

Performance of "Mahendra" MHB series monobloc pumpsets at 2880 RPM with 415 volts, three phase, AC, 50 Hz supply

Sl. No.	PUMP MODEL	HP / KW	PIPE SIZE mm	TOTAL HEAD IN METRES	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66		
					DISCHARGE IN LPM																						
1	MHB 1	2.0 / 1.5	50 x 40	DISCHARGE IN LPM	685	620	535	252																			
2	MHB 2	2.0 / 1.5	50 x 50		715	665	480	204																			
3	MHB 30	3.0 / 2.2	50 x 40		*	*	*	496	468	386	252																
4	MHB 39	3.0/2.2	50 x 40		*	*	*	*	*	378	356	328	280	196													
5	MHB 18	3.0 / 2.2	65 x 50		*	*	*	534	414	216																	
6	MHB 3	3.0 / 2.2	65 x 50		792	762	726	660	570	445	170																
7	MHB 33	3.0 / 2.2	65 x 50		*	*	*	*	*	*	*	384	336	246													
8	MHB 31	5.0 / 3.7	50 x 40		*	*	*	*	628	584	468	360															
9	MHB 19	5.0 / 3.7	65 x 50		*	*	*	*	660	612	536	420															
10	MHB 4	5.0 / 3.7	65 x 50		*	*	*	726	714	708	684	564															
11	MHB 4HH	5.0 / 3.7	65 x 50		*	*	*	*	*	*	765	726	654	504													
12	MHB 36	5.0 / 3.7	65 x 50		*	*	*	*	*	*	*	*	762	650	372												
13	MHB 32	5.0 / 3.7	65 x 65		*	*	*	746	682	546	402																
14	MHB 5	5.0 / 3.7	75 x 65		*	*	1089	972	408																		
15	MHB 20	5.0 / 3.7	75 x 65		1520	1420	1314	1180	1010	702																	
16	MHB 20HH	5.0 / 3.7	75 x 65		*	*	*	*	1080	1044	936																
17	MHB 38	5.0 / 3.7	100 x 100		1608	1542	1446	1308	1110	858																	
18	MHB 21	7.5 / 5.5	65 x 50		*	*	*	*	*	1120	998	890	627														
19	MHB 6	7.5 / 5.5	65 x 50		*	*	*	*	*	*	*	888	732	672	408												
20	MHB 6HH	7.5 / 5.5	65 x 50		*	*	*	*	*	*	*	*	*	744	726	690	624	474									
21	MHB 7	7.5 / 5.5	75 x 65		*	*	1400	1320	1020	870	485																
22	MHB 22	7.5 / 5.5	75 x 65		*	*	1248	1188	1128	1068	1002	924	756														
23	MHB 8	7.5 / 5.5	75 x 75		*	*	*	1324	1268	1189	968																
24	MHB 34	7.5 / 5.5	100 x 75		*	1842	1600	1468	980																		
25	MHB 23	7.5 / 5.5	100 x 75		*	*	*	1386	1140	1032	720																
28	MHB 24	10.0 / 7.5	65 x 50		*	*	*	*	*	*	*	954	920	864	780	650											
27	MHB 9	10.0 / 7.5	65 x 50		*	*	*	*	*	*	*	798	792	774	756	738	714	678	570	168							
28	MHB 10	10.0 / 7.5	75 x 65		*	*	*	*	*	*	*	1230	1210	1190	1164	1056	816										
29	MHB 11	10.0 / 7.5	75 x 75		*	*	*	*	*	1400	1332	1268	980														
30	MHB 35	10.0 / 7.5	100 x 75		*	*	1860	1742	1140																		
31	MHB 25	10.0 / 7.5	100 x 75		*	*	*	*	1596	1502	1322	980															
32	MHB 37	10.0 / 7.5	100 x 75		*	*	*	*	*	1494	1470	1434	1380	1290	1128	858											
33	MHB 12	12.5 / 9.3	65 x 50		*	*	*	*	*	*	*	*	*	*	*	*	*	*	810	804	792	774	708	576	360		
34	MHB 13	12.5 / 9.3	75 x 65		*	*	*	*	*	*	1730	1630	1520	1400	1260	980											
35	MHB 26	12.5 / 9.3	75 x 65		*	*	*	*	*	*	*	*	*	1260	1180	1060	900	640									
36	MHB 14	12.5 / 9.3	100 x 75		*	*	*	*	*	1452	1396	1248	1050														
37	MHB 27	12.5 / 9.3	100 x 75		*	*	*	*	*	*	*	1960	1680	1420	1280	1060	780										
38	MHB 15	15.0 / 11.0	65 x 50		*	*	*	*	*	*	*	*	*	*	*	*	*	*	870	858	846	834	810	780	684		
39	MHB 28	15.0 / 11.0	75 x 65		*	*	*	*	*	*	*	*	1270	1198	1112	1036	952										
40	MHB 16	15.0 / 11.0	75 x 65		*	*	*	*	*	*	*	*	*	*	1086	1062	1032	996	930	840	630						
41	MHB 29	15.0 / 11.0	100 x 75		*	*	*	*	*	*	*	*	1332	1308	1260	1188	1080	948	870								
42	MHB 17	15.0 / 11.0	100 x 75		*	*	*	*	*	*	1680	1674	1656	1614	1518	1356	1068										

* DENOTES OVER LOADING REGION

Performance of "Mahendra" MSB series monobloc pumpsets at 1440 RPM with 415 volts, three phase, AC, 50 Hz supply

Sl. No.	PUMP MODEL	HP / KW	PIPE SIZE mm	TOTAL HEAD IN METRES	6	8	10	12	15	18	21	24	27	30	33	36	39	
					DISCHARGE IN LPM													
1	MSB 23	2.0 / 1.5	50 x 50	DISCHARGE IN LPM	689	678	564	435										
2	MSB 1	2.0 / 1.5	65 x 50		774	729	654	444										
3	MSB 2	3.0 / 2.2	65 x 50		906	876	825	756	462									
4	MSB 31	3.0 / 2.2	65 x 50		*	892	856	796	520	280								
5	MSB 24	3.0 / 2.2	65 x 50		*	*	*	836	792	646								
6	MSB 3	3.0 / 2.2	75 x 65		1120	1096	984	810	360									
7	MSB 4	3.0 / 2.2	100 x 75		1432	1368	1186	840										
8	MSB 5	3.0 / 2.2	100 x 100		1512	1424	1116	720										
9	MSB 6	5.0 / 3.7	65 x 50		1080	1026	968	804										
10	MSB 25	5.0 / 3.7	65 x 50		*	*	*	936	864	702								
11	MSB 26	5.0 / 3.7	65 x 50		*	*	*	*	980	924	846	698						
12	MSB 27	5.0 / 3.7	75 x 65		1342	1298	1214	1160	810									
13	MSB 7	5.0 / 3.7	75 x 65		*	*	*	1180	972	780								
14	MSB 8	5.0 / 3.7	75 x 75		1388	1326	1268	1188	834									
15	MSB 9	5.0 / 3.7	100 x 75		1622	1562	1386	1266	1084									
16	MSB 10	5.0 / 3.7	100 x 100		2376	1980	1512											
17	MSB 28	5.0 / 3.7	125 x 100		2420	2124	1524											
18	MSB 11	7.5 / 5.5	65 x 50		*	*	*	*	*	1224	1148	1032	924	822	460			
19	MSB 12	7.5 / 5.5	75 x 65		*	*	*	1302	1284	980	722	460						
20	MSB 30	7.5 / 5.5	75 x 75		*	*	*	*	1480	1300	1024	780						
21	MSB 13	7.5 / 5.5	100 x 75		*	*	*	2076	1928	1422	990	420						
22	MSB 14	7.5 / 5.5	100 x 100		*	*	*	2162	1966	1760								
23	MSB 15	7.5 / 5.5	125 x 100		2964	2400	2124	1800										
24	MSB 16	7.5 / 5.5	125 x 125		3300	2580	1380											
25	MSB 39	7.5 / 5.5	150 x 125		3420	2700	1440											
28	MSB 40	7.5 / 5.5	150 x 150		3585	2835	1590											
27	MSB 17	10.0 / 7.5	65 x 50		*	*	*	*	*	*	1242	1104	948	912	798	680	448	
28	MSB 32	10.0 / 7.5	75 x 65		*	*	*	*	*	1480	1372	1234	964	510				
29	MSB 18	10.0 / 7.5	100 x 75		*	*	*	*	*	1962	1640	1440	1160					
30	MSB 19	10.0 / 7.5	100 x 100		*	*	*	*	*	2278	2112	1344						
31	MSB 20	10.0 / 7.5	125 x 125		3488	2960	2240	1586										
32	MSB 29	10.0 / 7.5	150 x 125		3720	3540	1680											
33	MSB 41	10.0 / 7.5	150 x 150		4050	3180	1800											

* DENOTES OVER LOADING REGION

Performance of “Mahendra” RTM series “B” class monobloc pumpsets at 2880 RPM with 415 volts, three phase, AC, 50 Hz supply

SI. No.	PUMP MODEL	HP /KW	PIPE SIZE mm	TOTAL HEAD IN METRES	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54		
					DISCHARGE IN LPM																		
1	RTM 45	2.0 / 1.5	50 x 50	DISCHARGE IN LPM	456	438	414	384	345	294	216												
2	RTM 50	3.0 / 2.2	65 x 50		786	696	600	504															
3	RTM 60	3.0 / 2.2	65 x 50		*	*	*	612	568	510	456	318											
4	RTM 65	3.0 / 2.2	75 x 65		*	*	886	834	732	594													
5	RTM 75	5.0 / 3.7	75 x 65		*	946	900	858	762	624													
6	RTM 100	5.0 / 3.7	65 x 50		*	*	*	*	636	576	534	504	384										
7	RTM 110	5.0 / 3.7	65 x 50		*	*	*	*	*	832	765	708	624	402									
8	RTM 38	5.0/3.7	100 x 75		1470	1416	1296	1080	876														
9	RTM 120	7.5 / 5.5	65 x 50		*	*	*	*	*	*	852	822	774	708	618	360							
10	RTM 130	7.5 / 5.5	75 x 65		*	*	*	1264	1180	1122	1020	894											
11	RTM 80	7.5 / 5.5	100 x 75		*	1416	1362	1302	1200														
12	RTM 180	10.0 / 7.5	65 x 50		*	*	*	*	*	*	*	*	*	*	*	*	864	852	840	804	624	450	
13	RTM 140	10.0 / 7.5	75 x 65		*	*	*	*	*	*	*	1092	1086	1080	1056	984	708						
14	RTM 90	10.0 / 7.5	100 x 75		*	*	*	1660	1524	1422	1290	1122											

* DENOTES OVER LOADING REGION

Performance of “Mahendra” monobloc pumpsets at 2880 RPM with 400 volts, AC, 50 Hz supply

SI. No.	MODEL	HP/KW	PIPE SIZE mm	TOTAL HEAD IN MTRS	6	9	12	15	18	21	24	27
					DISCHARGE IN LPM							
1	RTM 38 F2	5.0/3.7	100X75	DISCHARGE IN LPM	1470	1416	1296	1080	876			
2	RTM 50 F2	3.0/2.2	65 X 50		786	696	600	504				
3	RTM 60 F2	3.0/2.2	65 X 50		*	*	*	568	510	456	318	
4	RTM 65 F2	3.0/2.2	75 X 65		*	*	834	732	594			
5	RTM 75 F2	5.0/3.7	75 X 65		*	946	900	858	762	624		
6	RTM 100 F2	5.0/3.7	65 X 50		*	*	*	*	576	534	504	384

* DENOTES OVER LOADING REGION