Smart solutions.
Strong relationships.

CENTRIFUGAL MONOSET PUMPS
MB Series

Crompton Greaves Centrifugal Monoset Pumps - MB Series are designed and manufactured for optimum efficiency to cater different needs of water handling. The pump range is suitable for a wide range of applications in Agricultural, Domestic, Commercial establishments.
These pumps have dynamically balanced rotors and impellers to insure vibration free performance and enhance life.

Special Design Features : A Closer Look

- Uni-casing construction
- Separate base plate and coupling / coupling guard not required
- Flat performance curves at high delivery rates, to prevent motor overloading even during prolonged use
- Good Suction capacities at both low and high delivery rates
- Suitable for horizontal mounting with top central discharge
- Reduced numbers of parts with space saving innovative construction

Applications and Services

- Domestic water supply
- Hotels, Buildings, Apartments, Hospitals
- Gardening
- Small farms, agriculture
- Public water supply schemes
- Lift Irrigation Schemes
- Drip and Sprinkler Irrigation Schemes
- Booster application
- Circulation, Ornamental fountain installation and Air- conditioning plants
- Construction sites

Standard Specifications

- **Range :** 3ph - 0.75 kW to 22.5 kW (1HP to 30.0 HP)
- **Supply :** 415 V, 50Hz, 3 phase AC
- **Pipe size :** 40 x 32 mm to 100 x 100 mm
- **Total head :** Upto 75 metres
- **Capacity :** Upto 2140 LPM
- **Liquid :** Clear Water
- **Rotation :** Clockwise as viewed from motor end

Electric Motor

- TEFC, SCR, 2 or 4 Pole (3000 or 1500 RPM Syn. Speed) Electric Motor for 415V, 50Hz, 3 phase AC supply

MB SERIES

Centrifugal Monoset Pumps

Performance at Rated Voltage & 50 Hz. 3 Phase Ac Power Supply

Three Phase High Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR kW	MOTOR HP	TOTAL HEAD IN METRES										
				6	9	12	15	18	21	24	27	30	33	36
				DISCHARGE IN LPM										
MBG12 (3PH)	40 x 32	0.75	1.0		175	165	150	130	100	85 at 22.5 metres				
MBJL12 (3PH)	40 x 40	0.75	1.0		300	250	200	165 at 16.5 metres						
MBK12 (3PH)	50 x 40	0.75	1.0		380	300	200							
MBML12 (3PH)	50 x 50	0.75	1.0	400	340	225								
MBG1.52(3PH)	40 x 32	1.1	1.5				175	160	140	115	80	50 at 28.5 metres		
MBK22	50 x 40	1.5	2.0		430	405	335	200						
MBKH22	50 x 40	1.5	2.0					190	170	145	110			
MBN22	65 x 50	1.5	2.0			500	470	390	275					
MBK32	50 x 40	2.2	3.0				450	425	375	285	150			
MBKS32	50 x 40	2.2	3.0							250	230	205	170	110
MBNL32	65 x 50	2.2	3.0			725	580	410	300 at 19.5 metres					
MBN32	65 x 50	2.2	3.0				525	450	375	275	165 at 25.5 metres			
MBP32	80 x 65	2.2	3.0	1100	990	800	470							
MBQ32	80 x 80	2.2	3.0	1130	1020	810	500							
MBNH52	65 x 50	3.7	5.0				825	755	665	545	410	250		
MBP52	80 x 65	3.7	5.0				850	775	620	450				
MBQ52	80 x 80	3.7	5.0	1500	1390	1275	1140	980	700					
MBS52	100 x 100	3.7	5.0	1850	1700	1460	1040							
MBP7.52	80 x 65	5.5	7.5						1080	970	825	650		
MBS7.52	100 x 100	5.5	7.5			1680	1540	1370	1170	840				
MBR10.2	100 x 80	7.5	10.0							1400	1200	980	700	
MBS10.2	100 x 100	7.5	10.0				1850	1740	1600	1450	1250	900		
MBR12.52	100 x 80	9.3	12.5						1750	1610	1460	1270	1000	
MBS12.52	100 x 100	9.3	12.5					2030	1900	1770	1600	1320	750	
MBS15.2	100 x 100	11.0	15.0					2140	2040	1930	1820	1660	1445	1150

Rating	Pipe Size Suc.x Del. (mm)	MOTOR kW	MOTOR HP	Total Head in Metres										
				24	27	30	33	36	39	42	45	48	51	54
				Discharge in LPM										
MBOH 7.52	65 x 65	5.5	7.5		680	625	570	510	425	300				
MBNH 7.52	65 x 50	5.5	7.5		680	625	570	510	425	300				
MBO 10.2	65 x 65	7.5	10	820	810	800	785	760	720	660	585	490	400	260

Three Phase Slow Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR kW	MOTOR HP	TOTAL HEAD IN METRES					
				6	9	12	15	18	
				DISCHARGE IN LPM					
MBNH3	65 x 50	2.2	3.0			575	480	325	200 at 19.5 metres
MBP5/ OMBP5	80 x 65	3.7	5.0		1270	1135	880	660 at 16.5 metres	
OMBR5	100 x 80	3.7	5.0	1900	1600	1000	600 at 13.5 metres		
OMBS5	100 x 100	3.7	5.0	1900	1700	1150	600 at 13.5 metres		
OMBR7.5	100 x 80	5.5	7.5			1750	1470	700	
OMBS7.5	100 x 100	5.5	7.5		2050	1980	1600		

MB SERIES

Centrifugal Monoset Pumps

Performance at Rated Voltage & 50 Hz. 3 Phase Ac Power Supply

Three Phase High Speed Monoblocks

Rating	Pipe Size Suc.x Del. (mm)	MOTOR kW	MOTOR HP	TOTAL HEAD IN METRES																			
				21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	
				DISCHARGE IN LPM																			
MBK52	50 x 40	3.7	5.0		455	415	375	330	280	200													
MBKS52	50 x 40	3.7	5.0						260	240	215	190	160	120									
MBNS52	65 x 50	3.7	5.0					400	345	280	200												
MBK7.52	50 x 40	5.5	7.5					450	420	395	365	335	300	260	200								
MBN7.52	65 x 50	5.5	7.5		780	725	650	550	400	320 at 37.5 metres													
MBNH10.2	65 x 50	7.5	10.0									550	520	480	430	370	300						
MBP10.2	80 x 65	7.5	10.0		1150	1075	980	880	750	550													
MBPH10.2	80 x 65	7.5	10.0		1150	1100	1020	920	800	640	400												
MBP12.52	80 x 65	9.3	12.5	1250	1245	1240	1220	1170	1110	1010	870	670											
MBN15.2	65 x 50	11.0	15.0											550	530	510	485	460	435	400	360	310	
MBP15.2	80 x 65	11.0	15.0		1480	1420	1360	1290	1220	1140	1050	950	840	700									
MBPH15.2	80 x 65	11.0	15.0				1240	1230	1205	1165	1090	1010	920	770	500								
MBR15.2	100 x 80	11.0	15.0		1875	1750	1615	1460	1235	1000													
MBR20.2D	100 x 80	15.0	20.0				2000	1900	1770	1600	1400	1100											
MBRH20.2D	100 x 80	15.0	20.0				2000	1900	1780	1650	1500	1350	1170										
MBPH20.2D	80 x 65	15.0	20.0											1200	1130	1040	900	500					
MBR25.2	100 x 80	18.5	25.0										1500	1400	1260	1080	800						
MBR30.2	100 x 80	22.0	30.0										1700	1640	1560	1460	1310	1140		400			

Notes :-
1. The above performance is approximate at rated voltage 50Hz 3 phase AC power supply.
2. The above performance is subjected to tolerances as per relevant Indian Standards.
3. Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threading are provided as per 'BSP' Standard.
4. Total Head = Static Suction + Static Delivery + Losses in pipes, bends etc.
5. Ratings with suffix 'D' are with Motor in Drip-proof enclosures.
6. Performance figure given above are approximate and may differ on site conditions.

Applications:

Crompton Greaves Limited

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