

Performance of “Mahendra” MR series submersible pumpsets suitable for 6” (150mm) Borewell at 2880 RPM with 415/360 volts, three phase AC, 50 Hz supply.

Sl. No.	PUMP MODEL	H.P./K.W	No. OF STAGES	PIPE SIZE mm	DISCHARGE IN LPM	0	30	45	60	90	105	135	165	195			
						TOTAL HEAD IN METRES									0	30	60
1	MR30/10/3	3.0/2.2	10	50	TOTAL HEAD IN METRES	85	80	78	76	66	62	50	35	22			
2	MR30/13/4	4.0/3.0	13	50		111	104	101	99	86	81	65	46	29			
3	MR30/16/5	5.0/3.7	16	50		136	128	125	122	106	99	80	56	35			
4	MR30/18/6	6.0/4.5	18	50		153	144	140	137	119	112	90	63	40			
5	MR30/20/6	6.0/4.5	20	50		170	160	156	152	132	124	100	70	44			
6	MR30/25/7.5	7.5/5.5	25	50		213	200	195	190	165	155	125	88	55			
7	MR30/33/10	10/7.5	33	50		281	264	257	251	218	204	165	115	72			
					DISCHARGE IN LPM	0	30	60	90	120	150	180	210	240			
8	MR40/7/3	3.0/2.2	7	50	TOTAL HEAD IN METRES	63	60	57	51	46	35	26	17	9			
9	MR40/8/3	3.0/2.2	8	50		72	69	65	58	53	40	30	19	10			
10	MR40/10/4	4.0/3.0	10	50		90	86	81	73	65	50	38	24	13			
11	MR40/12/5	5.0/3.7	12	50		108	103	97	88	78	60	45	29	15			
12	MR40/15/6	6.0/4.5	15	50		135	124	121	110	98	75	56	36	19			
13	MR40/18/7.5	7.5/5.5	18	50		162	150	146	132	117	90	68	44	23			
14	MR40/20/7.5	7.5/5.5	20	50		180	171	166	147	130	100	75	49	25			
15	MR40/25/10	10.0/7.5	25	50		225	208	202	183	162	125	94	61	32			
16	MR40/30/12.5	12.5/9.3	30	50		270	250	242	220	195	150	173	74	38			
17	MR40/35/15	15.0/11	35	50		315	291	284	256	227	175	131	85	44			
					DISCHARGE IN LPM	0	90	120	150	180	210	240	270	300			
18	MR50/5/3	3.0/2.2	5	50	TOTAL HEAD IN METRES	49	45	43	39	35	28	19	13	5			
19	MR50/6/3	3.0/2.2	6	50		58	54	51	47	41	33	23	15	6			
20	MR50/7/4	4.0/3.0	7	50		68	63	60	55	48	39	27	18	7			
21	MR50/8/4	4.0/3.0	8	50		78	72	68	62	55	44	30	20	8			
22	MR50/10/5	5.0/3.7	10	50		97	90	85	78	69	55	38	25	10			
23	MR50/12/6	6.0/4.5	12	50		116	108	102	94	83	66	46	30	12			
24	MR50/15/7.5	7.5/5.5	15	50		146	135	128	117	104	83	57	38	15			
25	MR50/20/10	10/7.5	20	50		194	180	170	156	138	110	76	50	20			
26	MR50/25/12.5	12.5/9.3	25	50		242	225	212	195	172	137	95	62	25			
27	MR50/30/15	15.0/11	30	50		291	270	255	234	207	165	114	75	30			
28	MR50/35/17.5	17.5/13	35	50		340	315	298	273	242	192	133	88	35			

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Sl. No.	PUMP MODEL	H.P./K.W	No.OF STAGES	PIPE SIZE mm	DISCHARGE IN LPM	0	120	150	180	210	240	270	300	330	
29	MR60/4/3	3.0/2.2	4	50	TOTAL HEAD IN METRES	39	38	37	35	32	29	24	21	15	
30	MR60/5/3	3.0/2.2	5	50		49	48	46	44	40	36	30	26	21	19
31	MR60/6/4	4.0/3.0	6	50		59	58	55	53	48	43	36	31	26	23
32	MR60/7/4	4.0/3.0	7	50		69	67	64	62	56	50	42	36	31	27
33	MR60/8/5	5.0/3.7	8	50		78	77	74	70	64	58	48	42	36	30
34	MR60/10/6	6.0/4.5	10	50		98	96	92	88	80	72	60	52	44	38
35	MR60/12/7.5	7.5/5.5	12	50		118	115	110	106	96	86	72	62	52	46
36	MR60/15/10	10/7.5	15	50		147	144	138	132	120	108	90	78	66	57
37	MR60/16/10	10/7.5	16	50		157	154	147	141	128	115	96	83	71	61
38	MR60/18/12.5	12.5/9.3	18	50		176	173	166	158	144	130	108	94	81	68
39	MR60/20/12.5	12.5/9.3	20	50		195	192	184	175	160	144	120	104	91	75
40	MR60/25/15	15.0/11	25	50		244	240	230	219	200	180	150	130	113	94
41	MR60/28/17.5	17.5/13	28	50		273	268	258	245	224	202	168	145	125	106
42	MR60/33/20	20.0/15	33	50		322	317	304	290	264	238	198	172	148	124
					DISCHARGE IN LPM	0	150	180	210	240	270	300	330	360	
43	MR70/4/3	3.0/2.2	4	50	TOTAL HEAD IN METRES	39	38	37	35	32	29	24	21	15	
44	MR70/6/4	4.0/3.0	6	50		59	58	55	53	48	43	36	31	26	23
45	MR70/7/5	5.0/3.7	7	50		69	67	64	62	56	50	42	36	31	27
46	MR70/9/6	6.0/4.5	9	50		88	86	82	79	72	64	54	46	39	34
47	MR70/10/7.5	7.5/5.5	10	50		98	96	92	88	80	72	60	52	44	38
48	MR70/14/10	10/7.5	14	50		138	134	128	124	112	100	84	72	61	54
49	MR70/18/12.5	12.5/9.3	18	50		176	173	166	158	144	130	108	94	81	68
50	MR70/21/15	15/11	21	50		207	201	192	186	168	150	126	108	93	81
51	MR70/28/20	20.0/15	28	50	273	268	258	245	224	202	168	145	125	106	
					DISCHARGE IN LPM	0	180	210	240	270	300	330	360	390	
52	MR80/4/3	3.0/2.2	4	50	TOTAL HEAD IN METRES	39	35	34	31	28	24	20	16	11	
53	MR80/5/4	4.0/3.0	5	50		49	44	43	39	35	30	25	20	15	14
54	MR80/6/5	5.0/3.7	6	50		59	53	51	47	42	36	30	24	19	17
55	MR80/7/6	6.0/4.5	7	50		69	62	60	55	49	42	35	28	22	20
56	MR80/10/7.5	7.5/5.5	10	50		98	88	85	78	70	60	50	40	32	28
57	MR80/12/10	10/7.5	12	50		118	106	102	94	84	72	60	48	39	34
58	MR80/15/12.5	12.5/9.3	15	50		147	132	128	117	105	90	75	60	48	42
59	MR80/18/15	15/11	18	50		176	158	153	140	126	108	90	72	57	50

150 mm (6" Borewell) MR Series Pumps

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Sl. No.	PUMP MODEL	H.P./K.W	No.OF STAGES	PIPE SIZE mm	DISCHARGE IN LPM	0	210	240	270	300	330	360	390	420
60	MR100/3/3	3.0/2.2	3	50	TOTAL HEAD IN METRES	33	29	29	28	26	24	22	20	16
61	MR100/4/4	4.0/3.0	4	50		44	39	38	37	34	32	29	27	21
62	MR100/5/5	5.0/3.7	5	50		55	49	48	46	43	40	37	34	27
63	MR100/6/6	6.0/4.5	6	50		66	59	57	55	51	47	44	41	32
64	MR100/8/7.5	7.5/5.5	8	50		88	78	76	74	68	63	58	51	42
65	MR100/10/10	10/7.5	10	50		110	98	95	92	85	79	73	64	53
66	MR100/12/12.5	12.5/9.3	12	50		132	118	114	110	102	95	88	79	64
67	MR100/15/15	15/11	15	50		165	147	143	138	128	119	110	109	80
68	MR100/18/17.5	17.5/13	18	50		198	176	171	166	153	142	131	119	95
69	MR100/20/20	20/15	20	50		220	196	190	184	170	158	146	131	106
					DISCHARGE IN LPM	0	300	330	360	390	420	450	480	510
70	MR120/3/4	4.0/3.0	3	50	TOTAL HEAD IN METRES	36	29	27	26	24	20	18	15	11
71	MR120/4/5	5.0/3.7	4	50		48	39	36	35	31	27	24	19	14
72	MR120/5/6	6.0/4.5	5	50		60	48	45	43	39	33	30	24	18
73	MR120/6/7.5	7.5/5.5	6	50		72	58	54	52	47	40	36	29	21
74	MR120/8/10	10/7.5	8	50		96	77	72	69	63	53	48	39	28
75	MR120/10/12.5	12.5/9.3	10	50		120	97	90	87	78	67	60	48	35
76	MR120/12/15	15/11	12	50		144	116	108	104	94	80	72	58	42
77	MR120/16/20	20.0/15	16	50		192	154	144	138	125	106	96	77	56