>1050</b>	950	760

**Note :**

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

# High / Low Speed Centrifugal Monoblock Pumpsets



## LBI Series - Monoblock Pumps

E-Class Insulation, 50Hz, 230V ( $\pm 10\%$ ) for Single Phase, 415V (-15% & +6%) for 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	34	36	40	44	48	52	
				Discharge in L.P.M.																				
LBI-101	LBI-1	3.00	50 x 40					390	385	<b>380</b>	<b>375</b>	<b>370</b>	<b>365</b>	<b>360</b>	<b>320</b>	<b>280</b>	200	100						
-	LBI-1A	3.00	50 x 50		510	480	<b>450</b>	<b>400</b>	<b>350</b>	280	210													
LBI-101H	LBI-1H	3.00	50 x 40								360	<b>340</b>	<b>330</b>	<b>300</b>	<b>280</b>	<b>270</b>	<b>220</b>	<b>180</b>	130					
-	LBI-1L	3.00	50 x 40				396	<b>390</b>	<b>384</b>	<b>378</b>	<b>372</b>	<b>336</b>	<b>324</b>	<b>300</b>	180									
LBI-102	LBI-2	3.00	50 x 50					390	<b>384</b>	<b>378</b>	<b>372</b>	<b>348</b>	<b>330</b>	<b>288</b>	180									
LBI-103	LBI-3	3.00	65 x 50				600	<b>540</b>	<b>510</b>	<b>480</b>	<b>420</b>	<b>360</b>	300											
LBI-105H	LBI-5H	3.00	75 x 65			660	<b>630</b>	<b>540</b>	<b>420</b>	210														
-	LBI-5L	3.00	75 x 65		1090	1020	<b>910</b>	<b>800</b>	<b>700</b>	510														
LBI-106	LBI-6	3.00	75 x 75			960	<b>840</b>	<b>690</b>	450															
LBI-108	-	3.00	100 x 100	1300	<b>1000</b>	820																		
-	LBI-11L	5.00	50 x 40								425	425	<b>425</b>	<b>425</b>	<b>420</b>	<b>415</b>	405	370	300					
LBI-111H	LBI-11H	5.00	50 x 40													300	<b>290</b>	<b>280</b>	<b>270</b>	230				
LBI-113	LBI-13	5.00	65 x 50						820	<b>770</b>	<b>720</b>	<b>650</b>	<b>620</b>	<b>570</b>	<b>450</b>	300								
LBI-114	-	5.00	65 x 65							780	<b>750</b>	<b>600</b>	<b>300</b>											
-	LBI-15L	5.00	75 x 65				1160	<b>1080</b>	<b>960</b>	<b>860</b>	720													
LBI-115H	LBI-15H	5.00	75 x 65						800	<b>720</b>	<b>620</b>	<b>560</b>	<b>480</b>											
LBI-116	LBI-16	5.00	75 x 75			1200	<b>1140</b>	<b>1080</b>	<b>980</b>	<b>900</b>	<b>780</b>	660												
LBI-118	LBI-18	5.00	100 x 100		1380	<b>1300</b>	<b>1220</b>	840																
-	LBI-21L	7.50	50 x 40														390	<b>385</b>	<b>380</b>	<b>360</b>	280	160		
-	LBI-21H	7.50	50 x 40																	<b>380</b>	<b>315</b>	220	140	
-	LBI-23	7.50	65 x 50											750	<b>710</b>	<b>670</b>	<b>625</b>	<b>590</b>	<b>520</b>	300				
-	LBI-25	7.50	75 x 65						1350	1290	<b>1200</b>	<b>1150</b>	<b>1100</b>	<b>1040</b>	940	800	700							
-	LBI-25H	7.50	75 x 65												750	740	<b>730</b>	<b>700</b>	<b>660</b>	540	420			
-	LBI-26	7.50	75 x 75									1100	<b>1000</b>	<b>850</b>	700									
-	LBI-27H	7.50	100 x 75							1280	1200	<b>1100</b>	<b>960</b>	<b>800</b>	500									
-	LBI-27L	7.50	100 x 75					1750	<b>1600</b>	<b>1470</b>	<b>1250</b>	900												
-	LBI-31	10.0	50 x 40													660	660	<b>640</b>	<b>600</b>	<b>552</b>	480	330		
-	LBI-33	10.0	65 x 50													940	<b>910</b>	<b>900</b>	<b>750</b>	<b>560</b>	330			
-	LBI-35	10.0	75 x 65							1370	1300	<b>1250</b>	<b>1210</b>	<b>1180</b>	1125	1060								
-	LBI-36	10.0	75 x 75											1350	<b>1150</b>	<b>900</b>	800							
-	LBI-37L	10.0	100 x 75									1500	<b>1400</b>	<b>1260</b>	<b>1110</b>	960	810							
-	LBI-37H	10.0	100 x 75									1520	1460	<b>1380</b>	<b>1300</b>	<b>1200</b>	<b>1040</b>	810	500					
-	LBI-58	15.0	100x100							2200	2100	<b>1900</b>	<b>1700</b>	1300	700									

**Note :**

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

## NAYAN CORPORATION

8, Near sindh petrol pump, opp. fruit market, vijay mill, Naroda Road, Ahmedabad. Gujarat 380 025. INDIA.

Tel.: # 91-79 - 22201731, +917405 731 731 Fax : # 91-79 - 22200717.

Sales Enquiries: [nayanco@yahoo.com](mailto:nayanco@yahoo.com) [www.nayancorporation.com](http://www.nayancorporation.com)