







Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

MSP4RFE

Water Filled - Radial Flow

MSP4RFE01

Motor Rating		STAGE	Outlet Size 32mm (1.25")					50Hz			
			Discharge								
KW	HP		m³/h	0	0.9	1.2	1.5	1.8	2.16	2.52	2.88
			lps	0	0.25	0.33	0.42	0.50	0.60	0.70	0.80
			lpm	0	15	20	25	30	36	42	48
0.37	0.5	7	Head in Meters	49	46	43	40	35	29	20	10
0.55	0.75	10		70	65	62	57	50	41	29	14
0.75	1	12		84	78	74	68	60	49	35	17
0.75	1	13		91	85	81	74	65	53	38	18
0.75	1	14		98	91	87	80	70	57	41	20
0.75	1	15		105	98	93	86	75	62	44	21
0.75	1	16		112	104	99	91	80	66	46	22
1.1	1.5	18		126	117	112	103	90	74	52	25
1.1	1.5	19		133	124	118	108	95	78	55	27
1.1	1.5	20		140	130	124	114	100	82	58	28
1.5	2	23		161	150	143	131	115	94	67	32
1.5	2	24		168	156	149	137	120	98	70	34
1.5	2	25		175	163	155	143	125	103	73	35
2.2	3	36		252	234	223	205	180	148	104	50
2.2	3	37		259	241	229	211	185	152	107	52
2.2	3	38		266	247	236	217	190	156	110	53
2.2	3	39		273	254	242	222	195	160	113	55
2.2	3	40		280	260	248	228	200	164	116	56





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SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

MSP4RFE

Water Filled - Radial Flow

MSP4RFE02

Motor Rating		STAGE	Outlet Size 32mm (1.25")				50Hz				
			Discharge								
KW	HP		m³/h	0	1.2	1.5	1.92	2.4	3	3.3	3.6
			lps	0	0.33	0.42	0.53	0.67	0.83	0.92	1
			lpm	0	20	25	32	40	50	55	60
0.37	0.5	6	Head in Meters	45	41	39	35	30	22	16	10
0.55	0.75	8		60	54	52	47	40	29	22	13
0.55	0.75	9		68	61	59	53	45	32	24	14
0.75	1	10		75	68	65	59	50	36	27	16
0.75	1	11		83	75	72	65	55	40	30	18
0.75	1	12		90	82	78	71	60	43	32	19
1.1	1.5	14		105	95	91	83	70	50	38	22
1.1	1.5	15		113	102	98	89	75	54	41	24
1.1	1.5	16		120	109	104	94	80	58	43	26
1.1	1.5	17		128	116	111	100	85	61	46	27
1.5	2	18		135	122	117	106	90	65	49	29
1.5	2	19		143	129	124	112	95	68	51	30
1.5	2	20		150	136	130	118	100	72	54	32
1.5	2	21		158	143	137	124	105	76	57	34
1.5	2	22		165	150	143	130	110	79	59	35
2.2	3	25		188	170	163	148	125	90	68	40
2.2	3	26		195	177	169	153	130	94	70	42
2.2	3	27		203	184	176	159	135	97	73	43
2.2	3	28		210	190	182	165	140	101	76	45
2.2	3	29		218	197	189	171	145	104	78	46
2.2	3	30		225	204	195	177	150	108	81	48
2.2	3	31		233	211	202	183	155	112	84	50
2.2	3	32		240	218	208	189	160	115	86	51
2.2	3	33		248	224	215	195	165	119	89	53
2.2	3	34		255	231	221	201	170	122	92	54
2.2	3	35		263	238	228	207	175	126	95	56
3.7	5	50		375	340	325	295	250	180	135	80





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SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

MSP4RFE

Radial Flow

Hydraulic : M-O6 (24 Feet Head Per Stage)

Dia. : 98 mm | Dia. : 90 mm

MODEL	HP	STAGE	OUTLET	LPM	55	50	45	40	35	30	25	15
M06-1014	1.0	14	1.25"	Head in Meters	28	42	49	56	70	77	84	94
M06-1517	1.5	17	1.25"		34	51	60	68	85	94	102	114
M06-1520	1.5	20	1.25"		40	60	70	80	100	110	120	134
M06-2024	2.0	24	1.25"		48	72	84	96	120	132	144	161
M06-2026	2.0	26	1.25"		52	78	91	104	130	143	156	174
M06-2028	2.0	28	1.25"		56	84	98	112	140	154	168	188
M06-3030	3.0	30	1.25"		60	90	105	120	150	165	180	201
M06-3035	3.0	35	1.25"		70	105	123	140	175	193	210	235
M06-3040	3.0	40	1.25"		80	120	140	160	200	220	240	268
M06-5050	5.0	50	1.25"		100	150	175	200	250	275	300	335





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TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

MSP4RFE

Radial Flow

Hydraulic : M-O7 (28 Feet Head Per Stage)

Dia. : 98 mm | Dia. : 90 mm

MODEL	HP	STAGE	OUTLET	LPM	75	65	55	45	40	35	25	15	0
M06-1011	1.0	11	1.5"	Head in Meters	33	47	60	67	74	77	84	91	96
M06-1516	1.5	16	1.25"		49	68	88	97	107	112	122	132	139
M06-2020	2.0	20	1.25"		61	85	110	122	134	140	152	165	174
M06-2022	2.0	22	1.25"		67	94	121	134	147	154	168	182	191
M06-3028	3.0	28	1.25"		85	119	153	177	188	196	213	231	243
M06-3030	3.0	30	1.25"		91	128	164	183	201	210	229	248	261
M06-3032	3.0	32	1.25"		97	136	175	195	214	224	244	264	278
M06-4035	4.0	35	1.25"		106	149	192	213	235	245	267	289	304
M06-5040	5.0	40	1.25"		122	170	219	244	268	280	305	330	348
M06-5045	5.0	45	1.25"		137	192	247	274	302	315	343	371	391
M06-6550	6.5	50	1.25"		152	213	274	305	335	350	381	413	434
M06-7560	7.5	60	1.25"		182	256	329	365	402	420	457	495	521





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SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

MSP4RFE

Radial Flow

Hydraulic : M-O8 (28 Feet Head Per Stage)

Dia. : 98 mm | Dia. : 90 mm

MODEL	HP	STAGE	OUTLET	LPM	90	80	70	65	60	55	40	20
M06-1008	1.0	8	1.5"	Head in Meters	24	32	40	44	48	52	60	61
M06-1510	1.5	10	1.5"		30	40	50	55	60	65	75	76
M06-1512	1.5	12	1.5"		36	48	60	66	72	78	90	92
M06-2014	2.0	14	1.5"		42	56	70	77	84	91	105	107
M06-2016	2.0	16	1.5"		48	64	80	88	96	104	120	122
M06-3021	3.0	21	1.5"		63	84	105	116	126	137	158	160
M06-3022	3.0	22	1.5"		66	88	110	121	132	143	165	168
M06-4025	4.0	25	1.5"		75	100	125	138	150	163	188	191
M06-4028	4.0	28	1.5"		84	112	140	154	168	182	210	214
M06-5036	5.0	36	1.5"		108	144	180	198	216	234	270	275
M06-6540	6.5	40	1.5"		120	160	200	220	240	260	300	306
M06-7548	7.5	48	1.5"		144	192	240	264	288	312	360	367





SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

Stainless Steel Pumpset

MODEL	MOTOR RATING		PERFORMANCE TABLE MSP-3											
	KW	HP	Qm³/h	0	1	1.4	1.8	2	2.4	2.8	4	5	8	HEIGHT
			lpm	0	16.7	23.4	30.1	33.4	40.1	46.8	56.8	66.8	73.5	L(mm)
MSP-3/6	0.37	0.5	Head in Meters	38	35	34	32	31	30	27	22	15	10	281
MSP-3/9	0.55	0.75		57	54	51	49	47	45	41	33	23	15	344
MSP-3/12	0.75	1.0		76	70	68	65	64	60	55	45	31	20	407
MSP-3/15	1.1	1.5		95	87	85	82	80	76	70	57	40	27	470
MSP-3/18	1.1	1.5		113	105	101	97	95	89	82	67	46	30	533
MSP-3/22	1.5	2.0		139	129	125	120	117	110	101	83	57	37	617
MSP-3/25	1.5	2.0		157	145	140	135	131	124	113	92	63	41	680
MSP-3/29	2.2	3.0		184	171	166	159	156	147	136	111	78	52	729
MSP-3/33	2.2	3.0		209	194	187	180	176	166	152	125	87	58	827
MSP-3/39	3.0	4.0		246	230	223	216	212	201	188	160	120	89	974
MSP-3/45	3.0	4.0		283	264	255	247	242	229	214	181	135	99	1107
MSP-3/52	4.0	5.5		328	308	298	289	283	269	251	214	161	120	1303
MSP-3/60	4.0	5.5		377	350	341	330	323	307	286	242	182	135	1527

MODEL	MOTOR RATING		PERFORMANCE TABLE MSP-5														
	KW	HP	Qm³/h	0	1	1.4	1.8	2	2.4	2.8	3.4	4	4.4	5	6	6.8	HEIGHT
			lpm	0	16.7	23.4	30.1	33.4	40.1	46.8	56.8	66.8	73.5	83.5	100.2	113.3	L(mm)
MSP-5/4	0.37	0.5	Head in Meters	26	24	23	23	22	22	21	20	19	18	16	11	9	239
MSP-5/6	0.55	0.75		38	36	35	34	33	33	32	30	28	26	24	17	11	281
MSP-5/8	0.75	1.0		51	48	47	46	45	44	43	40	38	36	32	23	15	323
MSP-5/12	1.1	1.5		77	72	70	68	67	65	63	60	56	54	47	35	21	407
MSP-5/17	1.5	2.0		109	100	97	96	94	92	90	85	80	75	67	49	30	512
MSP-5/21	2.2	3.0		135	126	122	120	118	115	112	106	100	95	85	63	39	595
MSP-5/25	2.2	3.0		160	150	145	141	139	135	131	125	118	112	99	72	45	680
MSP-5/33	3.0	4.0		211	195	190	186	183	179	173	166	155	148	130	95	59	848
MSP-5/38	4.0	5.5		250	233	229	221	219	215	209	199	186	177	157	115	72	953
MSP-5/44	4.0	5.5		281	260	257	250	245	240	232	220	207	195	174	127	79	1079
MSP-5/52	5.5	7.5		334	310	302	296	293	285	280	267	249	238	210	155	98	1247
MSP-5/60	5.5	7.5		384	360	345	339	335	325	319	303	283	269	238	175	108	1440
MSP-5/75	7.5	10.0		480	450	431	424	418	405	397	379	353	337	300	212	138	1760
MSP-5/85	7.5	10.0		544	510	488	480	473	459	450	430	400	382	340	240	150	2369





SUBMERSIBLE PUMP SET (Suitable for 100mm 4" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

4MSP

Water Filled - Radial Flow

Stainless Steel only Pump

4MSP4

MODEL	P2		DELIVERY (n-2850 1/min)							
STAGE	KW	HP	Qm ³ /h	0	2.4	3	3.6	4.5	5.4	6
			lpm	0	40	50	60	75	90	100
4JSP4-5A	0.37	0.5	Head in Meters	30	27	25	22	20	17	15
4JSP4-7A	0.55	0.75		42	38	35	31	28	24	21
4JSP4-10A	0.75	1		60	55	50	45	40	35	30
4JSP4-15A	1.1	1.5		90	80	75	68	60	50	45
4JSP4-20A	1.5	2		120	110	100	90	80	70	60
4JSP4-25A	2.2	3		150	137	125	112	100	87	75
4JSP4-40A	3.7	5		240	220	200	180	160	140	120
4JSP4-50A	4	5.5		300	275	250	225	200	175	150
4JSP4-60A	5.5	7.5		360	330	300	270	240	210	180

4MSP5

MODEL	P2		DELIVERY (n-2850 1/min)													
STAGE	KW	HP	Qm³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	
			lpm	0	10	20	30	40	50	60	70	80	90	100	110	
4JSP5-4A	0.37	0.5	Head in Meters	26	25	24	23	22	21	20	19	17	14	11	8	
4JSP5-6A	0.55	0.75		38	36	35	34	33	32	30	28	25	21	17	12	
4JSP5-8A	0.75	1		51	49	47	45	44	42	40	37	33	28	23	17	
4JSP5-12A	1.1	1.5		76	73	71	68	66	63	59	55	50	43	35	25	
4JSP5-17A	1.5	2		109	104	100	96	93	89	84	78	71	61	50	35	
4JSP5-22A	2.2	3		141	135	129	124	120	115	109	101	92	79	64	46	
4JSP5-25A	2.2	3		160	153	147	141	136	130	124	115	104	90	73	52	
4JSP5-33A	3	4		211	202	194	187	180	172	163	152	137	118	96	69	
4JSP5-40A	3.7	5		256	245	235	226	218	209	198	184	167	144	117	83	
4JSP5-44A	4	5.5		281	269	259	249	240	230	218	202	183	158	128	92	
4JSP5-55A	5.5	7.5		351	337	324	312	300	287	272	253	229	198	160	115	
4JSP5-60A	5.5	7.5		383	367	353	340	327	313	297	276	250	216	175	125	





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4MSP

Water Filled - Radial Flow

Stainless Steel only Pump

4MSP7

MODEL	P2		DELIVERY (n-2850 1/min)							
STAGE	KW	HP	Qm ³ /h	0	3.6	4.5	6.3	7.2	8.1	8.6
			lpm	0	60	75	105	120	135	144
4JSP7-5A	0.55	0.75	Head in Meters	30	27	25	22	20	17	15
4JSP7-6A	0.75	1		36	33	30	27	24	21	18
4JSP7-9A	1.1	1.5		54	49	45	40	36	31	27
4JSP7-12A	1.5	2		72	66	60	54	48	42	36
4JSP7-16A	2.2	3		96	88	80	72	64	56	48
4JSP7-25A	4.75	5		150	137	125	112	100	87	75
4JSP7-35A	5.5	7.5		210	192	175	157	140	122	105

4MSP8

MODEL	P2		DELIVERY (n-2850 1/min)							
STAGE	KW	HP	Qm ³ /h	0	1.8	3.6	5.4	7.2	9	10.8
			lpm	0	30	60	90	120	150	180
4JSP8-5A	0.75	1	Head in Meters	30	28	26	24	21	17	12
4JSP8-7A	1.1	1.5		42	39	36	33	29	24	17
4JSP8-10A	1.5	2		60	56	52	47	42	35	24
4JSP8-14A	2.2	3		84	78	72	66	59	49	34
4JSP8-18A	3	4		108	100	93	85	76	63	44
4JSP8-21A	3.7	5		126	117	108	99	89	73	51
4JSP8-24A	4	5.5		145	134	124	114	102	84	58
4JSP8-30A	5.5	7.5		181	168	155	142	127	105	73
4JSP8-33A	5.5	7.5		199	185	170	156	139	115	80
4JSP8-40A	7.5	10		240	224	206	189	169	140	97
4JSP8-44A	7.5	10		265	246	227	208	186	154	107





SUBMERSIBLE PUMP SET (Suitable for 125mm 5" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 7.5 HP, 50Hz AC Supply

MSP5RF

Radial Flow

MSP5RF30

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
KW	HP		m³/h	0	3.6	4.2	5.4	6	8.4	10.5	11.4
			lps	0	1	1.2	1.5	1.7	2.3	2.9	3.2
			lpm	0	60	70	90	100	140	175	190
5.5	7.5	24	Head in Meters	216	192	187	175	168	134	96	72
5.5	7.5	25		225	200	195	183	175	140	100	75
7.5	10	30		270	240	234	219	210	168	120	90
9.3	12.5	35		315	280	273	256	245	196	140	105
11	15	40		360	320	312	292	280	224	160	120
11	15	45		405	360	351	329	315	252	180	135

MSP5RF40

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
KW	HP		m³/h	0	4.2	5.1	6	7.2	7.8	8.4	9.6
			lps	0	1.2	1.4	1.7	2	2.2	2.3	2.7
			lpm	0	70	85	100	120	130	140	160
5.5	7.5	20	Head in Meters	194	186	180	174	160	150	140	120
7.5	10	25		243	233	225	218	200	188	175	150
9.3	12.5	30		291	279	270	261	240	225	210	180
11	15	35		340	326	315	305	280	263	245	210
11	15	40		388	372	360	348	320	300	280	240





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TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 125mm 5" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 7.5 HP, 50Hz AC Supply

MSP5RF

Radial Flow

MSP5RF50

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		5.4	7.5	8.4	9.6	10.8	12.3	13.8		
KW	HP		lps	0	1.5	2.1	2.3	2.7	3	3.4	3.8
			lpm	0	90	125	140	160	180	205	230
3.7	5	10	Head in Meters	100	97	92	88	80	69	52	30
4.5	6	12		120	116	110	106	96	83	62	36
5.5	7.5	14		140	136	129	123	112	97	73	42
5.5	7.5	15		150	146	138	132	120	104	78	45
7.5	10	20		200	194	184	176	160	138	104	60
9.3	12.5	25		250	243	230	220	200	173	130	75
11	15	30		300	291	276	264	240	207	156	90

MSP5RF60

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		5.4	7.8	10.2	12.6	14.1	15	16.2		
KW	HP		lps	0	1.5	2.2	2.8	3.5	3.9	4.2	4.5
			lpm	0	90	130	170	210	235	250	270
3	4	6	Head in Meters	63	59	56	53	48	39	31	18
3	4	7		74	69	66	62	56	46	36	21
3.7	5	8		84	78	75	71	64	52	42	24
4.5	6	10		105	98	94	89	80	65	52	30
5.5	7.5	12		126	118	113	107	96	78	62	36
7.5	10	15		158	147	141	134	120	98	78	45
7.5	10	16		168	157	150	142	128	104	83	48
9.3	12.5	20		210	196	188	178	160	130	104	60
11	15	25		263	245	235	223	200	163	130	75





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 125mm 5" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 7.5 HP, 50Hz AC Supply

MSP5RF

Radial Flow

MSP5RF75

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		10.8	12.3	14.1	15.9	16.8	18	19.2		
KW	HP		lps	0	3	3.4	3.9	4.4	4.7	5	5.3
			lpm	0	180	205	235	265	280	300	320
3.7	5	6	Head in Meters	66	56	54	52	48	44	37	27
3.7	5	7		77	65	63	60	56	52	43	32
4.5	6	8		88	74	72	69	64	59	49	36
5.5	7.5	10		110	93	90	86	80	74	61	45
7.5	10	12		132	112	108	103	96	89	73	54
7.5	10	14		154	130	126	120	112	104	85	63
9.3	12.5	16		176	149	144	138	128	118	98	72
9.3	12.5	18		198	167	162	155	144	133	110	81
11	15	20		220	186	180	172	160	148	122	90

MSP5RF100

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
KW	HP		m³/h	0	12.6	15	18	20.4	21.6	22.5	23.4
			lps	0	3.5	4.2	5	5.7	6	6.3	6.5
			lpm	0	210	250	300	340	360	375	390
3	4	4	Head in Meters	44	38	37	34	32	29	26	22
3.7	5	5		55	48	46	43	40	37	33	28
4.5	6	6		66	58	55	52	48	44	39	33
5.5	7.5	7		77	67	64	60	56	51	46	39
5.5	7.5	8		88	77	74	69	64	58	52	44
7.5	10	9		99	86	83	77	72	66	59	50
7.5	10	10		110	96	92	86	80	73	65	55
9.3	12.5	11		121	106	101	95	88	80	72	61
9.3	12.5	12		132	115	110	103	96	88	78	66
9.3	12.5	13		143	125	120	112	104	95	85	72
11	15	15		165	144	138	129	120	110	98	83





SUBMERSIBLE PUMP SET (Suitable for 125mm **V5" to V4"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) 50Hz AC Supply

Stainless Steel Pumpset

MSKW-3A/3H/3H+

Outlet Size 32mm				n=2900 rpm						
PUMP TYPE	STAGE	HP	KW	Head in Meters	Discharge in LPM					
					0	13	27	40	53	73
MSKW-3A	33	3	2.0		209	197	184	166	135	57
MSKW-3H/3H+	52	5	3.7		328	310	294	269	227	120
MSKW-3H/3H+	60	5	3.7		378	357	336	306	258	134
MSKW-3H/3H+	75	7.5	5.5		434	408	378	343	291	162

MSKW-5H/5H+

Outlet Size 38mm				n=2900 rpm						
PUMP TYPE	STAGE	HP	KW	Head in Meters	Discharge in LPM					
					0	13	40	67	93	113
MSKW-5H/5H+	38	5	3.7		250	236	213	186	134	72
MSKW-5H/5H+	44	5	3.7		281	265	239	207	148	80
MSKW-5H/5H+	52	6	4.5		333	315	285	249	179	100
MSKW-5H/5H+	60	7.5	5.5		384	365	326	283	202	110
MSKW-5H/5H+	75	10	7.5		480	453	409	355	254	137





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6RF

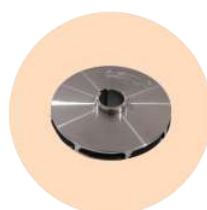
Radial Flow

MSP6RF30

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		3.96	5.76	6.84	7.92	10.8	12.6	14.04		
KW	HP		lps	0	1.1	1.6	1.9	2.2	3	3.5	3.9
			lpm	0	66	96	114	132	180	210	234
3.7	5	16	Head in Meters	140	125	114	106	96	72	54	40
4.5	6	20		175	156	142	132	120	90	68	50
5.5	7.5	24		219	195	178	165	150	113	85	63
5.5	7.5	28		245	218	199	185	168	126	95	70
7.5	10	30		263	234	213	198	180	135	102	75
9.3	12.5	34		306	273	249	231	210	158	119	88
9.3	12.5	38		341	304	277	257	234	176	133	98
9.3	12.5	40		350	312	284	264	240	180	136	100

MSP6RF40

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		4.5	5.1	5.7	7.2	8.1	9	10.8		
KW	HP		lps	0	0.9	1.5	2	2.5	3.3	3.7	4
			lpm	0	54	90	120	150	198	222	240
3.7	5	12	Head in Meters	127	114	103	92	84	63	51	42
3.7	5	14		148	133	120	108	98	74	60	49
4.5	6	14		159	143	129	116	105	79	64	53
5.5	7.5	20		212	190	172	154	140	105	85	70
7.5	10	24		265	238	215	193	175	131	106	88
9.3	12.5	30		318	285	258	231	210	158	128	105
11	15	34		371	333	301	270	245	184	149	123





SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6RF

Radial Flow

MSP6RF50

Motor Rating		STAGE	Outlet Size 50mm (2")					50Hz			
			Discharge								
m³/h	0		5.1	6.6	7.8	9	10.5	12.6	13.5		
KW	HP		lps	0	1.4	1.8	2.2	2.5	2.9	3.5	3.8
			lpm	0	85	110	130	150	175	210	225
3.7	5	10	Head in Meters	110	102	96	92	87	81	72	68
4.5	6	12		132	122	115	110	104	97	86	82
5.5	7.5	14		154	143	134	129	122	113	101	95
5.5	7.5	15		165	153	144	138	131	122	108	102
5.5	7.5	16		176	163	154	147	139	130	115	109
7.5	10	18		198	184	173	166	157	146	130	122
7.5	10	20		220	204	192	184	174	162	144	136
9.3	12.5	24		275	255	240	230	218	203	180	170
11	15	30		330	306	288	278	261	243	216	204
13	17.5	34		385	357	336	322	305	284	252	238
15	20	38		418	388	365	350	331	308	274	258
15	20	40		440	408	384	368	348	324	288	272

MSP6RF60

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		5.4	7.8	9.6	11.4	13.2	14.4	15.6		
KW	HP		lps	0	1.5	2.2	2.7	3.2	3.7	4	4.3
			lpm	0	90	130	160	190	220	240	260
		Head in Meters		88	86	81	75	70	60	52	44
	110		108	101	94	87	75	65	55		
	132		130	121	113	104	90	78	66		
	165		162	152	141	131	113	98	83		
	176		173	162	150	139	120	104	88		
	220		216	202	188	174	150	130	110		
	275		270	253	235	216	188	163	138		
	308		302	283	263	244	210	182	154		
	330		324	303	282	261	225	195	165		
	352		346	323	301	278	240	208	176		
	385		378	354	329	305	263	228	193		
	418		410	384	357	331	285	247	209		





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

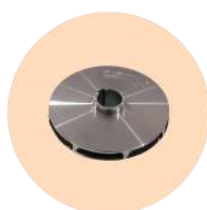
Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6RF

Radial Flow

MSP6RF75

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		10.8	12.6	13.8	14.4	15.6	16.2	17.1		
KW	HP		lps	0	3	3.5	3.8	4	4.3	4.5	4.8
			lpm	0	180	210	230	240	260	270	285
		3.7	5	6	Head in Meters	66	58	55	54	52	50
4.5	6	8	88	77		74	72	70	67	66	61
5.5	7.5	10	110	96		92	90	87	84	82	76
7.5	10	12	132	115		110	108	104	101	98	91
7.5	10	14	154	134		129	126	122	118	115	106
9.3	12.5	16	176	154		147	144	139	134	131	122
9.3	12.5	18	198	173		166	162	157	151	148	137
11	15	20	220	192		184	180	174	168	164	152
13	17.5	24	264	230		221	216	209	202	197	182
15	20	26	286	250		239	234	226	218	213	198





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6RF

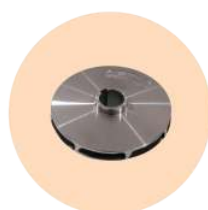
Radial Flow

MSP6RF100

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		14.7	15.9	17.7	19.2	21	22.2	23.7		
KW	HP		lps	0	4.1	4.4	4.9	5.3	5.8	6.2	6.6
			lpm	0	245	265	295	320	350	370	395
3.7	5	5	Head in Meters	63	53	50	48	44	40	38	33
4.5	6	6		75	63	60	57	52	48	45	39
5.5	7.5	8		100	84	80	76	70	64	60	52
7.5	10	10		125	105	100	95	87	80	75	65
9.3	12.5	12		150	126	120	114	104	96	90	78
11	15	15		188	158	150	143	131	120	113	98
13	17.5	18		225	189	180	171	157	144	135	117
15	20	20		250	210	200	190	174	160	150	130

MSP6RF125

Motor Rating		STAGE	Outlet Size 50mm (2")				50Hz				
			Discharge								
m³/h	0		18.3	20.4	21.9	24.3	25.5	26.7	27.9		
KW	HP		lps	0	5.1	5.7	6.1	6.75	7.1	7.4	7.8
			lpm	0	305	340	365	405	425	445	465
3	4	3	Head in Meters	38	31	29	28	26	24	23	20
3.7	5	4		50	41	39	38	35	33	30	27
4.5	6	5		63	51	49	47	44	41	38	34
5.5	7.5	6		75	62	59	56	52	49	45	40
7.5	10	8		100	82	78	75	70	65	60	54
9.3	12.5	10		125	103	98	94	87	81	75	67
11	15	12		150	123	117	113	104	98	90	80
13	17.5	14		175	144	137	131	122	114	105	94
15	20	16		200	164	156	150	139	130	120	107





SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6MF

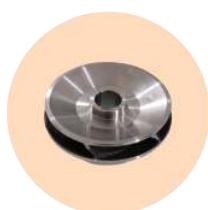
Mixed Flow

MSP6MF10

Motor Rating		STAGE	Outlet Size 65mm (2.5")				50Hz				
			Discharge								
KW	HP		m³/h	0	9.6	14.7	22.2	25.8	28.5	30.6	33
			lps	0	2.67	4.08	6.17	7.17	7.92	8.50	9.17
			lpm	0	160	245	370	430	475	510	550
3	4	4	Head in Meters	42	37	35	33	31	29	28	27
3.7	5	5		53	46	44	41	39	37	36	34
4.5	6	6		63	55	53	49	47	44	43	40
5.5	7.5	8		84	74	70	66	62	58	57	54
7.5	10	10		105	92	88	82	78	73	71	67
9.3	12.5	12		126	110	106	98	94	88	85	80
11	15	15		158	138	132	123	117	110	107	101
13	17.5	18		189	166	158	148	140	131	128	121
15	20	20		210	184	176	164	156	146	142	134

MSP6MF12

Motor Rating		STAGE	Outlet Size 65mm (2.5")				50Hz				
			Discharge								
m³/h	0		19.8	26.4	28.8	31.2	34.8	37.2	40.8		
KW	HP		lps	0	5.5	7.33	8	8.67	9.67	10.33	11.33
			lpm	0	330	440	480	520	580	620	680
		3.7	5	4	Head in Meters	50	37	34	33	31	29
4.5	6	5	63	46		43	41	39	37	35	32
5.5	7.5	6	75	55		52	49	47	44	42	38
7.5	10	8	100	74		69	66	62	58	56	50
9.3	12.5	10	125	92		86	82	78	73	70	63
11	15	12	150	110		103	98	94	88	84	76
13	17.5	14	175	129		120	115	109	102	98	88
15	20	16	200	147		138	131	125	117	112	101
16.7	22.5	18	225	166		155	148	140	131	126	113
18.5	25	20	250	184		172	164	156	146	140	126





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6MF

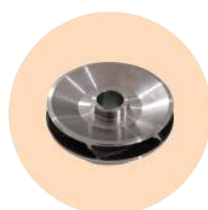
Mixed Flow

MSP6MF15

Motor Rating		STAGE	Outlet Size 75mm (3")				50Hz				
			Discharge								
m³/h	0		24.6	31.8	36	38.4	40.2	42.6	45		
KW	HP		lps	0	6.8	8.8	10	10.7	11.2	11.8	12.5
			lpm	0	410	530	600	640	670	710	750
3.7	5	3	Head in Meters	38	29	27	25	23	22	20	19
4.5	6	4		50	38	36	33	31	30	27	25
5.5	7.5	5		63	48	45	41	39	37	34	32
7.5	10	7		88	67	62	57	55	52	48	44
9.3	12.5	8		100	76	71	66	62	59	54	50
11	15	10		125	95	89	82	78.8	74	68	63
13	17.5	12		150	114	107	98	94	89	82	76
15	20	14		175	133	125	115	109	104	95	88

MSP6MF18

Motor Rating		STAGE	Outlet Size 75mm (3")					50Hz			
			Discharge								
m³/h	0		22.8	33.6	42	45	48.6	51.9	55.2		
KW	HP		lps	0	6.3	9.3	11.7	12.5	13.5	14.4	15.3
			lpm	0	380	560	700	750	810	865	920
3.7	5	3	Head in Meters	39	31	28	25	23	21	19	17
5.5	7.5	4		52	42	38	34	31	28	25	23
7.5	10	6		78	62	56	50	47	42	38	34
9.3	12.5	7		91	73	66	59	55	49	44	40
11	15	8		104	83	75	67	62	56	51	45
11	15	9		117	94	85	76	70	63	57	51
13	17.5	10		130	104	94	84	78	70	63	57
15	20	12		156	125	113	101	94	84	76	68





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 150mm 6" Bore Well)

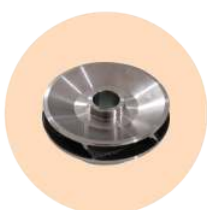
Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP6MF

Mixed Flow

MSP6MF20

Motor Rating		STAGE	Outlet Size 75mm (3")				50Hz				
			Discharge								
m³/h	0		17.4	27.6	37.2	50.4	54.3	56.4	60		
KW	HP		lps	0	4.83	7.67	10.33	14	15.1	15.67	16.67
			lpm	0	290	460	620	840	905	940	1000
4.5	6	3	Head in Meters	35	32	31	28	23	21	20	17
5.5	7.5	4		46	43	41	37	31	28	27	22
7.5	10	5		58	54	51	46	39	36	34	28
9.3	12.5	6		69	65	61	55	47	43	40	33
11	15	7		81	76	71	64	55	50	47	39
11	15	8		92	86	82	74	62	57	54	44
13	17.5	9		104	97	92	83	70	64	60	50
15	20	10		115	108	102	92	78	71	67	55





SUBMERSIBLE PUMP SET (Suitable for 200mm 8" Bore Well) (Motor 6" & Pump 7")

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP7MF

Mixed Flow

MSP7MF25

Motor Rating		STAGE	Outlet Size 100mm (4")				50Hz				
			Discharge								
m³/h	0		24.6	30	36.3	46.8	52.8	55.2	63.6		
KW	HP		lps	0	6.8	8.3	10.1	13	14.7	15.3	17.7
			lpm	0	410	500	605	780	880	920	1060
3.7	5	2	Head in Meters	34	28	27	25	22	20	19	16
5.5	7.5	3		51	43	41	38	33	30	29	24
7.5	10	4		68	57	54	50	44	40	38	32
9.3	12.5	5		85	71	68	63	55	50	48	40
11	15	6		102	85	81	75	66	60	57	48
13	17.5	7		119	99	95	88	77	70	67	56
15	20	8		136	114	108	100	88	80	76	64
18.5	25	10		170	142	135	125	110	100	95	80

MSP7MF30

Motor Rating		STAGE	Outlet Size 100mm (4")				50Hz				
			Discharge								
m³/h	0		34.8	45.9	51	57.6	61.8	66	72		
KW	HP		lps	0	9.67	12.75	14.17	16	17.17	18.33	20
			lpm	0	580	765	850	960	1030	1100	1200
4.5	6	2	Head in Meters	36	28	25	24	22	20	19	16
7.5	10	3		55	42	38	36	33	31	28	24
9.3	12.5	4		73	56	51	48	44	41	38	32
11	15	5		91	70	64	60	55	51	47	40
13	17.5	6		109	84	76	72	66	61	56	48
15	20	7		127	98	89	84	77	71	66	56
18.5	25	8		146	112	102	96	88	82	75	64

MSP7MF40

Motor Rating		STAGE	Outlet Size 100mm (4")				50Hz				
			Discharge								
KW	HP		m³/h	0	13.8	28.8	39	49.2	72	85.8	91.2
			lps	0	3.83	8	10.83	13.67	20	23.8	25.3
			lpm	0	230	480	650	820	1200	1430	1520
5.5	7.5	2	Head in Meters	40	38	34	31	28	22	18	16
9.3	12.5	3		60	57	51	46	42	33	27	24
11	15	4		80	76	68	62	56	44	36	32
15	20	5		100	95	85	77	70	55	45	40
18.5	25	6		120	114	102	92	84	66	54	48





Smart Pumping Solution

TURBO SERIES

SUBMERSIBLE PUMP SET (Suitable for 200mm 8" Bore Well) (Motor 6" & Pump 7")

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10 HP, 50Hz AC Supply

MSP7MF

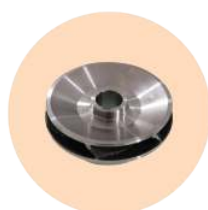
Mixed Flow

MSP7MF50

Motor Rating		STAGE	Outlet Size 100mm (4")				50Hz				
			Discharge								
m³/h	0		31.8	46.8	61.2	70.2	86.4	93	96		
KW	HP		lps	0	8.83	13	17	19.6	24	25.8	26.7
			lpm	0	530	780	1020	1170	1440	1550	1600
		44	37	34	31	28	22	18	16		
11	15	3	66	56	51	46	42	33	27	24	
15	20	4	88	74	68	62	56	44	36	32	
18.5	25	5	110	93	85	77	70	55	45	40	

MSP7MF60

Motor Rating		STAGE	Outlet Size 100mm (4")					50Hz			
			Discharge								
KW	HP		m³/h	0	25.2	42.6	58.8	75	90	105.6	111.6
			lps	0	7	11.8	16.3	20.8	25	29.3	31
			lpm	0	420	710	980	1250	1500	1760	1860
9.3	12.5	2	Head in Meters	46	40	36	33	30	26	20	18
13	17.5	3		69	60	54	50	45	39	30	27
18.5	25	4		92	80	72	66	60	52	40	36



V7 - MINI - OPENWELL SUBMERSIBLE PUMPSET (S.P./D.P./T.P.)

HP	SIZE (INCH)	HEAD (M)	8	10	12	14	16	18	20	22	24	26	28	30
0.50	1 X 1	DISCHARGE (LPM)	175	150	130	105	65	30	-	-	-	-	-	-
1.00	1 X 1		310	285	250	225	180	150	105	80	-	-	-	-
2.00	2 X 2		630	615	575	520	435	380	305	210	150	110	-	-
3.00	2 X 2		675	650	610	575	540	500	450	380	300	200	150	100
5.00	2 X 2		855	820	775	740	675	640	600	510	420	340	290	210
5.00	V-9		900	875	840	810	780	750	720	690	650	600	550	450
6.00	V-9		980	950	920	980	860	830	800	770	700	650	600	500
7.50	V-9		1100	1075	1050	1000	975	950	925	900	850	800	750	700

**NXG SERIES
OPENWELL**





Smart Pumping Solution

AGRICULTURE HORIZONTAL OPENWELL PUMPS

APPROXIMATE PERFORMANCE DATA AT 2800 RPM, 380 VOLTS FOR THREE PHASE & 230 VOLTS FOR SINGLE PHASE, 50 Hz, A.C. SUPPLY



FEATURES

- Easy to install.
- Enhanced efficiency with all the advantages of mounting the prime move and pump integrally on the same shaft.
- The Openwell Submersible Pump can be placed at the bottom of the well.
- This arrangement does not require suction pipe.
- Dynamically Balanced rotor and impeller ensure vibration free performance and enhanced life.

APPLICATION

- Residential Bungalows & Hotels
- Storage Water Tanks • Small Farms
- Lawns & Gardens • Irrigation

PERFORMANCE DATA

Pump Model	HP	Model	Outlet Size	Phase	AGRICULTURE HORIZONTAL OPENWELL PUMPS																
					12	14	18	22	24	26	28	32	36	38	40	46	50	53	56	60	
MH72	2.0	V7 SS	65X65	S.P./T.P.	-	630	550	435	371	305	220	-	-	-	-	-	-	-	-	-	
MH73	3.0	V7 SS	65X50	S.P./T.P.	-	645	580	465	388	338	242	-	-	-	-	-	-	-	-	-	
MH75	5.0	V7 SS	65X50	S.P./T.P.	-	-	-	618	598	578	527	455	-	-	-	-	-	-	-	-	
MHS338	3.0	DLX	50X40	S.P./T.P.	-	365	350	325	305	285	260	195	115	65	-	-	-	-	-	-	
MHS330	3.0	DLX	65X50	S.P./T.P.	-	750	670	550	475	410	300	-	-	-	-	-	-	-	-	-	
MHS328	3.0	TOOFAN	65X50	S.P./T.P.	-	680	600	480	405	360	260	-	-	-	-	-	-	-	-	-	
MHS325	3.0	DLX	65X65	S.P./T.P.	850	785	700	530	460	350	-	-	-	-	-	-	-	-	-	-	
MHS323	3.0	TOOFAN	65X65	S.P./T.P.	780	720	630	475	425	-	-	-	-	-	-	-	-	-	-	-	
MHS320	3.0	DLX	80X80	S.P./T.P.	1220	1050	525	-	-	-	-	-	-	-	-	-	-	-	-	-	
MHS316	3.0	DLX	100X100	S.P./T.P.	1400	1140	700	-	-	-	-	-	-	-	-	-	-	-	-	-	
MHS548	5.0	DLX	50X40	S.P./T.P.	-	-	500	485	460	445	435	400	370	340	310	170	-	-	-	-	
MHS540	5.0	DLX	65X50	S.P./T.P.	-	-	-	720	700	675	625	540	415	340	-	-	-	-	-	-	
MHS538	5.0	TOOFAN	65X50	S.P./T.P.	-	-	-	640	615	600	550	475	350	-	-	-	-	-	-	-	
MHS531	5.0	DLX	65X65	S.P./T.P.	-	1080	1020	980	850	800	650	-	-	-	-	-	-	-	-	-	
MHS530	5.0	TOOFAN	65X65	S.P./T.P.	-	1000	950	900	770	720	570	-	-	-	-	-	-	-	-	-	
MHS528	5.0	DLX	80X80	S.P./T.P.	1650	1485	1260	1010	870	650	-	-	-	-	-	-	-	-	-	-	
MHS519	5.0	DLX	100X100	S.P./T.P.	1600	1450	1125	-	-	-	-	-	-	-	-	-	-	-	-	-	
MHS762	7.5	DLX	50X50	T.P.	-	-	-	615	600	585	575	560	535	520	505	475	420	375	340	215	
MHS750	7.5	DLX	65X50	T.P.	-	-	-	-	-	765	735	725	700	675	625	465	-	-	-	-	
MHS745	7.5	DLX	65X65	T.P.	-	-	-	1045	1020	975	940	855	750	705	640	-	-	-	-	-	
MHS734	7.5	DLX	80X80	T.P.	1865	1840	1625	1550	1420	1275	1100	565	-	-	-	-	-	-	-	-	
MHS725	7.5	DLX	100X100	T.P.	1905	1860	1520	1140	855	-	-	-	-	-	-	-	-	-	-	-	
MHS1060	10.0	DLX	65X50	T.P.	-	-	-	-	-	-	-	875	865	850	835	725	640	-	-	-	
MHS1038	10.0	DLX	80X80	T.P.	-	-	-	-	1850	1790	1700	1510	1200	1020	-	-	-	-	-	-	
MHS1030	10.0	DLX	100X100	T.P.	-	2055	1960	1645	1560	1330	1065	-	-	-	-	-	-	-	-	-	
MHS345	3.0	2 STAGE	65X50	S.P./T.P.	-	-	-	500	480	460	432	350	275	255	200	-	-	-	-	-	
MHS565	5.0	2 STAGE	65X50	S.P./T.P.	-	-	-	-	-	-	-	-	580	550	515	480	422	375	290	150	



Smart Pumping Solution

VERTICAL OPENWELL PUMPS

APPROXIMATE PERFORMANCE DATA AT 2800 RPM, 380 VOLTS FOR THREE PHASE & 230 VOLTS FOR SINGLE PHASE, 50 Hz, A.C. SUPPLY



FEATURES

- Easy to install.
- Enhanced efficiency with all the advantages of mounting the prime move and pump integrally on the same shaft.
- The Multistage Vertical Openwell Submersible Monoblock can be placed at the bottom of the well.
- This arrangement does not require suction pipe.
- Dynamically Balanced rotor and impeller ensure vibration free performance and enhanced life.

PERFORMANCE DATA

Pump Model	Stage	Outlet (mm)	Motor Rating		Discharge in LPM	Head in Meters																							
			HP	KW		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125		
MVS3002	2	65	3.0	2.2		600	510	405	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MVS5002	2	65	5.0	3.7		790	740	675	590	475	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MVS5003	3	65	5.0	3.7		-	-	570	530	490	435	370	290	170	-	-	-	-	-	-	-	-	-	-	-	-	-		
MVS7502	2	65	7.5	5.5		-	915	845	765	660	520	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MVS7503	3	65	7.5	5.5		-	-	790	750	700	650	590	530	440	350	190	-	-	-	-	-	-	-	-	-	-	-		
MVS7504	4	65	7.5	5.5		-	-	-	-	610	680	545	495	430	390	320	260	210	-	-	-	-	-	-	-	-	-		
MVS1003	3	65	10.0	7.5		-	-	-	875	825	760	705	640	555	485	365	-	-	-	-	-	-	-	-	-	-	-		
MVS1004	4	65	10.0	7.5		-	-	-	-	775	735	650	500	580	545	500	430	350	250	-	-	-	-	-	-	-	-		
MVS1005	5	65	10.0	7.5		-	-	-	-	605	575	540	560	460	430	400	370	335	295	245	195	90	-	-	-	-	-		
MVS1006	6	65	10.0	7.5		-	-	-	-	-	-	600	775	535	500	475	450	420	390	365	340	300	255	220	180	-	-		
MVS1254	4	65	12.5	9.3		-	-	-	-	-	665	825	745	725	690	650	600	545	480	390	280	-	-	-	-	-	-		
MVS1255	5	65	12.5	9.3		-	-	-	-	-	-	790	645	650	660	620	585	550	210	465	415	350	250	-	-	-	-		
MVS1256	6	65	12.5	9.3		-	-	-	-	-	-	-	880	625	795	575	550	620	490	460	430	380	335	270	220	80	-		
MVS1505	5	65	15.0	11.0		-	-	-	-	-	-	825	825	825	745	765	735	700	660	620	580	535	490	430	355	245	-		
MVS1506	6	65	15.0	11.0		-	-	-	-	-	-	-	-	775	-	710	680	650	615	585	550	520	480	440	395	345	270		



Smart Pumping Solution

TURBO SERIES MOTOR

MONTEK ENERGY EFFICIENT SUBMERSIBLE MOTORS

WATER FILLED MOTOR		
MODEL	HP	PRICE
MSM4 SP/TP	0.5	8330
	0.75	9335
	1	9735
	1.5	10650
	2	11660
	3	14390
	4	15110
	5	18370
	6	18660
	7.5	18915
MSM5 SP	4	21065
	5	22415
	6	22625
	7.5	24695
	10	26505
MSM5 TP	3	17100
	4	17810
	5	19166
	6	20320
	7.5	22180
	10	25655
	12.5	26940
	15	28810
MSM6 SP	4	24460
	5	25550
	6	27765
	7.5	30730
	10	32055

ONLY PUMP K-TYPE		
MODEL	STAGE	PRICE
MSP06	5	7952
	6	7952
	8	8714
	10	10036
	12	11255
	14	12577
	15	13211
	16	13847
	18	15677
	20	16795
	22	18116
	24	19336
	26	20555
	28	21775
	30	22995
	32	24214
	34	25434
	36	26654
	38	27874
	40	29093

ONLY KIT		
MODEL	HP	PRICE
MSK06	10	19747
	12	21202
	15	22477
	17	23576
	20	25916
	25	27322
	30	29828

ONLY KIT		
MODEL	HP	PRICE
MSK08	20	36836
	25	39413
	30	42204
	41	45381
	45	48339

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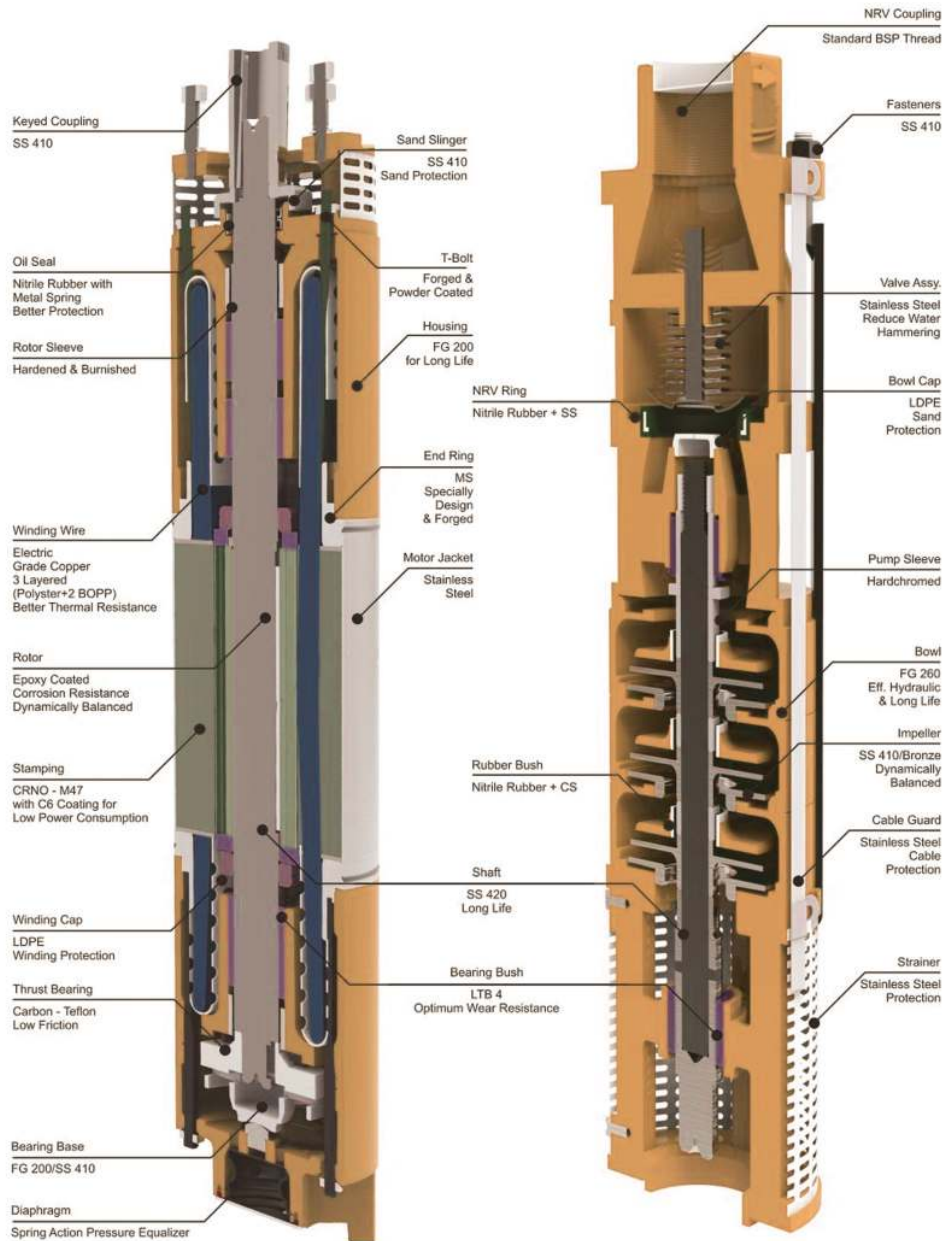


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ONLY MOTOR			
MODEL	HP	PRICE-SS	PRICE-2Pic.
MSM06	4	17753	-
	5	19360	-
	6	19843	-
	8	24207	25309
	10	28015	29119
	12	30268	31379
	15	-	34452
	17	-	37235
	20	-	41404
	25	-	44020
	30	-	46882



SUBMERSIBLE MOTOR & PUMP





SELECTION OF PUMPSET FOR SPRINKLER APPLICATION

Total Head Calculation

H1 : Actual Lowering of pumpset in water

H2 : Horizontal pipe line friction losses (1% of total length)

H3 : Vertical Height of slope (In case of slope only)

H4 : Pressure required in each sprinkler x No. of sprinkler (Avg. 1 meter per sprinkler)

Total Head $H = H1 + H2 + H3 + H4$

Discharge Calculation

Total Discharge = 30 LPM x No. of sprinkler

Example :

Actual Lowering (H1) = 175 ft. (53 mtr.)

Length of pipe line (distance from the last sprinkler) = 1500 ft. (455 mtr.) so the 1% friction

Loss (H2) = 5 mtr.

H3 = 0 (if no slope in line)

20 Nozzles are required so H4 = 20 mtr.

$H = 53 + 5 + 0 + 20 = 78$ mtr.

20 sprinkler are required so discharge required $Q = 30 \times 20 = 600$ LPM

Now Select the Pumpset from the performance table for 600 LPM at 78 mtr.

Calculation for H.P.

- $$\text{H.P.} = \frac{\text{Head (M)} \times \text{Discharge (LPM)}}{4500 \times \text{Pump eff.}}$$

Example :

Head = 78 M

Discharge = 400 LPM

Pump eff. = 68%

$\text{H.P.} = \frac{78 \times 400}{4500 \times 0.68}$

$= 10.19$

Calculation for Current

- $$\text{H.P.} = \frac{\sqrt{3} \times \text{Voltage} \times \text{Current} \times \text{Power Factor}}{746}$$

So that

$$\text{Current} = \frac{\text{H.P.} \times 746}{\sqrt{3} \times \text{Voltage} \times \text{Current} \times \text{Power Factor}}$$

Example :

H.P. = 10 Voltage = 415 Power Factor = 0.95 then

$$\text{Current} = \frac{10 \times 746}{\sqrt{3} \times 415 \times 0.95}$$

Current = 10.93 Ampere



MONTEK INDUSTRIESS LLP

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