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Strong relationships.

CENTRIFUGAL MONOSET PUMPS MBG Series



Crompton Greaves Centrifugal Monoset Pumps MBG Series cover a wide range of domestic and smaller commercial and agricultural applications. These pumps are best suited for small and marginal farmers engaged in agriculture. They can also be used in buildings, hotels, and commercial establishments upto 8 storeys.

Features

- Monoset construction
- High quality and long life mechanical seal
- Totally Enclosed Fan Cooled motor for better safety
- Unique Motor design capacitor start and run (PSC) type eliminating centrifugal switch
- Graded Cast Iron motor body

Standard Specifications

- **Range** : 0.37 kW to 1.5 kW (0.5 to 2.0 HP)
- **Supply** : 225 Volts, 50 Hz, 1 phase AC
- **Pipe size** : 25 x 25 mm to 80 x 80 mm
- **Total head** : Upto 33 metres
- **Capacity** : Upto 930 LPM
- **Liquid** : Clear water
- **Rotation** : Clockwise as viewed from motor end
- **Operating temperature** : Suitable upto 65°C water

Electric Motor

- Totally Enclosed Fan Cooled, 2 pole (3000 RPM Syn. Speed) Electric Motor for 1 phase 225 Volts 50 Hz, AC supply
- Special motor with different enclosure, supply voltage, frequency and ambient temperature can be offered on request

Applications

- Bungalows, buildings, flats, hotels, garages, laundries and industries
- Car washing
- Booster application
- Small farms
- Lawn sprinklers
- Ornamental fountains
- Water circulation in solar heater systems
- Auxiliary equipment for machinery

Significant Benefits

- **Superior Pump Performance**
 - Compact and Innovative Monoset Design
 - Quick and easy mounting
 - Inbuilt self venting arrangement
 - Excellent hydraulic and overall efficiency
 - High reliability
 - Vibration free stable performance
 - Quiet running
- **Low Life Cycle Cost**
 - Energy efficient
 - No misalignment problem
 - Reduced number of parts
 - Simple operation
 - Simple installation procedure
 - Negligible maintenance
 - Easily Serviceable
- **Versatility**
 - High availability
 - Spare part service simplified
 - Easy start
 - Space saving
 - Proven field results
 - Reliable performance in various applications
 - Minimum need for parts inventory

Performance at Rated Voltage & 50 Hz. 1 Phase Ac Power Supply

Rating	Motor kW (HP)	PIPESIZE Suc.x Del. (mm)	TOTAL HEAD IN METRES									
			6	9	12	15	18	21	24	27	30	33
			DISCHARGE IN LPM									
MAD052*	0.37 (0.5)	25 x 25			120	110	80	20 at 22 metres				
MBDL052	0.37(0.5)	25 x 25	100	90	80	50	30 at 16.5 metres					
MBE052	0.37(0.5)	32 x 25		80	65	50	35	25 at 19.5 metres				
MAJ052/LV*	0.37(0.5)	40 x 40		240	100							
MBJ052	0.37(0.5)	40 x 40	210	190	140	80 at 13.5 metres						
MBJ052LVSF	0.37(0.5)	40 x 40	210	190	140	80 at 13.5 metres						
MBD12	0.75(1.0)	25 x 25					90	70	30			
MBDL12	0.75(1.0)	25 x 25			82	81.5	81	80.5	79	71	45	
MBDL12A*	0.75(1.0)	25 x 25			82	81.5	81	80.5	79	71	45	
MBE12	0.75(1.0)	32 x 25					90	85	70	30		
MBG12	0.75(1.0)	40 x 32		175	165	150	130	100	85 at 22.5 metres			
MBJ12	0.75(1.0)	40 x 40		175	165	150	130	100	85 at 22.5 metres			
MBJL12	0.75(1.0)	40 x 40		300	250	200	165 at 16.5 metres					
MBK12	0.75(1.0)	50 x 40		380	300	200						
MBM12	0.75(1.0)	50 x 50		300	250	160						
MBML12	0.75(1.0)	50 x 50	400	340	225							
MBJ12LV/(I)	0.75(1.0)	40 x 40			140	125	90	60 at 19.0 metres				
MBM12LV/(I)	0.75(1.0)	50 x 50		245	220	120						
MBK1.52C (1PH)	1.1(1.5)	50 x 40		410	310	150						
MBKH1.52C (1PH)	1.1(1.5)	50 x 40			360	300	100					
MBKS1.52C (1PH)	1.1(1.5)	50 x 40				175	160	140	130	100	80	50
MBM1.52C (1PH)	1.1(1.5)	50 x 50		430	355	250	160 at 16.5 metres					
MBG1.52	1.1(1.5)	40 x 32				175	160	140	115	80	50 at 28.5mtrs.	
MBQ1.52(1PH)LV	1.1(1.5)	80 x 80	900	680	420							
MBQ1.52(1PH)	1.1(1.5)	80 x 80	900	680	420							
MBK22 (1PH)	1.5(2.0)	50 x 40		410	395	355	310	250	200			
MBJ22	1.5(2.0)	40 x 40							210	190	160	130
MBM22	1.5(2.0)	50 x 50			390	370	320	250	180 at 22.5 metres			
MBN22	1.5(2.0)	65 x 50			425	480	350	250				
MBP22	1.5(2.0)	80 x 65	910	760	550	380 at 13.5 metres						
MBQ22/(I)	1.5(2.0)	80 x 80	930	780	570	400 at 13.5 metres						
MBM22LV/(I)	1.5(2.0)	50 x 50				280	240	170 at 20.0 metres				
MBN22LV/(I)	1.5(2.0)	65 x 50			280	240	170 at 17.0 metres					
MBP22LV/(I)	1.5(2.0)	80 x 65	700	460	250 at 11.0 metres							
MBQ22LV	1.5(2.0)	80 x 80	720	470	260 at 11.0 metres							

Notes :-

- The above performance is approximate at rated voltage 50Hz 1 phase AC power supply.
- The above performance is subjected to tolerances as per relevant Indian Standards.
- Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threading are provided as per 'BSP' Standard.
- Total Head = Static Suction + Static Delivery + Losses in pipes, bends etc.
- Performance figure given above are approximate and may differ on site conditions.
- *These pumps are fitted with aluminium body motor.