

“MMP” SERIES

APPLICATION

CENTRIFUGAL PUMP

- Irrigation.
- Industries for clear water handling
- Water supply for domestic use in apartments, Buildings and hotels.
- MMP Series Three Phase Pumps : Single stage, High speed horizontal, Centrifugal , Monoblock with volute type delivery casing



Flange mounted bare pump model



FEATURES

- Can withstand wide voltage fluctuation – from 300-440 volts.
- Suction lift up to 7.5 meters.
- Top flat efficiency curve : minimum efficiency variation in the entire operating range
- Efficiency at par with internationally available pumps – higher up to 10 points than minimum required by Indian standards specification
- Models are with IP – 44 protection. Models with IP – 55 protection are also available on request
- Class of insulation 'B' ('F' Class for 9.3 kw and 11.0 Kw ratings).
- Designed to prevent overloading and motor burning
- Dynamically balanced rotating parts ensure minimum vibrations
- Replaceable wearing parts results in longer life
- Designed for automatic air release during priming
- Continuous rated motor
- Inside and outside of pump covered by anticorrosive paint

RANGE

- **Head** : Up to 90 meters
- **Capacity** : Up to 40 liter per second
- **Power rating** : Up to 30 hp

MATERIAL OF CONSTRUCTION

- **Impeller** : cast iron
- **Delivery casing** : cast iron
- **Motor body** : cast iron
- **Shaft** : EN-8
- **Shaft sleeve** : SS - 410

OPTIONAL SUPPLY

- **Impeller** : Bronze / stainless steel
- **Shaft** : Stainless steel
- **Shaft Sleeve** : Chrome Steel

*Are available in monoblock seal version only and also as a bare pump and flange mounted version with different MOC

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WATER RATING CHART

APPROXIMATE PERFORMANCE OF MMP SERIES, 2 POLE, MONOBLOCK PUMP,
RATED VOLTAGE, 50 HZ, THREE PHASE A.C. POWER SUPPLY

PUMP MODEL	POWER RATING		PIPE SIZE		TOTAL HEAD IN METER																
	KW	HP	SUC	DEL	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
					CAPACITY IN LITERS PER SECOND																
MMP-0515	0.37	0.5	25	25	2.0	1.9	1.8	1.0	0.2												
MMP-130	0.75	1.0	25	25			2.7	2.3	2.1	1.8	1.3	0.9	0.7	0.4	0.0						
MMP-115	0.75	1.0	40	40		5.4	4.7	3.8	1.7	1.5											
MMP-224	1.5	2.0	50	50				5.8	5.3	5.0	4.7	3.5	3.0	2.0	2.0	1.2					
* MMP-325	2.2	3.0	65	50			9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9						
* MMP-335	2.2	3.0	50	40				5.0	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	
MMP-515	3.7	5.0	100	100	32.8	31	28.0	24.2	19.0	12.8											
MMP-520	3.7	5.0	80	80	23.5	22.8	21.9	20.8	19.4	17.7	15.9	13.9	10.8								
MMP-527	3.7	5.0	80	65						14.2	13.4	12.6	11.6	10.3	8.7	5.8					
* MMP-538	3.7	5.0	65	50								8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	
MMP-822	5.5	7.5	100	100				27.1	25.5	23.9	22.0	20.0	17.5	14.2							
* MMP-830	5.5	7.5	80	65						19.0	18.2	17.3	16.4	14.2	13.0	11.1					
MMP-837	5.5	7.5	65	65										12.6	12.4	12.1	11.8	11.3	10.0	9.2	
MMP-1030	7.5	10.0	100	100				31.9	30.7	29.4	28	26.5	25	23.3	21.2	17.5		13			
MMP-1331	9.3	12.5	100	100								33.3	32	30	28.5	26	23.3	19.5	13		
MMP-1537	11	15.0	100	100								36.7	35.8	34.1	33.3	32	30	27.6	25	20	17.5

PUMP MODEL	POWER RATING		PIPE SIZE MM		TOTAL HEAD IN METER															
	KW	HP	SUC	DEL	28	32	36	40	44	48	52	55	60	64	68	72	76	80	90	94
					CAPACITY IN LITERS PER SECOND															
* MMP-550	3.7	5.0	50	40			4.1	3.9	3.7	2.7	2.0									
* MMP-852	5.5	7.5	65	50		8.6	8.1	7.5	6.8	5.9	4.5	3.5								
MMP-1040	7.5	10.0	80	65	17.8	15.9	13.3	9.5												
MMP-1065	7.5	10.0	65	50				7.5	7.1	6.8	6.4	6.0	5.3	4.3	3.0					
MMP-1348	9.3	12.5	80	65	17.9	17.0	16.0	14.8	11.6											
MMP-1372	9.3	12.5	65	50					8.0	7.9	7.8	7.6	7.2	6.2	5.6	3.0				
MMP-1555	11.0	15.0	80	65		19.2	18.3	17.3	15.8	14.6	11.0	9.7								
MMP-1575	11.0	15.0	65	50						8.3	8.0	7.8	7.4	7.0	6.5	5.8	4.5			

PERFORMANCE TABLE (SPEED 1450 RPM) DISCHARGE IN LPS

PUMP MODEL	KW	HP	SUC	DEL	TOTAL HEAD IN METER															
					5	6	8	10	12	14	16	18	20	22						
MMP-512	3.7	5	100	100																
MMP-810	5.5	7.5	150	150																
MMP-818	5.5	7.5	100	100																
MMP-1014	7.5	10	150	150																
MMP-1022	7.5	10	100	100																