



## 150 mm Borewell Radial Flow Submersible Pumpsets - ER, MR & ER Mono Series

HP Range : 1.5 - 25 hp  
 Discharge : 420 - 30 lpm  
 Head Range : 13 - 397 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" ER & MR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 6" (150 mm) BOREWELL AT 2880 RPM WITH 360 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S. NO.	PUMP MODEL	HP/kw	No. OF STAGES	DELL SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES											
						30	45	60	90	105	135	165	180				
1	ER 25/12	3.0/2.2	12	50		103	98	92	80	72	49	31	19				
2	ER 25/16	4.0/3.0	16	50		137	130	123	107	95	66	42	25				
3	ER 25/20	5.0/3.7	20	50		171	163	153	133	119	82	52	31				
4	ER 25/24	6.0/4.5	24	50		206	195	184	160	143	98	62	38				
5	MR 25/30	7.5/5.5	30	50		257	244	230	200	179	123	78	47				
6	MR 25/35	10.0/7.5	35	50		300	285	268	233	209	144	91	55				
7	MR 25/40	10.0/7.5	40	50		343	325	307	267	239	164	104	63				
					DISCHARGE IN LPM	30	45	60	90	105	135	165	195				
8	ER 30/10	3.0/2.2	10	50		90	84	80	74	69	59	46	31				
9	ER 30/13	4.0/3.0	13	50		118	109	104	95	89	77	60	41				
10	ER 30/15	5.0/3.7	15	50		136	126	120	110	103	89	70	47				
11	ER 30/16	5.0/3.7	16	50		145	134	128	118	110	95	74	50				
12	ER 30/20	6.0/4.5	20	50		181	168	160	147	138	118	93	62				
13	MR 30/25	7.5/5.5	25	50		226	210	200	184	172	148	116	78				
14	MR 30/30	10.0/7.5	30	50		271	252	240	221	206	178	139	94				
15	MR 30/35	12.5/9.3	35	50		316	294	280	258	241	207	162	109				
16	MR 30/40	12.5/9.3	40	50		362	336	320	294	275	237	186	125				
					DISCHARGE IN LPM	30	60	90	120	150	180	210	240				
17	ER 40/8	3.0/2.2	8	50		79	75	71	63	55	45	35	21				
18	ER 40/10	4.0/3.0	10	50		99	94	88	79	68	57	44	27				
19	ER 40/12	5.0/3.7	12	50		119	113	106	95	82	68	53	32				
20	ER 40/15	6.0/4.5	15	50		149	141	133	119	103	85	68	40				
21	MR 40/20	7.5/5.5	20	50		196	188	177	158	137	113	88	53				
22	MR 40/25	10.0/7.5	25	50		248	235	221	198	171	142	110	67				
23	MR 40/30	12.5/9.3	30	50		296	283	265	238	205	170	133	80				
24	MR 40/35	15.0/11	35	50		347	330	309	277	239	198	155	93				
25	MR 40/40	17.5/13	40	50		397	377	353	317	273	227	177	107				



## 150 mm Borewell Radial Flow Submersible Pumpsets - ER, MR & ER Mono Series

HP Range : 1.5 - 25 hp  
 Discharge : 420 - 30 lpm  
 Head Range : 13 - 397 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" ER & MR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 6" (150 mm) BOREWELL AT 2880 RPM WITH 360 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S. NO.	PUMP MODEL	HP/kW	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES												
						90	120	150	180	210	240	270	300					
26	ER 50/6	3.0/2.2	6	50	TOTAL HEAD IN METRES	58	55	52	49	46	41	36	30					
27	ER 50/8	4.0/3.0	8	50		77	73	69	65	61	55	48	40					
28	ER 50/10	5.0/3.7	10	50		97	92	87	82	77	68	60	50					
29	ER 50/12	6.0/4.5	12	50		116	110	104	98	92	82	72	60					
30	ER 50/15	7.5/5.5	15	50		145	138	130	123	115	103	90	75					
31	MR 50/20	10/7.5	20	50		193	183	173	163	153	137	120	100					
32	MR 50/25	12.5/9.3	25	50		242	229	217	204	192	171	150	125					
33	MR 50/30	15.0/11	30	50		290	275	260	245	230	205	180	150					
34	MR 50/35	17.5/13	35	50		338	321	303	286	268	239	210	175					
35	MR 50/40	20.0/15.0	40	50		387	367	347	327	307	273	240	200					
					DISCHARGE IN LPM	129	150	189	210	240	270	309	339					
36	ER 60/5	3.0/2.2	5	50	TOTAL HEAD IN METRES	48	46	44	42	39	35	30	25					
37	ER 60/6	4.0/3.0	6	50		57	56	53	50	47	42	36	30					
38	ER 60/8	5.0/3.7	8	50		76	74	71	67	62	56	48	40					
39	ER 60/10	6.0/4.5	10	50		95	93	89	84	78	70	60	50					
40	ER 60/12	7.5/5.5	12	50		114	111	107	101	93	84	72	60					
41	MR 60/15	10/7.5	15	50		143	139	133	126	116	105	90	75					
42	MR 60/16	10/7.5	16	50		152	148	142	134	124	112	96	80					
43	MR 60/20	12.5/9.3	20	50		190	185	178	168	155	140	120	100					
44	MR 60/25	15.0/11	25	50		238	231	222	209	194	175	150	125					
45	MR 60/30	17.5/13	30	50		285	278	266	251	233	210	180	150					
					DISCHARGE IN LPM	189	210	249	270	300	339	369	399					
46	ER 80/4	3.0/2.2	4	50	TOTAL HEAD IN METRES	38	36	34	33	30	27	23	19					
47	ER 80/5	4.0/3.0	5	50		48	45	43	42	38	34	28	23					
48	ER 80/6	5.0/3.7	6	50		57	54	51	50	45	41	34	28					
49	ER 80/7	6.0/4.5	7	50		67	63	60	58	53	48	40	33					
50	ER 80/8	7.5/5.5	8	50		76	72	68	67	60	55	45	37					



## 150 mm Borewell Radial Flow Submersible Pumpsets - ER, MR & ER Mono Series

HP Range : 1.5 - 25 hp  
Discharge : 420 - 30 lpm  
Head Range : 13 - 397 Mts  
Category : Cat 'B'  
Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" ER & MR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 6" (150 mm) BOREWELL AT 2880 RPM WITH 360 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S. NO.	PUMP MODEL	HP/kw	No. OF STAGES	DELL.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES												
						180	210	240	270	300	330	360	390					
51	ER 80/10	7.5/5.5	10	50		95	90	85	83	75	68	57	47					
52	MR 80/12	10/7.5	12	50		114	108	102	100	90	82	68	56					
53	MR 80/15	12.5/9.3	15	50		143	135	128	125	113	103	85	70					
54	MR 80/18	15.0/11	18	50		171	162	153	150	135	123	102	84					
55	MR 80/25	20.0/15.0	25	50		238	225	213	208	188	171	142	117					
56	MR 80/30	25.0/18.5	30	50		333	315	298	292	263	239	198	163					
					DISCHARGE IN LPM	210	240	270	300	330	360	390	420					
57	ER 100/3	3.0/2.2	3	50		30	28	27	25	23	22	19	16					
58	ER 100/4	4.0/3.0	4	50		40	38	36	34	31	29	26	21					
59	ER 100/5	5.0/3.7	5	50		50	47	45	42	39	36	32	26					
60	ER 100/6	6.0/4.5	6	50		60	56	54	50	47	43	38	31					
61	ER 100/7	7.5/5.5	7	50		70	66	63	59	55	50	45	36					
62	ER 100/8	7.5/5.5	8	50		80	75	72	67	62	58	51	42					
63	MR 100/10	10/7.5	10	50		100	94	90	84	78	72	64	52					
64	MR 100/12	12.5/9.3	12	50		120	113	108	101	94	86	77	62					
65	MR 100/15	15.0/11	15	50		150	141	135	126	117	108	96	78					
66	MR 100/20	20.0/15.0	20	50		200	188	180	168	156	144	128	104					
67	MR 100/25	25.0/18.5	25	50		250	235	225	210	195	180	160	130					

PERFORMANCE OF "MAHENDRA" ER SERIES "MONOSUB" WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 6" (150 mm) BOREWELL AT 2880 RPM WITH 280 VOLTS SINGLE PHASE (UPTO 3 HP ONLY) (OR) 360 VOLTS, THREE PHASE, AC 50HZ SUPPLY

S. NO.	PUMP MODEL	HP/kw	No. OF STAGES	DELL.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES							
						30	45	60	90	105	135	165	195
1	ER 25/6 (Mono)	1.5/1.1	6	50		47	45	44	42	39	29	17	13
2	ER 25/8 (Mono)	2.0/1.5	8	50		62	60	58	56	52	38	22	17
3	ER 25/10 (Mono)	3.0/2.2	10	50		78	75	73	70	65	48	28	21
4	ER 25/12 (Mono)	3.0/2.2	12	50		93	90	87	84	78	57	33	26



## 150 mm Borewell Radial Flow Submersible Pumpsets - ER, MR & ER Mono Series

HP Range : 1.5 - 25 hp  
 Discharge : 420 - 30 lpm  
 Head Range : 13 - 397 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" ER SERIES "MONOSUB" WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 6" (150 mm) BOREWELL AT 2880 RPM WITH 220 VOLTS SINGLE PHASE (UPTO 3 HP ONLY) (OR) 360 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S No	PUMP MODEL	HP/KW	No. OF STAGES	DELL SIZE (mm)	DISCHARGE IN LPM	30	45	60	90	105	135	165	195
						5	ER 30/5 (Mono)	2.0/1.5	6	50	TOTAL HEAD IN METRES	54	50
6	ER 30/8 (Mono)	3.0/2.2	8	50	DISCHARGE IN LPM	72	67	64	59	55	47	37	25
7	ER 30/10 (Mono)	3.0/2.2	10	50	TOTAL HEAD IN METRES	90	84	80	74	69	59	46	31
8	ER 40/5 (Mono)	2.0/1.5	5	50	DISCHARGE IN LPM	30	60	90	120	150	180	210	240
9	ER 40/8 (Mono)	3.0/2.2	8	50	TOTAL HEAD IN METRES	49	47	44	39	34	28	22	13
10	ER 50/4 (Mono)	2.0/1.5	4	50	DISCHARGE IN LPM	79	75	71	63	55	45	35	21
11	ER 50/5 (Mono)	3.0/2.2	5	50	TOTAL HEAD IN METRES	90	120	150	180	210	240	270	300
12	ER 50/6 (Mono)	3.0/2.2	6	50	DISCHARGE IN LPM	30	37	35	33	31	27	24	20
13	ER 50/8 (Mono)	4.0/3.0	8	50	TOTAL HEAD IN METRES	48	46	43	41	38	34	30	25
14	ER 60/3 (Mono)	2.0/1.5	3	50	DISCHARGE IN LPM	58	55	52	49	46	41	36	30
15	ER 60/5 (Mono)	3.0/2.2	5	50	TOTAL HEAD IN METRES	77	73	69	65	61	55	48	40
16	ER 60/6 (Mono)	4.0/3.0	6	50	DISCHARGE IN LPM	120	150	180	210	240	270	300	330
17	ER 60/8 (Mono)	5.0/3.7	8	50	TOTAL HEAD IN METRES	29	28	26	25	23	21	18	15
18	ER 80/4 (Mono)	3.0/2.2	4	50	DISCHARGE IN LPM	48	46	44	42	39	35	30	25
19	ER 80/5 (Mono)	4.0/3.0	5	50	TOTAL HEAD IN METRES	58	55	53	50	47	42	36	30
20	ER 80/6 (Mono)	5.0/3.7	6	50	DISCHARGE IN LPM	77	74	70	67	62	56	48	40
21	ER 100/3 (Mono)	3.0/2.2	3	50	TOTAL HEAD IN METRES	180	210	240	270	300	330	360	390
22	ER 100/4 (Mono)	4.0/3.0	4	50	DISCHARGE IN LPM	38	36	34	33	30	27	23	19
23	ER 100/5 (Mono)	5.0/3.7	5	50	TOTAL HEAD IN METRES	48	45	43	42	38	34	28	23
					DISCHARGE IN LPM	57	54	51	50	45	41	34	28
					TOTAL HEAD IN METRES	210	240	270	300	330	360	390	420
					DISCHARGE IN LPM	30	28	27	25	23	22	19	16
					TOTAL HEAD IN METRES	40	38	36	34	31	29	26	21
					DISCHARGE IN LPM	50	47	45	42	39	36	32	26