



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 230 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

MAX OD 68 mm												
S.No.	PUMP MODEL	HP/KW	No. OF STAGES	DELL.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	DELL.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	DELL.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	DELL.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 7/26	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	DELL.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	DELL.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 Water Cooled Submersible Pumpsets - KR Series

HP Range : 0.5 - 3.0 hp
Discharge : 330 - 10 lpm
Head Range : 3 - 920 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.N.O	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		57	63	36	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.N.O	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	108	102	96	89	79	60	51
					DISCHARGE IN LPM	10	15	20	25	30	35	40	45	50
5	KR 2M/9	0.5/0.37	9	32		54	51	47	42	37	31	25	19	11
6	KR 2M/13	0.75/0.55	13	32		77	73	67	61	53	45	36	27	16
7	KR 2M/18	1.0/0.75	18	32		107	101	93	84	73	62	50	37	22
8	KR 2M/27	1.5/1.1	27	32		161	152	140	126	110	93	75	56	33
9	KR 2M/36	2.0/1.5	36	32		214	202	186	168	146	124	100	74	44
					DISCHARGE IN LPM	28	30	40	50	60	70	80		
10	KR 4M/10	1.0/0.75	10	32		73	66	58	49	39	27	17		
11	KR 4M/15	1.5/1.1	15	32		110	99	87	73	58	40	25		
12	KR 4M/20	2.0/1.5	20	32		147	132	116	97	77	53	33		
13	KR 4M/25	3.0/2.2	25	32		183	165	145	122	97	67	42		
14	KR 4M/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		146	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 - 920 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	DELL 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	75	70	58	47	34	20	8						
44	KR 47/6	1.5/1.1	6	50	35	34	32	30	26	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 230 VOLTS, SINGLE PHASE, AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP / kW.	No. OF STAGES	DELL. 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	66	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 230VOLTS, SINGLE PHASE AC, 50 HZ SUPPLY

S.No.	PUMP MODEL	HP/kW	No. OF STAGES	DELL. 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 METERS	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 METERS	44	41	35	30	24	17	11		
4	KRM 42H/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 230 VOLTS SINGLE PHASE (3 HP ONLY) (OR) 415 VOLTS THREE PHASE AC, 50 HZ SUPPLY

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