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## MISSION STATEMENT

To provide reliable, energy efficient, quality pumping (water) solutions through a wide range of pumps to customers Worldwide, with constant innovation in design and best service, and always be a company mindful of its corporate social responsibility and achieve a sustainable profit and growth to the satisfaction of all stake holders.

To comply with all environmental laws related to our business activities, by continually improving our Environment management System, create employee awareness, contributing to the society to conserve natural resources.



Since 1960  
**MAHENDRA**<sup>®</sup>  
**PUMPS**



**vision Statement**

“ To achieve excellence through continuous improvement in products, service, skill level and adherence to standards and system”

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### Centrifugal Monobloc - MHB Series 2880 Rpm, "A" Class, Three Phase

**Description**                      **MHB**  
 HP Range                      : 3-10 hp  
 Discharge                      : 1842 - 168 lpm  
 Head Range                      : 6 - 54 Mts  
 Insulation                      : Class 'A'  
 Speed                              : 2880 rpm

#### PERFORMANCE OF "MAHENDRA" MHB SERIES MONOBLOC AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.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	
1	MHB 30	3.0 / 2.2	50 x 40	DISCHARGE IN LPM	*	*	*	496	468	386	252											
2	MHB 39	3.0 / 2.2	50 x 40		*	*	*	*	*	378	356	328	280	196								
3	MHB 3	3.0 / 2.2	65 x 50		792	762	726	660	570	445	170											
4	MHB 33	3.0 / 2.2	65 x 50		*	*	*	*	*	*	*	384	336	246								
5	MHB 31	5.0 / 3.7	50 x 40		*	*	*	*	628	584	468	360										
6	MHB 4	5.0 / 3.7	65 x 50		*	*	*	950	918	877	800	675										
7	MHB 4HH	5.0 / 3.7	65 x 50		*	*	*	*	*	*	765	726	654	504								
8	MHB 36	5.0 / 3.7	65 x 50		*	*	*	*	*	*	*	*	762	650	372							
9	MHB 20	5.0 / 3.7	75 x 65		1520	1420	1314	1180	1010	702												
10	MHB 20 HH	5.0 / 3.7	75 x 65		*	*	*	*	1080	1044	936											
11	MHB 38	5.0 / 3.7	100 x 100		1608	1542	1446	1308	1110	858												
12	MHB 21	7.5 / 5.5	65 x 50		*	*	*	*	*	1120	998	890	627									
13	MHB 6	7.5 / 5.5	65 x 50		*	*	*	*	*	*	*	*	888	732	672	408						
14	MHB 6HH	7.5 / 5.5	65 x 50		*	*	*	*	*	*	*	*	*	*	744	726	690	624	474			
15	MHB 22	7.5 / 5.5	75 x 65		*	*	1248	1188	1128	1068	1002	924	756									
16	MHB 34	7.5 / 5.5	100 x 75		*	1842	1600	1468	980													
17	MHB 23	7.5 / 5.5	100 x 75		*	*	*	1386	1140	1032	720											
18	MHB 24	10.0 / 7.5	65 x 50		*	*	*	*	*	*	*	*	954	920	864	780	650					
19	MHB 9	10.0 / 7.5	65 x 50		*	*	*	*	*	*	*	*	798	792	774	756	738	714	678	570	168	
20	MHB 10	10.0 / 7.5	75 x 65		*	*	*	*	*	*	*	*	1230	1210	1190	1164	1056	816				

\* DENOTES OVER LOADING REGION



### Centrifugal Monobloc - MHB & MSB Series 2880 Rpm, "A" Class, Three Phase

Description	MHB	MSB
HP Range	: 3-10 hp	2-10 hp
Discharge	: 1842 - 168 lpm	4050 - 280 lpm
Head Range	: 6 - 54 Mts	6 - 39 Mts
Insulation	: Class 'A'	Class 'A'
Speed	: 2880 rpm	1440 rpm

#### PERFORMANCE OF "MAHENDRA" MHB SERIES MONOBLOC AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	DISCHARGE IN LPM																		
					6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54		
21	MHB 11	10.0 / 7.5	75 x 75		*	*	*	*	*	1400	1332	1268	980										
22	MHB 35	10.0 / 7.5	100 x 75		*	*	1860	1742	1140														
23	MHB 25	10.0 / 7.5	100 x 75		*	*	*	*	1596	1502	1322	980											
24	MHB 37	10.0 / 7.5	100 x 75		*	*	*	*	*	1494	1470	1434	1380	1290	1128	858							

#### PERFORMANCE OF "MAHENDRA" MSB SERIES MONOBLOC AT 1440 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	DISCHARGE IN LPM															
					6	8	10	12	15	18	21	24	27	30	33	36	39			
1	MSB 23	2.0 / 1.5	50 x 50		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											

\* DENOTES OVER LOADING REGION



### Centrifugal Monobloc - MSB Series 2880 Rpm, "B" Class, Three Phase

Description      MSB

HP Range        : 2-10 hp  
Discharge       : 4050 - 280 lpm  
Head Range     : 6 - 39 Mts  
Insulation      : Class 'A'  
Speed            : 1440 rpm

#### PERFORMANCE OF "MAHENDRA" MSB SERIES MONOBLOC AT 1440 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	DISCHARGE IN LPM												
					6	8	10	12	15	18	21	24	27	30	33	36	39
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										
26	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





### Centrifugal Monobloc - RTM Series 2880 Rpm, "B" Class, Three Phase

Description RTM

HP Range : 3 - 5.0 hp  
Discharge : 946 - 318 lpm  
Head Range : 6 - 33 Mts  
Insulation : Class 'B'  
Speed : 2880 rpm



### Horizontal Openwell Submersible Pumpset - OVM Series

HP Range : 3 - 20 hp  
Discharge : 4000 - 120 lpm  
Head Range : 2 - 56 Mts  
Category : Cat 'B'  
Speed : 1440 & 2880 rpm

PERFORMANCE OF "MAHENDRA" RTM SERIES "B" CLASS MONOBLOC AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	6	9	12	15	18	21	24	27	30	33
1	RTM 50	3.0 / 2.2	65 x 50	DISCHARGE IN LPM	786	696	600	504						
2	RTM 60	3.0 / 2.2	65 x 50		*	*	*	612	568	510	456	318		
3	RTM 65	3.0 / 2.2	75 x 65		*	*	886	834	732	594				
4	RTM 75	5.0 / 3.7	75 x 65		*	946	900	858	762	624				
5	RTM 100	5.0 / 3.7	65 x 50		*	*	*	*	636	576	534	504	384	
6	RTM 110	5.0 / 3.7	65 x 50		*	*	*	*	*	832	765	708	624	402

PERFORMANCE OF "MAHENDRA" OVM SERIES HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	DELI. SIZE (mm)	TOTAL HEAD IN METRES	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
1	OVM 12	3.0 / 2.2	50	DISCHARGE IN LPM	820	800	780	740	640	620	530	500	400	300	120											
2	OVM 3HH	3.0 / 2.2	50		*	*	*	*	*	*	*	420	405	390	360	335	300	260	205	120						
3	OVM 30	3.0 / 2.2	65		1140	1032	960	906	810	720	552															
4	OVM 31	3.0 / 2.2	75		1248	1164	1086	882	732	534																
5	OVM 14	5.0 / 3.7	50		1100	1090	1080	1040	990	930	910	890	840	820	730	630	490									
6	OVM 24	5.0 / 3.7	50		*	*	*	*	*	690	678	675	665	653	640	630	620	610	575	544	515	485	454	354		
7	OVM 4HH	5.0 / 3.7	50		*	*	*	*	*	*	*	*	*	*	475	465	445	425	410	380	353	330	280	230	195	150
8	OVM 20	5.0 / 3.7	65		1500	1464	1416	1338	1242	1146	1020	876	732	504												
9	OVM 5	5.0 / 3.7	75		1608	1488	1344	1236	1128	1014	876	732	486													
10	OVM 38	6.5 / 4.8	50		*	1002	984	960	930	870	834	798	756	714	678	624	558	480	396	270						

\* DENOTES OVER LOADING REGION







### Vertical Openwell Submersible Pumpset - TCM Series

HP Range : 3 - 35 hp  
 Discharge : 2400 - 200 lpm  
 Head Range : 3 - 190 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" TCM SERIES VERTICAL OPENWELL RADIAL FLOW SUBMERSIBLE PUMPSET AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	No. OF STAGES	DELI. SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES																		
						200	250	300	350	400	450	500	550	600	650	700	750	800	850	900				
1	TCM 0302	3.0/2.2	2	65		32	29	28	27	24	20	17	15	11	7	3								
2	TCM 0502	5.0/3.7	2	65				37	36	35	33	31	29	26	24	20	17	14	10					
3	TCM 0503	5.0/3.7	3	65		48	44	42	41	36	31	26	23	17	11	5								
4	TCM 555	5.0/3.7	3	65		50	47	45	41	37	32	28												
5	TCM 0702	7.5/5.5	2	65			48	47	46	45	44	42	40	37	33	29	23	12						
6	TCM 0703	7.5/5.5	3	65				56	54	53	50	47	44	39	36	30	26	21	15					
7	TCM 0704	7.5/5.5	4	65		60	58	55	52	50	47	44	40	36	32	26	22	16	12					
8	TCM 775	7.5/5.5	4	65		76	71	66	59	50	41	33												
9	TCM 1004	10.0/7.5	4	65		76	75	74	72	70	66	62	57	53	48	43	37	30	24	17				
10	TCM 10110	10.0/7.5	6	65		100	94	84	75	64	54	42												
11	TCM 1205	12.5/9.3	5	65		95	93	92	90	87	82	77	71	66	60	53	46	37	30	21				
12	TCM 1207	12.5/9.3	7	65		112	102	98	95	84	72	60	53	39	25	11								
13	TCM 12120	12.5/9.3	7	65		117	110	98	88	75	63	49												
14	TCM 1506	15/11	6	65				111	108	105	99	93	87	78	72	60	51	42	30					
15	TCM 1508	15/11	8	65			128	117	112	109	96	83	69	61	45	29	13							
16	TCM 2008	20/15	8	65				148	144	140	132	124	116	104	96	80	68	56	40					
17	TCM 2509	25/18.5	9	65		171	169	167	164	159	151	142	132	122	110	95	81	66	49	23				
18	TCM 2510	25/18.5	10	65		190	188	185	182	177	168	158	147	135	122	106	90	73	54	26				



### Vertical Openwell Submersible Pumpset - TCM Series

HP Range : 3 - 35 hp  
 Discharge : 2400 - 200 lpm  
 Head Range : 3 - 190 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" TCM SERIES VERTICAL OPENWELL MIXED FLOW SUBMERSIBLE PUMPSET AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI. SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES										
						400	600	800	1000	1200	1400	1600	1800	2000	2200	2400
19	TCM 0702M	7.5/5.5	2	100		32	31	29	25	19	12					
20	TCM 1001	10.0/7.5	1	100		22	21	20	19	18	16	15	13	10		
21	TCM 1002	10.0/7.5	2	100		35	33	30	28	21	16	12				
22	TCM 1202	12.5/9.3	2	100		43	40	36	34	31	27	24	20	15		
23	TCM 1203	12.5/9.3	3	100		48	46	44	38	28	19	14	8			
24	TCM 1204	12.5/9.3	4	100		62	58	53	47	39	30	12				
25	TCM 1502	15/11	2	100		44	41	38	36	34	30	26	21	18		
26	TCM 1503	15/11	3	100		53	50	47	43	32	24	18	9			
27	TCM 1504	15/11	4	100		64	60	58	51	37	25	19	12			
28	TCM 1505	15/11	5	100		72	68	64	55	45	35	9				
29	TCM 2002	20/15	2	100			43	40	38	36	34	32	26	24	22	20
30	TCM 2003	20/15	3	100		65	61	57	54	50	43	38	30	25		
31	TCM 2004	20/15	4	100		70	66	63	58	42	32	24	12			
32	TCM 2005	20/15	5	100		80	75	72	64	46	31	23	13			
33	TCM 2006	20/15	6	100		102	95	87	78	64	52	37				
34	TCM 2502	25/18.5	2	100			50	48	44	42	40	37	34	30	25	23
35	TCM 2503	25/18.5	3	100			62	58	55	51	46	44	42	34	30	21
36	TCM 2504	25/18.5	4	100		82	80	72	68	62	54	48	40	30		
37	TCM 2505	25/18.5	5	100		87	82	79	72	53	40	30	15			
38	TCM 2506	25/18.5	6	100		104	95	89	84	48	38	28	20			
39	TCM 3003	30/22	3	100			64	60	57	54	51	48	39	36	33	30
40	TCM 3004	30/22	4	100		87	83	76	72	68	60	52	42	36		
41	TCM 3005	30/22	5	100		105	98	90	85	78	68	60	50	38		
42	TCM 3006	30/22	6	100		110	105	95	87	63	48	36	18			
43	TCM 3503	35/26	3	100			75	72	66	63	60	56	51	45	39	35
44	TCM 3504	35/26	4	100			93	90	88	84	80	75	68	62	57	43
45	TCM 3505	35/26	5	100		108	107	95	90	83	73	64	52	42		
46	TCM 3506	35/26	6	100		129	120	108	102	93	81	72	60	45		



### Single Phase Horizontal open well Submersible Pumpsets - SLICK & GOC

HP Range : 0.5 - 2.0 hp  
Discharge : 600 - 30 lpm  
Head Range : 7 - 43 Mts  
Category : Cat 'B'  
Speed : 2880 rpm



### Single Phase Vertical open well Submersible Pumpsets - VSM Series

HP Range : 0.5 - 1.5 hp  
Discharge : 100 - 20 lpm  
Head Range : 6 - 85 Mts  
Category : Cat 'B'  
Speed : 2880 rpm

#### PERFORMANCE OF "MAHENDRA" SLICK SERIES OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM, 220 VOLTS, SINGLE PHASE, AC, 50Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	DELI.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES										
					30	60	90	120	150	180	210	240	270		
1	SLICK 2	0.5/0.37	25		24	22	21	19	17	15					
2	SLICK 30	1.0/0.75	25		31	28	27	26	24	20					
3	SLICK 31+	1.0/0.75	25		35	33	31	27	22						
4	SLICK 45	1.5/1.1	25		43	42	41	40	37	34	31	27			
5	SLICK 5HH	1.5/1.1	40		31	30	29	28	26	25	23	21	19		
				DISCHARGE IN LPM	60	120	180	240	300	360	420	480	540	600	
5	SLICK 50	1.0/0.75	50		18	17	16	15	14	11.5	9	7			
6	SLICK 15	2.0/1.5	40		30	29	26	24	21	10					
7	SLICK 20	2.0/1.5	50		19.5	19	18	17	16	15	14	12	10	8	

#### PERFORMANCE OF "MAHENDRA" GOC SERIES OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM, 220 VOLTS, SINGLE PHASE, AC, 50Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	DELI.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES				
					30	60	90	120	150
1	GOC 50	0.5/0.37	25		17	15	10		
2	GOC 80	0.75/0.55	25		23	21	17	12	
3	GOC 90	1.0/0.75	25			26	22	16	11

#### PERFORMANCE OF "MAHENDRA" VSM SERIES VERTICAL OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kW	DELI.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES									
					20	30	40	50	60	70	80	90	100	
1	VSM 0507	0.5/0.37	32		42	35	28	20	8					
2	VSM 0706	0.75/0.55	32		42	40	35	33	27	21	17	8		
3	VSM 1008	1.0/0.75	32		56	53	47	44	36	28	22	10	6	
4	VSM 1012	1.0/0.75	32		69	67	64	60	52	44	36	28	12	
5	VSM 1515	1.5/1.1	32		85	83	79	74	65	55	45	34	14	
6	VSM 1507	1.5/1.1	40			43	42	40	38	37	36	34	33	



### Horizontal Single Phase Multistage Monobloc - MPH Series

HP Range : 0.5 - 1.5 hp  
Discharge : 8 - 0.9m<sup>3</sup>/ hr  
Head Range : 8 - 50 Mts  
Insulation : Class 'F'  
Speed : 2880 rpm

### Vertical Single Phase Multistage Monobloc - MVB Series

HP Range : 1.5 - 2.0 hp  
Discharge : 3.5 - 0.5 m<sup>3</sup>/ hr  
Head Range : 41 - 140 Mts  
Insulation : Class 'F'  
Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" MPH SERIES HORIZONTAL MULTI STAGE MONOBLOC AT 2880 RPM WITH 240 VOLTS, SINGLE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	16	20	24	26	30	34	38	42	48	50
1	MPH 2-40	0.50 / 0.37	25 x 25	DISCHARGE IN m <sup>3</sup> /hr	3.5	3.1	2.6	2.3	1.7	0.9				
2	MPH 2-50	0.60 / 0.45	25 x 25				3.4	3.1	2.9	2.5	2.1	1.6	1.0	
3	MPH 2-60	0.75 / 0.55	25 x 25						3.4	3	2.8	2.4	2.1	1.5

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	TOTAL HEAD IN METRES	8	10	12	14	20	24	28	32	36	40	44	48
1	MPH 4-30	0.60 / 0.45	32 x 25	DISCHARGE IN m <sup>3</sup> /hr	8.0	6.9	6.1	5.4	3	0.9						
2	MPH 4-40	0.9 / 0.7	32 x 25				7.7	7.3	6.7	5.2	3.9	2.6	1.1			
3	MPH 4-50	1.0 / 0.75	32 x 25					8.0	7.7	6.5	5.7	4.8	3.7	2.6	1.3	
4	MPH 4-60	1.50 / 1.10	32 x 25						8.0	7.0	6.3	5.6	4.8	3.9	3.2	2.2

PERFORMANCE OF "MAHENDRA" MVB SERIES VERTICAL MULTI STAGE MONOBLOC AT 2880 RPM WITH 240 VOLTS, SINGLE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	DISCHARGE IN m <sup>3</sup> /hr	0.5	1	1.5	2	2.5	3	3.5
1	MVB 2- 10	1.5/ 1.1	25 x 25	TOTAL HEAD IN METRES	93	89	83	75	66	54	41
2	MVB 2-15	2.0/1.5	25 x 25			140	133	124	113	98	81



### Vertical Multistage Centrifugal Inline Pumpset - MPV Series

HP Range : 0.5 - 60 hp  
 Discharge : 120 - 0.6 m<sup>3</sup>/ hr  
 Head Range : 3 - 320 Mts  
 Insulation : Class 'F'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" MPV SERIES INLINE PUMPSETS AT 2880 RPM  
 WITH 240 VOLTS SINGLE PHASE (UP TO 3 HP) (OR) 415 VOLTS THREE PHASE, AC 50HZ SUPPLY

Range	MPV SERIES											
	MPV 1	MPV 2	MPV 3	MPV 4	MPV 5	MPV 10	MPV 15	MPV 20	MPV 32	MPV 45	MPV 64	MPV 90
50Hz												
Nominal Flow (m <sup>3</sup> /hr)	1	2	3	4	5	10	15	20	32	45	64	90
Flow Range (m <sup>3</sup> /hr)	0.6-2.4	0.5-3.5	1.0-4.5	2.0-8.0	2.0-8.5	4.0-13.0	8.0-23.5	10.0-29.0	15.0-40.0	20.0-58.0	30.0-85.0	45.0-120.0
Max Pressure (bar)	22	25.2	23.8	22.3	24.5	22.2	23.8	25	27.2	32	22.4	20.5
Fluid Temperature (°C)	-20 to 120											
Motor Power (kW)	0.37 - 2.2	0.37 - 3.0	0.37 - 3.0	0.37-4.0	0.37-5.5	0.37-7.5	1.10-15.0	1.10-18.5	1.5-30.0	4.0-45.0	5.50-45.0	7.5-45.0
Motor												
Insulation class	F											
Enclosure class / degree of protection	IP 55											
Ambient Temperature	50°C											
MPV Pipe connection												
Flange	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100
MPVI Pipe connection												
Flange	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN25/ DN32	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100
Victaulic - Connection	R 1¼ DN 32	R 1¼ DN 32	R 1¼ DN 32	R 1¼ DN 32	R 1¼ DN 32	R 1½ DN 40	R 2 DN 50	R 2 DN 50	N/A	N/A	N/A	N/A

#### SPECIFICATIONS

##### MOTOR

Power Rating in kW : 0.37 - 45  
 Speed in RPM : 2900  
 Frequency in Hz : 50  
 Connection : Single Phase 220- 240 Volt &  
 Three phase 220-240 (Δ) / 380 - 415 (Λ) Volt  
 Type of Duty : S1 (continuous)

##### PUMP

Flow range in m<sup>3</sup>/hr : 0.6 - 120  
 Head range in m : 2.8 - 320  
 Operating Liquid Temperature : - 20°C to 120°C  
 Seal Type : Cartridge EPDM / Viton  
 Pump MOC : Cast Iron, SS 304, SS316  
 Port connection : DN25 - DN 40





### Sewage and Drainage Submersible Pumpsets - MSP & MDP Series

HP Range : 1.0 - 5.0 hp  
 Discharge : 850 - 150 lpm  
 Head Range : 5 - 18 Mts  
 Insulation : Class 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" MSP SERIES SEWAGE SUBMERSIBLE PUMPSETS AT 2880 RPM 220 VOLTS, SINGLE PHASE (UPTO 3.0HP) (or) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S.No	PUMP MODEL	HP/kW	DEL.SIZE (mm)	MAX.SOLID SIZE (mm)	DISCHARGE IN LPM	450	400	350	300	250	200	150		
1	MSP 10	1.0/0.75	50	15	TOTAL HEAD IN METRES			5	7	8	9	10		
2	MSP 15	1.5/1.1	50	15			8	9	10	11	13			
3	MSP 20	2.0/1.5	50	18		9	10	11	12	14				
					DISCHARGE IN LPM	850	800	750	700	650	600	550	500	450
4	MSP 30	3.0/2.2	50	20	TOTAL HEAD IN METRES					12	13	15	16	18
5	MSP 50	5.0/3.7	75	25		8	10	11	12	13	15			

PERFORMANCE OF "MAHENDRA" MDP SERIES DRAINAGE SUBMERSIBLE PUMPSETS AT 2880 RPM 220 VOLTS, SINGLE PHASE (UPTO 3.0HP) (or) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S.No	PUMP MODEL	HP/kW	DEL.SIZE (mm)	MAX.SOLID SIZE (mm)	DISCHARGE IN LPM	420	370	320	270	220	180	150		
1	MDP 10	1.0/0.75	50	10	TOTAL HEAD IN METRES			5	7	8	9	10		
2	MDP 15	1.5/1.1	50	10			8	9	10	11	13			
3	MDP 20	2.0/1.5	50	12		9	10	11	12	14				
					DISCHARGE IN LPM	800	760	720	670	620	570	520	470	420
4	MDP 30	3.0/2.2	50	15	TOTAL HEAD IN METRES					12	13	15	16	18
5	MDP 50	5.0/3.7	75	20		8	10	11	12	13	15			



### 80 mm (3") Borewell Water Cooled Submersible Pumpsets - V3 Series

HP Range : 0.5 - 1.5 hp  
 Discharge : 90 - 10 lpm  
 Head Range : 8 - 109 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" V3 SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 3"(80 mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE ,AC, 50 HZ SUPPLY

MAX OD 68 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	10	20	30	35	40	50	60
1	V3 2/8	0.5/0.37	8	25	TOTAL HEAD IN METRES	30	27	24	22	20	16	11
2	V3 2/12	0.75/0.55	12	25		45	41	36	33	30	24	17
3	V3 2/16	1.0/0.75	16	25		60	54	48	44	40	32	22
4	V3 2/20	1.25/0.93	20	25		75	68	60	55	50	40	28
5	V3 2/24	1.5/1.1	24	25		90	82	72	66	60	48	34

MAX OD 68 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	10	20	30	40	50	60	70
6	V3 4/7	0.5/0.37	7	25	TOTAL HEAD IN METRES	26	25	23	21	19	15	11
7	V3 4/10	0.75/0.55	10	25		37	35	33	30	27	22	16
8	V3 4/12	1.0/0.75	12	25		44	42	40	36	32	26	19
9	V3 4/15	1.25/0.93	15	25		56	53	50	45	40	33	24
10	V3 4/20	1.5/1.1	20	25		74	70	66	60	53	44	32

MAX OD 68 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	20	30	40	50	60	70	80
11	V3 5/6	0.5/0.37	6	25	TOTAL HEAD IN METRES	22	21	20	18	16	13	10
12	V3 5/8	0.75/0.55	8	25		30	28	26	24	21	18	14
13	V3 5/10	1.0/0.75	10	25		37	35	33	30	27	22	17
14	V3 5/12	1.25/0.93	12	25		44	42	40	36	32	26	20
15	V3 5/15	1.5/1.1	15	25		56	53	50	45	40	33	26



### 80 mm (3") Borewell Water Cooled Submersible Pumpsets - V3 Series

HP Range : 0.5 - 1.5 hp  
 Discharge : 90 - 10 lpm  
 Head Range : 8 - 109 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" V3 SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 3"(80 mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

MAX OD 74 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	10	20	30	40	50	60	70
16	V3 7/10	0.5/0.37	10	25	TOTAL HEAD IN METRES	39	36	32	26	20	14	8
17	V3 7/15	0.75/0.55	15	25		59	54	47	39	30	21	12
18	V3 7/20	1.0/0.75	20	25		78	72	63	52	40	28	16
19	V3 7/24	1.25/0.93	24	25		94	86	76	62	48	34	19
20	V3 7/26	1.5/1.1	26	25		101	94	82	68	52	36	21
21	V3 7/28	1.5/1.1	28	25		109	101	88	73	56	39	22

MAX OD 74 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	20	30	40	50	60	70	80
22	V3 10/7	0.5/0.37	7	32	TOTAL HEAD IN METRES	27	26	23	20	16	12	8
23	V3 10/10	0.75/0.55	10	32		39	37	34	29	24	18	11
24	V3 10/12	1.0/0.75	12	32		47	44	40	35	28	21	13
25	V3 10/15	1.25/0.93	15	32		59	56	50	44	35	26	17
26	V3 10/20	1.5/1.1	20	32		78	74	67	58	47	35	22

MAX OD 74 mm												
S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	30	40	50	60	70	80	90
27	V3 12/6	0.5/0.37	6	32	TOTAL HEAD IN METRES	25	24	22	19	16	13	10
28	V3 12/8	0.75/0.55	8	32		34	32	29	25	21	17	13
29	V3 12/10	1.0/0.75	10	32		42	40	36	32	27	22	16
30	V3 12/12	1.25/0.93	12	32		50	48	43	38	32	26	19
31	V3 12/15	1.5/1.1	15	32		63	60	54	47	40	32	24



### 100 mm Borewell Oil Cooled Submersible pumpsets - KRJ Series

HP Range : 0.5 - 2.0 hp  
 Discharge : 200 - 10 lpm  
 Head Range : 3 - 173 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" KRJ SERIES OIL COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220VOLTS, SINGLE PHASE,AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kW	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	12	18	24	30	36	42	48	54	60
						TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES	TOTAL HEAD IN METRES
1	KRJ 41/7	0.5/0.37	7	32	DISCHARGE IN LPM	39	38	36	34	32	30	26	20	17
2	KRJ 41/10	0.75/0.55	10	32	TOTAL HEAD IN METRES	56	54	51	48	46	43	38	29	24
3	KRJ 41/18	1.5/1.1	18	32	DISCHARGE IN LPM	101	98	93	87	83	77	68	51	44
4	KRJ 41/21	1.5/1.1	21	32	TOTAL HEAD IN METRES	117	114	109	102	96	89	79	60	51
5	KRJ 2M6/9	0.5/0.37	9	32	DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
6	KRJ 2M6/13	0.75/0.55	13	32	TOTAL HEAD IN METRES	54	51	47	42	37	31	25	19	11
7	KRJ 2M6/18	1.0/0.75	18	32	DISCHARGE IN LPM	77	73	67	61	53	45	36	27	16
8	KRJ 2M6/27	1.5/1.1	27	32	TOTAL HEAD IN METRES	107	101	93	84	73	62	50	37	22
9	KRJ 4M8/10	1.0/0.75	10	32	DISCHARGE IN LPM	161	152	140	126	110	93	75	56	33
10	KRJ 4M8/15	1.5/1.1	15	32	TOTAL HEAD IN METRES	20	30	40	50	60	70	80		
11	KRJ 4M8/18	2.0/1.5	18	32	DISCHARGE IN LPM	73	66	58	49	39	27	17		
12	KRJ 42H/7	0.5/0.37	7	32	TOTAL HEAD IN METRES	110	99	87	73	58	40	25		
13	KRJ 42H/10	0.75/0.55	10	32	DISCHARGE IN LPM	132	119	104	88	70	48	30		
14	KRJ 42H/14	1.0/0.75	14	32	TOTAL HEAD IN METRES	10	15	20	25	30	35	40	45	50
15	KRJ 42H/18	1.5/1.1	18	32	DISCHARGE IN LPM	48	46	43	39	35	30	26	21	16
16	KRJ 42H/21	1.5/1.1	21	32	TOTAL HEAD IN METRES	69	66	62	56	51	43	37	30	23
17	KRJ 42H/25	2.0/1.5	25	32	DISCHARGE IN LPM	97	92	87	78	71	62	52	40	32
18	KRJ 42H3/6	0.75/0.55	6	32	TOTAL HEAD IN METRES	124	118	111	100	90	77	67	54	41
19	KRJ 42H3/7	1.0/0.75	7	32	DISCHARGE IN LPM	145	138	129	117	105	90	78	63	48
20	KRJ 42H3/8	1.0/0.75	8	32	TOTAL HEAD IN METRES	173	164	154	139	125	107	93	75	57
21	KRJ 42H3/12	1.5/1.1	12	32	DISCHARGE IN LPM	20	30	40	50	60	70	80	90	100
22	KRJ 43/5	0.5/0.37	5	32	TOTAL HEAD IN METRES	42	40	35	33	27	21	17	8	3
23	KRJ 43/7	0.75/0.55	7	32	DISCHARGE IN LPM	49	46	41	39	32	25	19	9	5
24	KRJ 43/10	1.0/0.75	10	32	TOTAL HEAD IN METRES	56	53	47	44	36	28	22	10	6
25	KRJ 43/12	1.0/0.75	12	32	DISCHARGE IN LPM	84	80	71	66	54	42	33	15	9
26	KRJ 43/15	1.5/1.1	15	32	TOTAL HEAD IN METRES	26	25	24	23	18	16	13	8	4
27	KRJ 44/6	0.75/0.55	6	40	DISCHARGE IN LPM	37	35	34	32	25	22	18	11	7
28	KRJ 44/8	1.0/0.75	8	40	TOTAL HEAD IN METRES	57	50	48	45	35	32	26	15	11
					DISCHARGE IN LPM	69	67	64	60	52	44	36	28	12
					TOTAL HEAD IN METRES	85	83	79	74	65	55	45	34	14
					DISCHARGE IN LPM	40	60	80	100	120	140	160	180	200
					TOTAL HEAD IN METRES	34	32	28	22	18	10	7		
					DISCHARGE IN LPM	45	41	39	29	23	13	10		



### 100 mm Borewell Water Cooled Submersible Pumpsets - KR Series

HP Range : 0.5 - 3.0 hp  
 Discharge : 330 - 10 lpm  
 Head Range : 3 - 220 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" KRJ SERIES OIL COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

S.No	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	40	60	80	100	120	140	160	180	200
						TOTAL HEAD IN METRES								
29	KRJ 44/12	1.5/1.1	12	40		67	63	55	44	35	19	13		
30	KRJ 45/5	1.0/0.75	5	40		29	27	25	23	20	15	12	7	3
31	KRJ 45/7	1.5/1.1	7	40		42	38	36	33	27	22	16	9	4

PERFORMANCE OF "MAHENDRA" KR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE (or) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S.No	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	12	18	24	30	36	42	48	54	60
						TOTAL HEAD IN METRES								
1	KR 41/7	0.5/0.37	7	32		39	38	36	34	32	30	26	20	17
2	KR 41/10	0.75/0.55	10	32		56	54	51	48	46	43	38	29	24
3	KR 41/18	1.5/1.1	18	32		101	98	93	87	83	77	68	51	44
4	KR 41/21	1.5/1.1	21	32		117	114	109	102	96	89	79	60	51
					DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
5	KR 2M6/9	0.5/0.37	9	32		54	51	47	42	37	31	25	19	11
6	KR 2M6/13	0.75/0.55	13	32		77	73	67	61	53	45	36	27	16
7	KR 2M6/18	1.0/0.75	18	32		107	101	93	84	73	62	50	37	22
8	KR 2M6/27	1.5/1.1	27	32		161	152	140	126	110	93	75	56	33
9	KR 2M6/36	2.0/1.5	36	32		214	202	186	168	146	124	100	74	44
					DISCHARGE IN LPM	20	30	40	50	60	70	80		
10	KR 4M8/10	1.0/0.75	10	32		73	66	58	49	39	27	17		
11	KR 4M8/15	1.5/1.1	15	32		110	99	87	73	58	40	25		
12	KR 4M8/20	2.0/1.5	20	32		147	132	116	97	77	53	33		
13	KR 4M8/25	3.0/2.2	25	32		183	165	145	122	97	67	42		
14	KR 4M8/30	3.0/2.2	30	32		220	198	174	146	116	80	50		
					DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
15	KR 42H/7	0.5/0.37	7	32		48	46	43	39	35	30	26	21	16
16	KR 42H/10	0.75/0.55	10	32		69	66	62	56	51	43	37	30	23
17	KR 42H/14	1.0/0.75	14	32		97	92	87	78	71	62	52	40	32
18	KR 42H/18	1.5/1.1	18	32		124	118	111	100	90	77	67	54	41
19	KR 42H/21	1.5/1.1	21	32		145	138	129	117	105	90	78	63	48
20	KR 42H/25	2.0/1.5	25	32		173	164	154	139	125	107	93	75	57
21	KR 42H/28	2.0/1.5	28	32		193	184	172	156	140	120	104	84	64



## 100 mm Borewell Water Cooled Submersible Pumpsets - KR Series

HP Range : 0.5 - 3.0 hp  
 Discharge : 330 - 10 lpm  
 Head Range : 3 - 220 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" KR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE (or) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S.NO.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES												
						20	30	40	50	60	70	80	90	100				
22	KR 42H3/6	0.75/0.55	6	32		42	40	35	33	27	21	17	8	3				
23	KR 42H3/7	1.0/0.75	7	32		49	46	41	39	32	25	19	9	5				
24	KR 42H3/8	1.0/0.75	8	32		56	53	47	44	36	28	22	10	6				
25	KR 42H3/12	1.5/1.1	12	32		84	80	71	66	54	42	33	15	9				
26	KR 42H3/16	2.0/1.5	16	32		112	106	94	88	72	56	44	22	12				
27	KR 42H3/20	2.0/1.5	20	32		140	132	117	110	90	70	55	27	15				
28	KR 43/5	0.5/0.37	5	32		26	25	24	23	18	16	13	8	4				
29	KR 43/7	0.75/0.55	7	32		37	35	34	32	25	22	18	11	7				
30	KR 43/10	1.0/0.75	10	32		57	50	48	45	35	32	26	15	11				
31	KR 43/12	1.0/0.75	12	32		69	67	64	60	52	44	36	28	12				
32	KR 43/15	1.5/1.1	15	32		85	83	79	74	65	55	45	34	14				
33	KR 43/19	2.0/1.5	19	40		108	105	101	94	83	70	57	43	18				
34	KR 43/20	2.0/1.5	20	40		114	111	106	99	87	74	60	45	19				
35	KR 43/25	3.0/2.2	25	40		142	139	132	123	109	92	75	52	23				
					DISCHARGE IN LPM	40	60	80	100	120	140	160	180	200				
36	KR 44/6	0.75/0.55	6	40		34	32	28	22	18	10	7						
37	KR 44/8	1.0/0.75	8	40		45	41	39	29	23	13	10						
38	KR 44/12	1.5/1.1	12	40		67	63	55	44	35	19	13						
39	KR 44/16	2.0/1.5	16	40		90	84	74	59	44	26	17						
40	KR 45/5	1.0/0.75	5	40		29	27	25	23	20	15	12	7	3				
41	KR 45/7	1.5/1.1	7	40		42	38	36	33	27	22	16	9	4				
42	KR 45/10	2.0/1.5	10	40		59	55	51	46	39	31	23	14	6				
43	KR 45/15	3.0/2.2	15	40		89	82	76	70	58	47	34	20	8				
44	KR 47/6	1.5/1.1	6	50		35	34	32	30	28	24	22	18	14				
45	KR 47/8	2.0/1.5	8	50		47	45	42	40	37	32	29	23	18				
46	KR 47/9	2.0/1.5	9	50		53	51	48	45	42	36	33	26	21				
47	KR 47/12	3.0/2.2	12	50		71	68	63	60	56	48	44	35	27				
					DISCHARGE IN LPM	60	90	120	150	180	210	270	300	330				
48	KR 49/5	1.5/1.1	5	50		25	24	23	20	19	18	15	13	12				
49	KR 49/6	2.0/1.5	6	50		29	28	27	24	23	22	18	15	14				
50	KR 49/7	2.0/1.5	7	50		35	32	31	27	26	25	20	17	16				
51	KR 49/9	3.0/2.2	9	50		45	42	41	36	34	33	27	23	22				



### 100 mm Borewell Water Cooled Submersible Pumpsets - NSX Series

HP Range : 1.0 - 1.5 hp  
 Discharge : 100 - 10 lpm  
 Head Range : 6 - 135 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" NSX SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP / kW.	No.OF STAGES	DELI. SIZE (mm)	DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
1	NSX 43/12	1.0 / 0.75	12	32	TOTAL HEAD IN METERS	82	79	75	70	65	58	50	43	35
2	NSX 42H/15	1.0 / 0.75	15	32		91	86	82	76	70	62	53	41	34
3	NSX 42H/20	1.5 / 1.1	20	32		135	130	122	115	102	92	81	70	51
					DISCHARGE IN LPM	20	30	40	50	60	70	80	90	100
4	NSX 43/10	1.0 / 0.75	10	32	TOTAL HEAD IN METERS	61	54	52	47	37	33	25	14	6
5	NSX 4M8/15	1.5 / 1.1	15	32		102	98	89	78	64	48	34	12	
					DISCHARGE IN LPM	40	60	80	100					
6	NSX 44/08	1.0/0.75	8	32	HEAD IN METERS	54	45	31	16					

PERFORMANCE OF "MAHENDRA" KRM SERIES "MONOSUB" WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220VOLTS, SINGLE PHASE AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
1	KRM 42H/7	0.75 / 0.55	7	32	TOTAL HEAD IN METRES	48	46	43	39	35	30	26	21	16
2	KRM 42H/10	1.0/0.75	10	32		69	66	62	56	51	43	37	30	23
					DISCHARGE IN LPM	20	30	40	50	60	70	80	90	100
3	KRM 4M8/6	0.75 / 0.55	6	32	TOTAL HEAD IN METRES	44	41	35	30	24	17	11		
4	KRM 42H3/6	1.0/0.75	6	32		43	41	37	33	27	21	13	8	
5	KRM 4M8/8	1.0/0.75	8	32		59	54	47	40	32	22	14		
6	KRM 43/8	1.0/0.75	8	32		46	40	39	36	28	26	21	12	9

PERFORMANCE OF "MAHENDRA" VR SERIES WATER COOLED SUBMERSIBLE PUMPSETS SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS SINGLE PHASE (3 HP ONLY) ( OR ) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
1	VR 42H/38	3.0/2.2	38	40	TOTAL HEAD IN METRES	262	250	233	212	190	163	141	114	87
						DISCHARGE IN LPM	10	20	30	40	50	60	70	80
2	VR 42H2/25	3.0/2.2	25	40	TOTAL HEAD IN METRES	169	162	152	139	123	103	80	55	30
3	VR 42H2/30	3.0/2.2	30	40		203	194	182	167	148	124	96	66	36
4	VR 42H2/35	4.0/3.0	35	40		237	226	213	195	173	145	112	77	42
5	VR 42H2/40	4.0/3.0	40	40		271	259	243	223	197	165	127	89	47
6	VR 42H2/50	5.0/3.7	50	40		339	323	304	279	247	207	159	111	59
7	VR 42H2/60	6.0/4.5	60	40		406	388	365	334	296	248	191	133	71
8	VR 42H2/75	7.5/5.5	75	40		508	485	456	418	370	310	239	166	89



### 4" Borewell Submersible Pumpsets - VR Series

HP Range : 3.0 - 7.5 hp  
 Discharge : 330 - 10 lpm  
 Head Range : 7 - 508 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" VR SERIES WATER COOLED SUBMERSIBLE PUMPSETS  
 SUITABLE FOR 4" (100mm) BOREWELL AT 2880 RPM WITH 220 VOLTS SINGLE PHASE  
 (3 HP ONLY) ( OR ) 415 VOLTS THREE PHASE, AC, 50 HZ SUPPLY

S. NO.	PUMP MODEL	HP/kW	No. OF STAGES	DELI. SIZE (mm)	DISCHARGE IN LPM	TOTAL HEAD IN METRES									
						20	30	40	50	60	70	80	90	100	
9	VR 42H3/24	3.0/2.2	24	40		168	156	144	132	105	81	63	33	18	
10	VR 42H3/32	4.0/3.0	32	40		224	208	192	176	140	108	84	44	24	
11	VR 42H3/40	5.0/3.7	40	40		280	260	240	220	175	135	105	55	30	
12	VR 42H3/48	6.0/4.5	48	40		336	318	282	264	210	162	126	66	36	
13	VR 43/25	3.0/2.2	25	40		142	139	132	123	109	92	75	57	23	
14	VR 43/30	3.0/2.2	30	40		170	166	158	148	130	110	90	68	28	
					DISCHARGE IN LPM	40	60	80	100	120	140	160	180	200	
15	VR 44/24	3.0/2.2	24	40		134	126	110	88	70	38	26			
16	VR 44/32	4.0/3.0	32	40		179	168	147	118	94	51	35			
17	VR 44/37	5.0/3.7	37	40		207	194	170	136	109	59	40			
18	VR 44/45	6.0/4.5	45	40		252	236	207	166	132	72	49			
19	VR 44/54	7.5/5.5	54	40		302	284	248	199	159	86	59			
20	VR 45/12	3.0/2.2	12	40		71	66	60	56	46	37	28	16	7	
21	VR 45/15	3.0/2.2	15	40		89	82	76	70	58	47	34	20	8	
22	VR 45/19	4.0/3.0	19	40		113	104	96	88	73	59	43	25	10	
23	VR 45/22	5.0/3.7	22	40		131	121	112	102	85	69	50	29	12	
24	VR 45/25	5.0/3.7	25	40		149	137	127	116	97	78	57	33	14	
25	VR 45/30	6.0/4.5	30	40		179	164	152	139	116	94	68	40	17	
26	VR 45/35	7.5/5.5	35	40		209	191	177	162	135	110	79	47	20	
27	VR 47/12	3.0/2.2	12	50		73	70	68	63	57	51	45	37	30	
28	VR 47/18	4.0/3.0	18	50		110	105	102	95	86	77	68	56	45	
29	VR 47/21	5.0/3.7	21	50		128	123	119	111	101	90	80	65	53	
30	VR 47/25	6.0/4.5	25	50		153	146	141	132	120	107	95	78	63	
31	VR 47/28	7.5/5.5	28	50		171	164	158	148	134	120	106	87	70	
32	VR 47/30	7.5/5.5	30	50		183	176	169	159	144	129	114	93	75	
					DISCHARGE IN LPM	60	90	120	150	180	210	270	300	330	
33	VR 49/9	3.0/2.2	9	50		45	42	41	36	34	33	27	23	22	
34	VR 49/12	4.0/3.0	12	50		60	56	55	48	45	44	36	31	30	
35	VR 49/14	5.0/3.7	14	50		70	66	64	56	53	51	42	36	35	
36	VR 49/17	6.0/4.5	17	50		85	80	77	68	64	62	51	43	42	

Note: 125mm(5") Borewell motor also available in 5.0, 6.0 & 7.5 HP models.





## 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	30	45	60	90	105	135	165	180
						TOTAL HEAD IN METRES							
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	96	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	66	40
21	MR 40/20	7.5/5.5	20	50		198	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		298	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	90	120	150	180	210	240	270	300		
						TOTAL HEAD IN METRES								90	120
26	ER 50/6	3.0/2.2	6	50		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	120	150	180	210	240	270	300	330		
36	ER 60/5	3.0/2.2	5	50		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	180	210	240	270	300	330	360	390		
46	ER 80/4	3.0/2.2	4	50		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	DELI.SIZE (mm)	DISCHARGE IN LPM	180	210	240	270	300	330	360	390
						TOTAL HEAD IN METRES							
51	ER 80/10	7.5/5.5	10	50	TOTAL HEAD IN METRES	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
						210	240	270	300	330	360	390	420
57	ER 100/3	3.0/2.2	3	50	TOTAL HEAD IN METRES	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 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	DELI.SIZE (mm)	DISCHARGE IN LPM	30	45	60	90	105	135	165	195
						TOTAL HEAD IN METRES							
1	ER 25/6 (Mono)	1.5/1.1	6	50	TOTAL HEAD IN METRES	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	DELI.SIZE (mm)	DISCHARGE IN LPM	30	45	60	90	105	135	165	195
5	ER 30/6 (Mono)	2.0/1.5	6	50	TOTAL HEAD IN METRES	54	50	48	44	41	35	28	19
6	ER 30/8 (Mono)	3.0/2.2	8	50		72	67	64	59	55	47	37	25
7	ER 30/10 (Mono)	3.0/2.2	10	50		90	84	80	74	69	59	46	31
					DISCHARGE IN LPM	30	60	90	120	150	180	210	240
8	ER 40/5 (Mono)	2.0/1.5	5	50	TOTAL HEAD IN METRES	49	47	44	39	34	28	22	13
9	ER 40/8 (Mono)	3.0/2.2	8	50		79	75	71	63	55	45	35	21
						DISCHARGE IN LPM	90	120	150	180	210	240	270
10	ER 50/4 (Mono)	2.0/1.5	4	50	TOTAL HEAD IN METRES	39	37	35	33	31	27	24	20
11	ER 50/5 (Mono)	3.0/2.2	5	50		48	46	43	41	38	34	30	25
12	ER 50/6 (Mono)	3.0/2.2	6	50		58	55	52	49	46	41	36	30
13	ER 50/8 (Mono)	4.0/3.0	8	50		77	73	69	65	61	55	48	40
					DISCHARGE IN LPM	120	150	180	210	240	270	300	330
14	ER 60/3 (Mono)	2.0/1.5	3	50	TOTAL HEAD IN METRES	29	28	26	25	23	21	18	15
15	ER 60/5 (Mono)	3.0/2.2	5	50		48	46	44	42	39	35	30	25
16	ER 60/6 (Mono)	4.0/3.0	6	50		58	55	53	50	47	42	36	30
17	ER 60/8 (Mono)	5.0/3.7	8	50		77	74	70	67	62	56	48	40
					DISCHARGE IN LPM	180	210	240	270	300	330	360	390
18	ER 80/4 (Mono)	3.0/2.2	4	50	TOTAL HEAD IN METRES	38	36	34	33	30	27	23	19
19	ER 80/5 (Mono)	4.0/3.0	5	50		48	45	43	42	38	34	28	23
20	ER 80/6 (Mono)	5.0/3.7	6	50		57	54	51	50	45	41	34	28
					DISCHARGE IN LPM	210	240	270	300	330	360	390	420
21	ER 100/3 (Mono)	3.0/2.2	3	50	TOTAL HEAD IN METRES	30	28	27	25	23	22	19	16
22	ER 100/4 (Mono)	4.0/3.0	4	50		40	38	36	34	31	29	26	21
23	ER 100/5 (Mono)	5.0/3.7	5	50		50	47	45	42	39	36	32	26



## 150 mm Borewell Mixed Flow Submersible Pumpsets - EM & MM Series

HP Range : 3.0 - 25 hp  
 Discharge : 1260 - 150 lpm  
 Head Range : 8 - 185 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" EM & MM 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	150	180	270	360	420	480	540	600
						150	240	300	420	510	600	690	780
1	EM 10/3	3.0/2.2	3	65	TOTAL HEAD IN METRES	28	26	25	23	22	20	16	13
2	EM 10/4	4.0/3.0	4	65		37	35	34	31	29	26	22	17
3	EM 10/5	5.0/3.7	5	65		46	44	42	38	36	33	27	21
4	EM 10/6	6.0/4.5	6	65		56	53	50	46	44	39	32	26
5	EM 10/7	7.5/5.5	7	65		65	61	59	53	51	46	38	30
6	EM 10/8	7.5/5.5	8	65		74	70	67	61	58	52	43	34
7	MM 10/10	10/7.5	10	65		93	88	84	76	73	65	54	43
8	MM 10/12	12.5/9.3	12	65		111	105	101	92	87	78	65	51
9	MM 10/15	15.0/11	15	65		139	131	126	114	109	98	81	64
10	MM 10/20	20.0/15	20	65		185	175	168	153	145	130	108	85
					DISCHARGE IN LPM	150	240	300	420	510	600	690	780
11	EM 12/3	4.0/3.0	3	65	TOTAL HEAD IN METRES	29	27	26	23	21	17	13	8
12	EM 12/4	5.0/3.7	4	65		38	36	35	31	28	22	17	10
13	EM 12/5	6.0/4.5	5	65		48	45	44	39	35	28	21	13
14	EM 12/6	7.5/5.5	6	65		57	54	53	47	42	33	26	15
15	MM 12/8	10/7.5	8	65		76	72	70	62	56	44	34	20
16	MM12/10	12.5/9.3	10	65		95	90	88	78	70	55	43	25
17	MM 12/12	15/11	12	65		114	108	105	93	84	66	51	30
18	MM 12/16	20.0/15	16	65		152	144	140	124	112	88	68	40
					DISCHARGE IN LPM	240	330	420	510	600	690	780	840
19	EM 15/3	5.0/3.7	3	75	TOTAL HEAD IN METRES	28	27	25	23	20	16	11	9
20	EM 15/4	6.0/4.5	4	75		37	36	33	31	27	21	15	12
21	EM 15/5	7.5/5.5	5	75		47	45	42	38	33	27	18	15
22	MM 15/6	10/7.5	6	75		56	54	50	46	40	32	22	18
23	MM 15/8	12.5/9.3	8	75		75	72	67	61	53	43	29	24
24	MM 15/10	15/11	10	75		93	90	83	77	67	53	37	30
25	MM 15/12	17.5/13	12	75		112	108	100	92	80	64	44	36
26	MM15 /13	20/15	13	75		121	117	108	100	87	69	48	39



## 150 mm Borewell Mixed Flow Submersible Pumpsets - EM & MM Series

HP Range : 3.0 - 25 hp  
 Discharge : 1260 - 150 lpm  
 Head Range : 8 - 185 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" EM & MM 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	300	420	540	660	780	900	1020	1140
27	EM 20/3	6.0/4.5	3	75	TOTAL HEAD IN METRES	30	28	27	25	23	21	17	13
28	EM 20/4	7.5/5.5	4	75		41	38	35	33	30	27	23	17
29	MM 20/5	10/7.5	5	75		51	47	44	41	38	34	29	21
30	MM 20/6	12.5/9.3	6	75		61	57	53	50	45	41	34	26
31	MM 20/7	15.0/11	7	75		71	66	62	58	53	48	40	30
32	MM 20/8	15.0/11	8	75		81	75	71	66	61	55	46	34
33	MM 20/10	20/15	10	75		116	108	101	95	87	78	65	49
34	MM 20/12	25/18.5	12	75		139	129	121	114	104	94	78	59
					DISCHARGE IN LPM	480	600	720	810	900	1020	1140	1260
35	EM 25/3	7.5/5.5	3	75	TOTAL HEAD IN METRES	32	31	29	27	25	21	17	11
36	MM 25/4	10/7.5	4	75		43	41	38	36	33	28	22	15
37	MM 25/5	12.5/9.3	5	75		54	51	48	45	41	35	28	19
38	MM 25/6	15/11	6	75		65	62	57	54	50	42	33	23
39	MM 25/8	20/15	8	75		86	82	76	72	66	56	44	30
40	MM25/10	25/18.5	10	75		108	103	95	90	83	70	55	38

PERFORMANCE OF "MAHENDRA" SMS SERIES (50 FEET PER STAGE) 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	210	180	150	120	90	60
1	SMS 50/6	3.0/2.2	6	50	TOTAL HEAD IN METRES	36	50	62	76	82	88
2	SMS 50/8	4.0/3.0	8	50		48	67	83	101	109	117
3	SMS 50/10	5.0/3.7	10	50		60	83	103	127	137	147
4	SMS 50/12	6.0/4.5	12	50		72	100	124	152	164	176
5	SMS 50/15	7.5/5.5	15	50		90	125	155	190	205	220
6	SMS 50/20	10.0/7.5	20	50		120	167	207	253	273	293
7	SMS 50/25	12.5/9.3	25	50		150	208	258	317	342	367



### 150 mm Borewell 50 Feet Per Stage Submersible Pumpsets - SMS Series

Pour Range : 3 - 20 hp  
 Flow Range : 700 - 60 lpm  
 Head Range : 8 - 367 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" SMS SERIES (50 FEET PER STAGE) 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	240	210	180	150	120	90	
8	SMS 60/5	3.0/2.2	5	50	TOTAL HEAD IN METRES	26	38	52	63	71	77	
9	SMS 60/6	4.0/3.0	6	50		31	46	62	75	85	92	
10	SMS 60/8	5.0/3.7	8	50		41	61	83	100	113	123	
11	SMS 60/10	6.0/4.5	10	50		52	77	104	125	142	154	
12	SMS 60/12	7.5/5.5	12	50		62	92	125	150	170	185	
13	SMS 60/16	10.0/7.5	16	50		83	123	167	200	227	247	
14	SMS 60/20	12.5/9.3	20	50		103	153	208	250	283	308	
					DISCHARGE IN LPM	320	280	240	200	160	120	80
15	SMS 80/4	3.0/2.2	4	50	TOTAL HEAD IN METRES	22	31	42	53	58	62	64
16	SMS 80/5	4.0/3.0	5	50		28	39	53	66	73	78	81
17	SMS 80/6	5.0/3.7	6	50		33	47	63	79	87	94	97
18	SMS 80/7	6.0/4.5	7	50		39	55	74	92	102	109	113
19	SMS 80/8	7.5/5.5	8	50		44	62	84	106	116	125	129
20	SMS 80/10	7.5/5.5	10	50		55	78	105	132	145	156	161
21	SMS 80/12	10.0/7.5	12	50		66	94	126	158	174	187	193
22	SMS 80/15	12.5/9.3	15	50		83	117	158	198	218	234	242
23	SMS 80/18	15.0/11	18	50		99	140	189	238	261	281	290
					DISCHARGE IN LPM	410	360	310	260	210	160	100
24	SMS 100/3	3.0/2.2	3	50	TOTAL HEAD IN METRES	15	23	32	37	41	44	45
25	SMS 100/4	4.0/3.0	4	50		20	30	42	49	55	58	60
26	SMS 100/5	5.0/3.7	5	50		25	38	53	61	69	73	75
27	SMS 100/6	6.0/4.5	6	50		30	45	64	74	83	88	90
28	SMS 100/8	7.5/5.5	8	50		40	60	85	98	110	117	120
29	SMS 100/10	10.0/7.5	10	50		50	75	106	123	138	146	150
30	SMS 100/12	12.5/9.3	12	50		60	90	127	147	165	175	180
31	SMS 100/15	15.0/11.0	15	50		75	113	159	184	206	219	225
32	SMS 100/17	17.5/13.0	17	50		85	128	181	208	234	249	255
33	SMS 100/20	20.0/15.0	20	50		100	150	212	245	275	292	300



### 150 mm Borewell 50 Feet Per Stage Submersible Pumpsets - SMS Series

Pour Range : 3 - 20 hp  
 Flow Range : 700 - 60 lpm  
 Head Range : 8 - 367 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF "MAHENDRA" SMS SERIES (50 FEET PER STAGE) 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	530	470	410	350	290	230	150
34	SMS 125/3	4.0/3.0	3	65	TOTAL HEAD IN METRES	15	23	31	36	41	44	45
35	SMS 125/4	5.0/3.7	4	65		20	31	41	48	55	58	60
36	SMS 125/5	6.0/4.5	5	65		25	39	52	60	68	73	75
37	SMS 125/6	7.5/5.5	6	65		30	47	62	72	82	87	90
38	SMS 125/8	10.0/7.5	8	65		40	63	83	96	109	116	120
39	SMS 125/10	12.5/9.3	10	65		50	78	103	120	137	145	150
40	SMS 125/12	15.0/11	12	65		60	94	124	144	164	174	180
41	SMS 125/14	17.5/13.0	14	65		70	110	145	168	191	203	210
42	SMS 125/16	20.0/15.0	16	65		80	125	165	192	219	232	240
						DISCHARGE IN LPM	650	580	510	440	370	300
43	SMS 150/2	3.0/2.2	2	65	TOTAL HEAD IN METRES	10	13	17	23	26	28	29
44	SMS 150/3	5.0/3.7	3	65		15	20	25	34	39	42	44
45	SMS 150/4	6.0/4.5	4	65		20	27	33	45	52	56	58
46	SMS 150/5	7.5/5.5	5	65		25	33	42	57	65	70	73
47	SMS 150/7	10.0/7.5	7	65		35	47	58	79	91	98	102
48	SMS 150/8	12.5/9.3	8	65		40	53	67	91	104	112	116
49	SMS 150/10	15.0/11	10	65		50	67	83	113	130	140	145
50	SMS 150/12	17.5/13.0	12	65		60	80	100	136	156	168	174
51	SMS 150/14	20.0/15.0	14	65		70	93	117	159	182	196	203
						DISCHARGE IN LPM	700	650	600	550	500	400
52	SMS 200/2	4.0/3.0	2	65	TOTAL HEAD IN METRES	8	15	20	24	26	28	30
53	SMS 200/3	6.0/4.5	3	65		12	23	30	36	39	42	45
54	SMS 200/4	7.5/5.5	4	65		16	30	40	48	52	56	60
55	SMS 200/5	10.0/7.5	5	65		20	38	50	60	65	70	75
56	SMS 200/6	12.5/9.3	6	65		24	45	60	72	78	84	90
57	SMS 200/7	15.0/11	7	65		28	53	70	84	91	98	105
58	SMS 200/9	17.5/13.0	9	65		36	68	90	108	117	126	135
59	SMS 200/10	20.0/15.0	10	65		40	75	100	120	130	140	150





## V6 / V7 Borewell Submersible Pumpsets - MM67 Series

HP Range : 6 - 20 hp  
 Discharge : 1600 - 200 lpm  
 Head Range : 13 - 80 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF MAHENDRA MM67 SERIES (V6 MOTOR + V7 PUMP)  
 SUBMERSIBLE PUMPSETS SUITABLE FOR 7" (175 mm) BOREWELL AT  
 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S.No.	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	200	300	500	700	800	1000	
1	MM67 20/3	6.0/4.5	3	100	TOTAL HEAD IN METRES	34	32	29	25	23	19	
2	MM67 20/4	7.5/5.5	4	100		45	43	39	33	31	25	
3	MM67 20/5	10.0/7.5	5	100		57	53	48	42	38	32	
4	MM67 20/6	12.5/9.3	6	100		68	64	58	50	46	38	
					DISCHARGE IN LPM	400	500	600	700	900	1100	
5	MM67 25/3	7.5/5.5	3	100	TOTAL HEAD IN METRES	40	36	34	32	27	22	
6	MM67 25/4	10.0/7.5	4	100		53	48	45	43	36	29	
7	MM67 25/5	12.5/9.3	5	100		67	60	57	53	45	37	
8	MM67 25/6	15.0/11.0	6	100		80	72	68	64	54	44	
					DISCHARGE IN LPM	500	600	700	800	1000	1100	
9	MM67 30/3	10.0/7.5	3	100	TOTAL HEAD IN METRES	40	37	35	33	31	27	
10	MM67 30/4	12.5/9.3	4	100		53	49	47	44	41	36	
11	MM67 30/5	15.0/11.0	5	100		67	62	58	55	52	45	
12	MM67 30/6	17.5/13.0	6	100		80	74	70	66	62	54	
					DISCHARGE IN LPM	400	500	600	800	1000	1200	1300
13	MM67 40/2	7.5/5.5	2	100	TOTAL HEAD IN METRES	31	30	29	26	24	21	16
14	MM67 40/3	12.5/9.3	3	100		47	45	43	39	36	32	24
15	MM67 40/4	15.0/11.0	4	100		63	60	57	52	48	43	32
16	MM67 40/5	20.0/15.0	5	100		78	75	72	65	60	53	40
					DISCHARGE IN LPM	400	600	800	1000	1200	1400	1600
17	MM67 50/2	10.0/7.5	2	100	TOTAL HEAD IN METRES	34	31	30	27	24	21	13
18	MM67 50/3	15.0/11.0	3	100		51	47	45	40	36	32	20
19	MM67 50/4	20.0/15.0	4	100		68	63	60	53	48	43	27



### V6 / V8 Borewell Submersible Pumpsets - MM68 Series

HP Range : 10 - 25 hp  
 Discharge : 2400 - 300 lpm  
 Head Range : 12 - 108 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF MAHENDRA MM68 SERIES (V6 MOTOR + V8 PUMP) SUBMERSIBLE PUMPSETS SUITABLE FOR 8" (200 mm) BOREWELL AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S NO	PUMP MODEL	HP/kw	No. OF STAGES	DELI.SIZE (mm)	DISCHARGE IN LPM	300	500	700	1000	1200	1400	1600		
1	MM68 40/3	12.5/9.3	3	100	TOTAL HEAD IN METRES	54	50	45	42	24	19	14		
2	MM68 40/4	15.0/11.0	4	100		72	67	60	56	32	25	19		
3	MM68 40/5	20.0/15.0	5	100		90	83	75	70	40	32	23		
4	MM68 40/6	25.0/18.5	6	100		108	100	90	84	48	38	28		
					DISCHARGE IN LPM	300	500	700	1000	1200	1400	1600		
5	MM68 50/2	10.0/7.5	2	100	TOTAL HEAD IN METRES	38	35	32	29	21	16	12		
6	MM68 50/3	15.0/11.0	3	100		57	53	48	44	32	24	18		
7	MM68 50/4	20.0/15.0	4	100		76	70	64	58	42	32	24		
8	MM68 50/5	25.0/18.5	5	100		95	88	80	73	53	40	30		
					DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800	2000	
9	MM68 60/2	12.5/9.3	2	100	TOTAL HEAD IN METRES	40	36	34	31	27	24	20	15	
10	MM68 60/3	17.5/13	3	100		60	54	51	47	41	36	30	23	
11	MM68 60/4	25.0/18.5	4	100		80	72	68	62	54	48	40	30	
						DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800	2000
12	MM68 70/2	15.0/11.0	2	100	TOTAL HEAD IN METRES	42	38	36	34	30	26	21	18	
13	MM68 70/3	20.0/15.0	3	100		63	57	54	51	45	39	32	27	
						DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800	2000
14	MM68 80/3	25.0/18.5	3	100		TOTAL HEAD IN METRES	64	62	58	54	50	49	42	38
					DISCHARGE IN LPM	1000	1200	1400	1600	1800	2000	2200	2400	
15	MM68 100/1	10.0/7.5	1	125	TOTAL HEAD IN METRES	23	22	21	20	19	18	16	13	
16	MM68 100/2	20.0/15.0	2	125		46	44	43	40	37	35	31	25	



### V8 Borewell Submersible Pumpsets - MM8 Series

HP Range : 10 - 30 hp  
 Discharge : 2400 - 300 lpm  
 Head Range : 12 - 114 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm

PERFORMANCE OF MAHENDRA MM8 SERIES (V8 MOTOR & PUMP) SUBMERSIBLE PUMPSETS SUITABLE FOR 8" (200 mm) BOREWELL AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50HZ SUPPLY

S No	PUMP MODEL	HP/kw	No. OF STAGES	DELI. SIZE (mm)	DISCHARGE IN LPM	300	500	700	1000	1200	1400	1600	
1	MM8 40/3	12.5/9.3	3	100	TOTAL HEAD IN METRES	54	50	45	42	24	19	14	
2	MM8 40/4	15.0/11.0	4	100		72	67	60	56	32	25	19	
3	MM8 40/5	20.0/15.0	5	100		90	83	75	70	40	32	23	
4	MM8 40/6	25.0/18.5	6	100		108	100	90	84	48	38	28	
					DISCHARGE IN LPM	300	500	700	1000	1200	1400	1600	
5	MM8 50/2	10.0/7.5	2	100	TOTAL HEAD IN METRES	38	35	32	29	21	16	12	
6	MM8 50/3	15.0/11.0	3	100		57	53	48	44	32	24	18	
7	MM8 50/4	20.0/15.0	4	100		76	70	64	58	42	32	24	
8	MM8 50/5	25.0/18.5	5	100		95	88	80	73	53	40	30	
9	MM8 50/6	30.0/22.0	6	100	114	105	96	87	63	48	36		
					DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800	2000
10	MM8 60/2	12.5/9.3	2	100	TOTAL HEAD IN METRES	40	36	34	31	27	24	20	15
11	MM8 60/3	17.5/13	3	100		60	54	51	47	41	36	30	23
12	MM8 60/4	25.0/18.5	4	100		80	72	68	62	54	48	40	30
13	MM8 60/5	30.0/22.0	5	100		100	90	85	78	68	60	50	38
					DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800	2000
14	MM8 70/2	15.0/11.0	2	100	TOTAL HEAD IN METRES	42	38	36	34	30	26	21	18
15	MM8 70/3	20.0/15.0	3	100		63	57	54	51	45	39	32	27
16	MM8 70/4	30.0/22.0	4	100		84	76	72	68	60	52	42	36
						DISCHARGE IN LPM	600	800	1000	1200	1400	1600	1800
17	MM8 80/3	25.0/18.5	3	100	TOTAL HEAD IN METRES	64	62	58	54	50	49	42	38
					DISCHARGE IN LPM	1000	1200	1400	1600	1800	2000	2200	2400
18	MM8 100/1	10.0/7.5	1	125	TOTAL HEAD IN METRES	23	22	21	20	19	18	16	13
19	MM8 100/2	20.0/15.0	2	125		46	44	43	40	37	35	31	25
20	MM8 100/3	30.0/22.0	3	125		69	66	65	60	56	53	47	38

### Single Phase Regenerative Monobloc TESTA, SMV & MMV Series



HP Range : 0.5 - 1.0 hp  
Discharge : 57 - 4 lpm  
Head Range : 6 - 48 mts  
Insulation : Class 'B'  
Speed : 2880 rpm

### Single Phase Regenerative Monobloc MDS & MES Series



HP Range : 0.5 - 1.0 hp  
Discharge : 60 - 4 lpm  
Head Range : 6 - 48 mts  
Insulation : Class 'B'  
Speed : 1440 rpm

PERFORMANCE OF "MAHENDRA" REGENERATIVE MONOBLOC AT 2880 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kw	PIPE SIZE (mm)	CAPACITOR	TOTAL HEAD IN METRES	DISCHARGE IN LPM																
						6	9	12	15	18	21	24	27	30	33	36	39	42	45	48		
1	TESTA	0.5/0.37	25 X 25	8 MFD	DISCHARGE IN LPM	34	29	25	21	18	13	8										
2	SMV 16	0.5/0.37	25 X 25	10 MFD		44	40	39	34	30	26	22	18	15	11	6						
3	SMV 16+	0.5/0.37	25 X 25	10 MFD		33	30	28	25	22	20	16	13	10								
4	SMV 18	0.5/0.37	25 X 25	10 MFD		57	51	46	42	37	32	26	22	14	13	9						
5	SMV 18+	0.5/0.37	25 X 25	10 MFD		54	51	46	41	35	28	21	11									
6	SMV 20	0.5/0.37	25 X 25	20 MFD		39	36	34	31	28	25	21	18	15	12	9	6					
7	METRO 10	1.0/0.75	25 X 25	10 MFD		46	42	41	36	32	28	24	20	17	14	10	6					
8	SMV 25	1.0/0.75	25 X 25	15 MFD		52	50	49	47	45	43	42	40	37	34	28	24	21	16	12		
9	SMV 25+	1.0/0.75	25 X 25	10 MFD		47	43	42	38	35	31	28	23	20	18	14	8					
10	MMV 12	0.5/0.37	25 X 25	8 MFD		37	34	30	28	25	22	19	17	14	11	9	7	5				

PERFORMANCE OF "MAHENDRA" REGENERATIVE MONOBLOC AT 1440 RPM WITH 220 VOLTS, SINGLE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kw	PIPE SIZE (mm)	CAPACITOR	TOTAL HEAD IN METRES	DISCHARGE IN LPM																
						6	9	12	15	18	21	24	27	30	33	36	39	42	45	48		
11	MDS 2	0.5/0.37	25 X 25	60/80 MFD	DISCHARGE IN LPM	54	45	40	33	28	23	19	16	10								
12	MDS 3	1.0/0.75	25 X 25	100/120 MFD		60	59	58	57	55	51	47	44	39	35	31	27	23	15	6		
13	MES 2	0.5/0.37	25 X 25	60/80 MFD, 15 MFD		46	41	37	33	27	21	18	14	9								
14	MES 3	1.0/0.75	25 X 25	100/120 MFD, 20 MFD		57	55	54	53	51	47	43	41	36	31	27	23	20	12	4		

PERFORMANCE OF "MAHENDRA" CENTRIFUGAL MONOBLOC AT 220 VOLTS, 2880 RPM, SINGLE PHASE, AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kw	PIPE SIZE (mm)	CAPACITOR	TOTAL HEAD IN METRES	DISCHARGE IN LPM																
						8	9	10	11	12	13	14										
1	CHV 1	0.5/0.37	40 X 40	25 MFD	DISCHARGE IN LPM	285	275	265	225													
2	CHV 1HH	0.5/0.37	40 X 40	25 MFD		280	260	248	208	175	115											
					TOTAL HEAD IN METRES	8	10	12	14	16	18	20	22	24	26	28	30	32	34			
3	TC 50+	0.5/0.37	25 X 25	20 MFD	DISCHARGE IN LPM	117	116	115	102	96	54											
4	HC 50	0.5/0.37	25 X 25	10 MFD		110	104	98	76													
5	TC 60	0.5/0.37	25 X 25	20 MFD		120	118	116	113	110	107	80	54	28								
6	CHV 2	0.5/0.37	25 X 25	20 MFD		118	115	113	106	102	85	48	15									
7	CHV 2+	0.5/0.37	25 X 25	25 MFD		128	126	122	116	102	78	32										



### Single Phase Shallow Well Monobloc TELMA & PRIMA Series



HP Range : 0.5 - 1.0 hp  
 Discharge : 3140 - 300 lph  
 Head Range : 10 - 40 Mts  
 Category : Class 'B'  
 Speed : 2880 rpm

**PERFORMANCE OF "MAHENDRA " SHALLOW WELL MONOBLOC AT 2880 RPM, SINGLE PHASE , AC, 50 HZ SUPPLY**

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	CAPACITOR	TOTAL HEAD IN METRES	10	15	20	25	28	30	32	34	36	38	40
1	TELMA / PRIMA 25	0.5/0.37	25 X 25	15 MFD	DISCHARGE IN LPH	3140	3080	2980	2780	2100	1360	980	730	320		
2	TELMA / PRIMA 50	1.0/0.75	25 X 25	20 MFD		3100	3100	3020	2820	2660	2480	2100	1600	1100	720	300

**PERFORMANCE OF "MAHENDRA " CENTRIFUGAL MONOBLOC AT 220 VOLTS, 2880 RPM, SINGLE PHASE , AC, 50 HZ SUPPLY**

S.No.	PUMP MODEL	HP/kW	PIPE SIZE (mm)	CAPACITOR	TOTAL HEAD IN METRES	6	8	9	10	11	12	13	14	15	16	17	18	19
1	SMART 0515	0.5/0.37	25 X 25	10 MFD	DISCHARGE IN LPM		115	112	110	106	102	85	68	45				
2	SMART 1015	1.0/0.75	40 X 40	25 MFD		312	309	302	280	260	248	208	175	115				
3	SMART 1010	1.0/0.75	50 X 50	25 MFD		395	360	330	288	255	210							
4	SMART 1515	1.5/1.1	50 X 50	25 MFD		495	487	480	456	432	365	298						
5	SMART 1510	1.5/1.1	75 X 75	25 MFD		655	560	510	465	420	295							
6	SMART 2010	2.0/1.5	75 X 75	40 MFD		710	655	610	560	524	490	360	240					
7	SMART 2015	2.0/1.5	65 X 50	40 MFD			520	505	490	475	460	435	410	365	320	274	228	168





### Belt compressors - RK Series

- HP Range : 1.0 - 10 hp
- Discharge : 40000 - 600 lph
- Head Range : 31 - 185 Mts (100 - 600 feet)
- Insulation : Class 'A'
- Type : Single & Double Cylinder

### Mono compressors - RS Series

- HP Range : 1.0 - 2.0 hp
- Discharge : 4200 - 900 lph
- Head Range : 31 - 123 Mts (100 - 400 feet)
- Insulation : Class 'A'
- Type : Single Cylinder



PERFORMANCE OF "MAHENDRA" BELT COMPRESSOR AT 1440 RPM, SINGLE PHASE, 220 VOLTS (UPTO 2 HP ONLY) or , THREE PHASE, 415 VOLTS , 50 HZ, AC SUPPLY

S.No.	MODEL	HP/kw	AIR PIPE DELIVERY PIPE SIZE	BEARING		OIL SEAL	"V" BELT	PULLEY DIA	COMPRESSOR SPEED	PISTON SIZE	STROKE LENGTH	No.OF CYLINDRES	WORKING PRESSURE Kg/Sq.cm	TOTAL HEAD IN FEET	LIFTING HEIGHT	DISCHARGE IN LPH						
				FRONT	BACK											100	150	200	300	400	600	
1	RK 10	1.0 / 0.75	12 40	6305	6305	35x45x7	A 39	145	1200	60	35	1	7			75%	1500	1300	1150	1050	900	
																50%	1900	1500	1300	1200	1000	
																25%	3900	3000	2800	2400	2400	
2	RK 15	1.5 / 1.1	12 40	6305	6305	35x45x7	A 39	145	930	60	60	1	10			75%	1700	1500	1350	1250	1100	
																50%	2100	1700	1500	1400	1200	
																25%	4100	3200	3000	2600	2600	
3	RK20	2.0/1.5	12 40	6305	6305	35x45x7	A52	210	960	60	58	2	9			75%	3000	2800	2500	2000	1800	600
																50%	3600	3000	2800	2400	2000	800
																25%	8000	6200	5800	5400	4200	1800
4	RK 30	3.0 / 2.2	20 50	6305	6305	35x45x7	A 64	306	760	70	85	2	9			75%	4500	4100	4000	3000	2800	1100
																50%	5500	5000	4500	3400	3200	1300
																25%	12000	9000	8500	8100	7500	2500
5	RK 50	5.0 / 3.7	20 50	6305	6305	35x45x7	A 66	306	925	70	85	2	9			75%	7500	7000	6000	5000	4500	3000
																50%	9000	8500	8000	6000	5000	4500
																25%	20000	16000	15000	14000	13000	11000
6	RK 75	7.5 / 5.5	20 50	6307	6307	40x60x12	B 76	300	760	100	85	2	7			75%	11000	10500	9000	8000	7000	5000
																50%	14000	12000	10000	8500	7500	6000
																25%	30000	24000	22000	20000	20000	18000
7	RK 100	10 / 7.5	20 65	6307	6307	40x60x12	B 76	300	910	100	85	2	7			75%	15000	14000	12500	10000	9500	8000
																50%	18000	15000	13000	11000	10000	9000
																25%	40000	31000	29000	27000	27000	21000

PERFORMANCE OF "MAHENDRA" MONO COMPRESSOR AT 1440 RPM, SINGLE PHASE, 220 VOLTS, 50 HZ, AC SUPPLY

S.No.	MODEL	HP/kw	AIR PIPE DELIVERY PIPE SIZE	BEARING		OIL SEAL	CAPACITOR (MFD)		CURRENT IN Amps	PISTON SIZE	STROKE LENGTH	No.OF CYLINDRES	WORKING PRESSURE Kg/Sq.cm	TOTAL HEAD IN FEET	LIFTING HEIGHT	DISCHARGE IN LPH					
				FRONT	BACK		START	RUN								100	150	200	300	400	
1	RS 10	1.0 / 0.75	12 25	6305	6203	28x47x7	100 / 120	20	8	57 (2+2)	35	1	9			75%	1500	1300	1150	1050	900
																50%	1900	1500	1300	1200	1000
																25%	3900	3000	2800	2400	2400
2	RS 15	1.5 / 1.1	12 25	6305	6203	28x47x7	120 / 150	25	10	60 (2+2)	35	1	9			75%	1700	1500	1350	1250	1100
																50%	2100	1700	1500	1400	1200
																25%	4100	3200	3000	2600	2600
3	Rs 20	2.0 / 1.5	12 25	6206	6203	32x47x7	200 / 250	36	10	70 (2+2)	35	1	9			75%	1800	1600	1450	1350	1200
																50%	2200	1800	1600	1500	1300
																25%	4200	3300	3100	2900	2700