



IS : 8034



CM/L-7553379

IS : 14220



CM/L-7865196

IS : 8472



CM/L- 3751262

PERFORMANCE LIST



New Technology with Quality Perfection





COMPANY PROFILE

DELITE PUMPS is twenty years old company engaged in the manufacturing product for every application of water need, using the latest state of art technology.

DELITE PUMPS is an ISO : 9001-2008 Certified Company has been one of trusted name of submersible pump sets for handling clear cold water for domestic, agriculture and industrial segment in India.

The company has covered its major market in the field of domestic and agriculture field.

QUALITY STANDARDS :

Our company is an ISO 9001-2008 Certified Company and 'DELITE' pumps are manufacture in accordance with IS 8034:2002 and IS 14220:1994 and IS 8472:1998 with confirming to relevant B.I.S standards.

We have good infrastructure production Capabilities, Service backup technical team is continuously engaged in Research & Development for improve efficiency, minimum maintenance, reduce running cost and easy installation etc.

DELITE PUMPS is known for superior quality.

QUALITY POLICY :

We make sure that our clients are satisfied with every aspect of our business and relationship by providing them quality in products, delivery, service and price.

SAILENT FEATURES :

Domestic, industries, sprinkles, fountain, bulding, agriculture, garden





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V3 (75 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 230V(S.P.), 50Hz AC Supply

DP3RF
Radial Flow
Water Filled



Model DP3RF2										Outlet Size - 25mm (1")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	0.9	1.3	1.6	1.9	2.2	2.5	2.8	
1	0.37	0.50	10	Head in Meter	45	40	34	30	27	25	20	15	
2	0.55	0.75	15		64	54	48	43	40	35	28	19	
3	0.75	1.00	18		78	74	66	60	55	46	36	25	
4	0.75	1.00	20		88	80	70	64	60	50	40	28	
5	1.10	1.50	25		108	100	87	79	75	68	50	35	

Model DP3RF4										Outlet Size - 25mm (1")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	1.2	1.5	2.2	2.7	2.4	3.1	3.9	
6	0.37	0.50	8	Head in Meter	36	30	28	24	20	18	16	10	
7	0.55	0.75	12		50	48	42	38	36	32	24	15	
8	0.75	1.00	15		70	64	56	48	40	35	30	20	
9	1.10	1.50	20		95	80	75	70	62	55	44	22	

Model DP3RF7										Outlet Size - 25mm (1")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	1.5	2.2	2.8	3.2	3.5	4.0	4.6	
10	0.37	0.50	6	Head in Meter	28	23	21	18	16	14	12	6	
11	0.55	0.75	8		38	32	28	25	22	20	16	8	
12	0.55	0.75	10		42	34	32	28	25	23	18	10	
13	0.75	1.00	10		45	38	36	32	28	26	21	14	
14	0.75	1.00	12		54	50	45	40	36	32	24	15	
15	1.10	1.50	12		60	55	50	45	40	36	30	20	
16	1.10	1.50	15		75	70	68	65	55	45	34	18	

Panel for V4 Submersible Pumpset - Single Phase - CH Type (230V)

HP	Starting Capacitor	Running Capacitor	
		HV	LV
0.5	100 - 120	25	36
0.75	100 - 120	25	36
1.0	120 - 150	36	45
1.5	150 - 200	36 + 25	36 + 36
2.0	200 - 250	36 + 36	36 + 50
3.0	200 - 250	36 + 45	36 + 36 + 36
5.0	200 - 250	50 + 50 + 50	72 + 50 + 50

Panel for Openwell Pumps (Domestic) Single Phase - MCB

HP	Starting Capacitor	Running Capacitor	
0.5	-	36	
1.0	-	50	
1.5	150 - 200	36 + 36	
2.0	200 - 250	36 + 45	
3.0	200 - 250	36 + 72	





V4 (100 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V(S.P.), 50Hz AC Supply

DP4RF

Radial Flow
Water Filled

Model DP4RF1										Outlet Size - 25mm (1")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	1.3	1.7	2.0	2.4	2.1	2.4	3.3	
1	0.37	0.50	10	Head in Meter	0	22	28	34	40	35	40	55	
2	0.55	0.75	11		55	45	41	36	30	25	16	4	
3	0.55	0.75	12		58	51	46	39	33	28	19	5	
4	0.75	1.00	13		63	55	51	45	36	30	21	6	
5	0.75	1.00	14		72	59	54	48	39	33	23	7	
6	0.75	1.00	15		76	63	58	51	42	35	25	7	
7	0.75	1.00	16		79	69	63	56	45	38	26	8	
8	0.75	1.00	17		85	74	68	60	48	40	28	8	
9	0.75	1.00	18		91	78	72	64	51	43	30	8	
10	0.75	1.00	19		97	83	76	67	54	45	31	9	
11	0.75	1.00	20		103	87	80	70	57	47	32	9	
12	1.10	1.50	21		109	91	84	73	60	49	33	10	
13	1.10	1.50	22		115	96	88	77	63	52	35	11	
14	1.10	1.50	23		120	101	92	81	66	55	37	11	
15	1.10	1.50	24		126	105	96	84	69	57	38	12	
16	1.10	1.50	25		131	109	100	87	72	59	39	12	
17	1.50	2.00	26		137	115	105	92	75	62	48	13	
18	1.50	2.00	27		142	119	109	96	78	65	51	13	
19	1.50	2.00	28		148	123	113	99	81	68	54	14	
20	1.50	2.00	29		154	129	118	104	84	71	57	14	
21	1.50	2.00	30		160	133	121	107	87	74	61	15	
22	2.20	3.00	35		166	138	126	111	90	77	64	16	
				214	176	160	121	105	96	74	18		

Model DP4RF2										Outlet Size - 25mm (1")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	1.2	2.1	2.7	3.3	3.9	4.2	4.5	
				lpm	0	20	35	45	55	65	70	75	
23	0.37	0.50	8	Head in Meter	44	40	37	35	24	24	11	4	
24	0.55	0.75	9		47	46	43	40	27	25	13	5	
25	0.55	0.75	10		51	51	47	44	30	27	14	5	
26	0.75	1.00	11		56	52	50	49	33	35	16	6	
27	0.75	1.00	12		60	56	51	46	36	38	18	7	
28	0.75	1.00	13		65	60	56	52	39	41	19	8	
29	0.75	1.00	14		71	67	62	54	42	44	20	9	
30	0.75	1.00	15		77	72	67	60	45	47	21	9	
31	1.10	1.50	16		82	76	71	64	48	51	23	10	
32	1.10	1.50	17		86	81	76	69	51	54	25	10	
33	1.10	1.50	18		92	86	81	72	54	58	27	10	
34	1.10	1.50	19		97	91	86	79	57	61	28	11	
35	1.10	1.50	20		107	103	90	88	60	65	29	11	
36	1.50	2.00	21		111	108	95	92	63	67	31	12	
37	1.50	2.00	22		116	112	101	96	66	70	33	12	
38	1.50	2.00	23		122	115	103	100	69	73	37	12	
39	1.50	2.00	24		127	119	108	104	72	77	40	13	
40	1.50	2.00	25		131	124	112	108	75	81	43	14	
41	2.20	3.00	30		210	175	158	140	90	89	49	18	



V4 (100 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V(S.P.), 50Hz AC Supply

DP4RF
Radial Flow
Water Filled



Model DP4RF4										Outlet Size - 32mm (1.25")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	1.2	2.4	3.6	4.5	5.4	6.0	7.2	
					0	20	40	60	75	90	100	120	
42	0.37	0.50	6	Head in Meter	36	33	30	26	18	20	14	3	
43	0.55	0.75	8		48	44	40	35	24	23	16	4	
44	0.75	1.00	9		54	48	45	38	27	26	18	4	
45	0.75	1.00	10		60	52	50	42	30	29	20	5	
46	1.10	1.50	11		66	57	54	47	33	35	22	6	
47	1.10	1.50	12		72	62	59	52	36	39	24	6	
48	1.10	1.50	13		78	67	64	56	39	43	26	7	
49	1.10	1.50	14		84	73	69	61	42	47	28	7	
50	1.10	1.50	15		90	78	74	65	45	49	30	8	
51	1.50	2.00	16		96	83	77	70	48	52	32	9	
52	1.50	2.00	17		102	88	84	74	51	56	34	9	
53	1.50	2.00	18		108	95	90	78	54	60	36	9	
54	1.50	2.00	19		114	104	95	82	57	65	38	10	
55	1.50	2.00	20		120	108	100	86	60	70	40	11	
56	2.20	3.00	21		126	116	106	91	63	74	42	12	
57	2.20	3.00	22		132	121	111	95	66	79	46	12	
58	2.20	3.00	23		138	125	116	99	69	83	48	13	
59	2.20	3.00	24		144	129	122	104	72	88	50	13	
60	2.20	3.00	25		150	133	126	106	75	92	52	14	
61	3.00	4.00	32		192	176	160	128	96	101	78	17	
62	3.70	5.00	35		216	198	180	144	105	108	89	19	

Model DP4RF5										Outlet Size - 38mm (1.5")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	2.4	3.6	4.8	6.0	7.2	8.4	10.2	
					0	40	60	80	100	120	140	170	
63	0.37	0.50	4	Head in Meter	25	22	21	19	17	12	10	3	
64	0.55	0.75	5		31	27	26	24	21	15	12	4	
65	0.55	0.75	6		36	34	32	28	25	18	14	4	
66	0.75	1.00	7		44	39	36	33	29	21	17	5	
67	0.75	1.00	8		51	44	42	36	33	24	19	6	
68	1.10	1.50	9		57	49	47	42	37	27	22	7	
69	1.10	1.50	10		63	55	52	47	42	30	24	8	
70	1.10	1.50	12		69	59	56	51	45	36	26	8	
71	1.50	2.00	11		72	63	59	54	47	33	27	9	
72	1.50	2.00	12		76	66	62	56	50	36	29	9	
73	1.50	2.00	13		82	72	67	61	54	39	32	10	
74	1.50	2.00	14		88	77	73	66	59	42	34	10	
75	1.50	2.00	15		95	84	77	71	62	45	36	11	
76	2.20	3.00	16		101	88	81	75	66	48	38	12	
77	2.20	3.00	17		106	95	85	79	70	51	40	13	
78	2.20	3.00	18		113	101	92	85	74	54	43	13	
79	2.20	3.00	19		118	106	95	89	79	57	45	15	
80	2.20	3.00	20		126	110	104	94	84	60	48	16	
81	3.00	4.00	25		158	140	128	118	103	75	60	18	
82	3.70	5.00	30		189	168	153	141	123	90	72	21	

*Available Outlet Size DP4RF4 & DP4RF5 - 38mm (1.5")



V4 (100 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V(S.P.), 50Hz AC Supply

DP4RF

Radial Flow
Water Filled

Model DP4RF7										Outlet Size - 38mm (1.5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	2.4	4.8	7.8	9.0	10.2	10.8	11.4	
				lpm	0	40	80	130	150	170	180	190	
83	0.37	0.50	3	Head in Meter	17	15	13	10	9	7	5	2	
84	0.55	0.75	4		22	20	18	15	12	8	6	2	
85	0.75	1.00	5		32	30	26	20	15	10	7	3	
86	0.75	1.00	6		39	36	31	24	18	12	9	3	
87	1.10	1.50	7		46	42	37	28	21	14	10	4	
88	1.10	1.50	8		52	48	42	32	24	16	12	5	
89	1.10	1.50	9		59	54	47	36	27	18	13	5	
90	1.50	2.00	10		65	60	52	40	30	20	15	6	
91	1.50	2.00	11		72	66	58	44	33	22	17	7	
92	1.50	2.00	12		77	72	63	48	36	24	18	8	
93	2.20	3.00	13		84	78	69	52	39	26	19	9	
94	2.20	3.00	14		91	84	74	56	42	28	20	10	
95	2.20	3.00	15		96	90	78	60	45	30	21	11	
96	2.20	3.00	16		102	96	89	64	47	32	22	12	
97	2.20	3.00	17		109	102	92	68	48	34	23	13	
98	2.20	3.00	18		117	108	97	72	51	38	24	14	
99	3.00	4.00	20		130	120	106	80	60	40	28	17	
100	3.70	5.00	25		160	150	130	100	75	50	35	20	

Model DP4RF10										Outlet Size - 50mm (2.0")				
Sr. No.	Motor Rating		Stage	Discharge										
	KW	HP		m3/h	0	5.4	7.2	9.0	9.9	11.1	11.7	13.8		
				lpm	0	90	120	150	165	185	195	230		
101	0.55	0.75	3	Head in Meter	18	15	13	11	9	7	6	4		
102	0.75	1.00	4		24	23	21	18	15	13	10	6		
103	0.75	1.00	5		30	29	27	22	15	16	13	7		
104	1.1	1.50	6		36	35	31	27	18	14	16	9		
105	1.1	1.50	7		42	41	37	30	21	16	19	10		
106	1.1	1.50	8		48	47	42	34	24	19	22	12		
107	1.5	2.00	9		55	53	47	38	27	21	24	13		
108	1.5	2.00	10		60	59	53	43	30	23	28	15		
109	2.2	3.00	11		66	65	58	48	33	25	30	16		
110	2.2	3.00	12		72	71	63	48	36	27	33	18		
111	3.3	4.00	15		90	75	65	60	45	34	30	22		
112	3.7	5.00	20		120	102	90	80	60	67	57	30		

Model DP4RF12										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	7.2	8.4	9.6	10.2	11.1	11.7	12.6	
				lpm	0	120	140	160	170	185	195	210	
113	0.75	1.00	4	Head in Meter	23	18	17	16	14	12	10	6	
114	1.1	1.50	7		38	30	28	25	23	21	14	8	
115	1.5	2.00	8		48	35	34	30	28	25	20	15	
116	2.2	3.00	12		74	55	50	48	44	38	32	25	
117	3.3	4.00	15		90	70	66	62	57	48	40	30	
118	3.7	5.00	20		120	94	89	85	75	66	55	42	



*Available Outlet Size DP4RF7 - 50mm (2")

V4 (100 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V(S.P.), 50Hz AC Supply

DP4RF
Radial Flow
Water Filled



Model DP4RF18										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	4.8	7.2	8.4	10.8	12.6	18.6	20.4	
119	0.75	1.00	3	Head in Meter	16	15	13	12	11	9	6	5	
120	0.75	1.00	4		21	19	17	15	14	12	8	6	
121	1.10	1.50	4		22	20	18	16	15	12	9	7	
122	1.10	1.50	5		26	24	22	20	17	15	10	8	
123	1.10	1.50	6		31	27	24	22	20	17	11	9	
124	1.50	2.00	6		32	28	26	24	21	18	12	10	
125	1.50	2.00	7		35	30	28	26	23	21	14	11	
126	2.20	3.00	7		36	32	30	28	25	21	15	12	
127	2.20	3.00	8		41	34	32	30	27	24	16	12	
128	2.20	3.00	9		45	40	38	34	30	27	18	13	
129	2.20	3.00	10		51	45	40	38	33	30	19	14	
130	3.00	4.00	10		52	48	43	40	35	30	20	15	
131	3.00	4.00	12		61	55	50	44	40	36	22	18	
132	3.70	5.00	12		64	58	54	48	42	36	24	20	
133	3.70	5.00	15		76	68	62	58	50	45	30	22	

V4 (100 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V(S.P.), 50Hz AC Supply

DP4MF
Mix Flow
Water Filled



Model DP4MF12CI										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	6.6	8.4	9.9	12.0	13.5	16.8	21.0	
134	1.10	1.50	4	Head in Meter	23	20	19	18	17	16	13	9	
135	1.50	2.00	6		35	30	29	27	26	24	20	14	
136	2.20	3.00	7		38	36	34	32	30	28	24	16	
137	2.20	3.00	8		46	40	38	36	34	32	26	18	
138	2.20	3.00	9		52	45	43	41	38	36	29	20	
139	3.00	4.00	10		58	50	48	45	43	40	33	23	
140	3.70	5.00	12		70	60	57	54	51	48	39	27	
141	3.70	5.00	14		81	70	67	63	60	56	46	32	

Model DP4MF18CI										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								
	KW	HP			0	6.0	12.0	15.0	18.0	21.0	24.0	30.0	
142	1.50	2.00	4	Head in Meter	24	21	18	16	14	12	10	6	
143	2.20	3.00	5		28	26	23	20	18	16	13	8	
144	2.20	3.00	6		36	32	27	24	21	19	15	9	
145	3.00	4.00	7		40	37	32	28	25	22	18	11	
146	3.00	4.00	8		45	42	36	32	28	25	20	12	
147	3.70	5.00	9		52	47	41	36	32	28	23	14	
148	3.70	5.00	10		55	50	43	38	34	30	25	15	



V6 (150 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply

DP6RF

Radial Flow
Water Filled

Model DP6RF30

Outlet Size - 50mm (2")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	2.4	4.8	6.0	7.2	8.4	9.6	10.8	
				lpm	0	40	80	100	120	140	160	180	
1	2.2	3.0	10	Head in Meter	95	90	83	76	70	60	58	48	
2	3.0	4.0	12		115	102	94	88	82	72	66	55	
3	3.0	4.0	13		120	109	100	95	88	78	72	61	
4	3.7	5.0	16		150	133	124	117	107	96	82	68	
5	3.7	5.0	17		160	142	132	125	114	102	88	73	
6	4.5	6.0	20		190	171	162	154	140	120	109	91	
7	5.5	7.5	25		238	215	183	172	160	150	118	107	
8	7.5	10.0	30		290	265	218	205	190	180	160	128	

Model DP6RF40

Outlet Size - 50mm (2")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	4.8	6.0	7.2	9.6	10.2	12.0	13.2	
				lpm	0	80	100	120	160	170	200	220	
9	2.2	3.0	7	Head in Meter	70	64	96	61	53	49	43	37	
10	2.2	3.0	8		80	74	72	70	61	56	49	42	
11	3.0	4.0	10		100	93	91	88	77	70	62	53	
12	3.7	5.0	12		120	112	110	106	93	84	75	64	
13	4.5	6.0	15		150	140	137	132	116	105	94	80	
14	5.5	7.5	18		180	168	165	159	139	126	112	96	
15	7.5	10.0	25		250	195	188	175	148	175	127	109	
16	9.4	12.5	30		300	270	255	240	225	210	190	180	
17	11.0	15.0	35		355	320	305	280	255	240	220	200	

Model DP6RF50

Outlet Size - 50mm (2")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	6.0	7.2	8.4	10.8	12.0	13.2	14.4	
				lpm	0	100	120	140	180	200	220	240	
18	2.2	3.0	6	Head in Meter	62	59	55	52	49	42	40	35	
19	3.0	4.0	8		83	78	78	70	66	56	53	46	
20	3.7	5.0	10		104	98	92	87	82	70	66	58	
21	4.5	6.0	12		125	118	110	104	98	84	79	70	
22	5.5	7.5	14		145	137	129	122	115	98	92	81	
23	5.5	7.5	15		156	147	138	130	123	105	99	89	
24	7.5	10.0	20		207	195	183	173	163	140	131	116	
25	9.4	12.5	25		258	233	222	215	200	180	155	130	
26	11.0	15.0	30		310	286	275	262	240	222	196	165	
27	13.0	17.5	35		362	335	320	302	280	255	230	195	



V6 (150 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

DP6RF
Radial Flow
Water Filled



Model DP6RF60										Outlet Size - 50mm (2")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	6.6	9.0	13.2	15.0	16.2	18.0	23.4	
				lpm	0	110	150	220	250	270	300	390	
28	2.2	3.0	5	Head in Meter	58	53	50	44	40	35	30	19	
29	3.0	4.0	6		70	64	61	53	48	40	36	22	
30	3.7	5.0	7		82	75	70	62	56	50	42	26	
31	3.7	5.0	8		92	86	80	71	64	55	48	30	
32	4.5	6.0	10		115	107	100	88	80	70	60	38	
33	5.5	7.5	11		127	117	110	97	88	72	66	42	
34	5.5	7.5	12		139	128	120	106	96	85	72	46	
35	7.5	10.0	13		151	138	130	114	104	90	78	50	
36	7.5	10.0	14		162	149	140	123	112	100	84	54	
37	7.5	10.0	15		173	158	151	132	120	105	90	58	
38	7.5	10.0	16		186	168	160	141	128	110	96	107	
39	9.4	12.5	20		232	212	201	175	160	135	120	80	
40	11.0	15.0	25		270	250	240	220	200	180	150	100	
41	13.0	17.5	30		320	300	280	260	240	212	135	120	
42	15.0	20.0	33		372	335	300	280	264	235	205	180	
43	15.0	20.0	35		392	355	330	305	280	250	210	140	

Model DP6RF80										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	7.8	12.0	15.0	17.1	18.0	21.0	25.8	
				lpm	0	130	200	250	285	300	350	430	
44	3.0	4.0	5	Head in Meter	58	53	50	44	40	35	30	19	
45	4.5	5.0	6		70	64	61	53	48	40	36	22	
46	4.5	6.0	7		82	75	70	62	56	50	42	26	
47	4.5	6.0	8		94	86	80	71	64	55	48	30	
48	5.5	7.5	9		105	96	90	79	72	62	54	46	
49	5.5	7.5	10		117	107	100	88	80	72	60	38	
50	7.5	10.0	11		128	117	110	97	88	75	66	42	
51	7.5	10.0	12		140	128	120	106	96	85	72	46	
52	9.3	12.5	13		151	138	130	114	104	90	78	50	
53	9.3	12.5	14		163	149	140	123	112	105	84	54	
54	9.3	12.5	15		175	160	151	132	120	108	90	58	
55	11.0	15.0	20		234	214	201	175	160	146	120	80	
56	13.0	17.5	22		248	230	215	195	176	158	135	95	
57	15.0	20.0	25		280	260	248	220	200	180	160	110	
58	18.5	25.0	30		340	318	292	262	262	218	190	135	
59	22.0	30.0	35		416	385	350	310	280	255	225	180	

*Available Outlet Size DP6RF - 65mm (2.5")



V6 (150 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

DP6RF

Radial Flow
Water Filled

Model DP6RF100										Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	12.6	16.8	21.0	22.8	27.6	28.8	30.0	
				lpm	0	210	280	350	380	460	480	500	
60	2.2	3.0	3	Head in Meter	38	32	30	26	24	18	15	12	
61	3.0	4.0	4		49	44	40	35	32	24	20	16	
62	3.7	5.0	5		61	54	50	44	40	30	25	20	
63	4.5	6.0	6		71	64	60	53	48	36	30	24	
64	5.5	7.5	7		85	74	70	62	56	42	35	28	
65	5.5	7.5	8		95	85	80	71	64	48	40	32	
66	7.5	10.0	9		106	95	91	79	72	54	45	48	
67	7.5	10.0	10		122	106	101	88	80	60	50	40	
68	9.3	12.5	11		132	116	110	97	88	66	55	44	
69	9.3	12.5	12		140	124	118	106	96	72	60	48	
70	11.0	15.0	13		145	132	126	114	104	78	65	52	
71	11.0	15.0	14		165	142	138	123	112	84	70	56	
72	11.0	15.0	15		170	152	146	132	120	90	75	60	
73	13.0	20.0	18		206	185	170	155	144	112	105	80	
74	15.0	25.0	20		238	200	192	176	160	120	100	80	
75	18.5	25.0	25		280	250	240	220	200	150	125	100	
76	22.0	30.0	30		341	390	280	260	240	200	170	145	

Model DP6RF125										Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	18.6	20.4	21.6	24.0	25.2	26.4	27.6	
				lpm	0	310	340	360	400	420	440	460	
77	3.0	4.0	3	Head in Meter	37	31	29	28	26	24	23	20	
78	3.7	5.0	4		49	41	39	38	35	33	30	27	
79	4.5	6.0	5		61	51	49	47	44	41	38	34	
80	5.5	7.5	6		73	52	59	56	52	49	45	40	
81	7.5	10.0	8		98	82	78	75	70	65	60	54	
82	9.3	12.5	10		122	103	98	94	87	81	75	67	
83	11.0	15.0	12		146	123	117	112	104	98	90	80	
84	13.0	17.5	14		171	144	137	131	122	114	105	94	
85	15.0	20.0	16		195	165	156	150	139	130	120	107	
86	18.5	25.0	20		226	210	202	190	176	160	150	140	
87	22.0	30.0	24		280	245	235	225	205	192	180	165	

*Available Outlet Size DP6RF - 65mm (2.5")



V6 (150 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply

DP6MF
Mixed Flow
Water Filled



Model DP6MF262-1										Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	12.0	21.0	25.2	27.6	29.4	30.6	36.6	
88	2.2	3.0	3	Head in Meter	32	28	26	24	21	19	17	15	
89	3.0	4.0	4		42	37	35	31	28	25	22	18	
90	3.7	5.0	5		53	44	42	38	35	32	28	25	
91	4.5	6.0	6		64	60	53	48	42	38	34	30	
92	4.5	7.5	7		74	70	62	56	49	45	41	37	
93	5.5	7.5	8		84	80	70	64	56	52	49	45	
94	7.5	10.0	10		105	100	88	80	70	66	63	59	
95	9.3	12.5	12		125	120	105	96	84	78	73	68	
96	11.0	15.0	15		156	150	132	120	105	100	90	80	
97	13.0	17.5	18		185	178	158	144	126	120	105	95	
98	15.0	20.0	20		206	198	176	160	140	130	115	105	
99	18.5	25.0	25		255	248	220	200	175	165	150	130	

Model DP6MF262										Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	22.8	28.8	33.0	35.4	39.6	45.0	48.0	
				lpm	0	380	480	550	590	660	750	800	
100	3.0	4.0	3	Head in Meter	36	30	28	24	21	18	13	8	
101	3.7	5.0	4		47	39	34	31	28	24	22	14	
102	4.5	6.0	5		58	49	43	38	35	30	27	18	
103	5.5	7.5	6		71	58	54	47	42	37	33	20	
104	5.5	7.5	7		78	69	63	55	49	42	38	23	
105	5.5	10.0	7		80	71	66	58	49	44	40	25	
106	5.5	10.0	8		81	80	71	63	56	50	44	26	
107	5.5	10.0	9		100	88	79	70	63	58	52	29	
108	9.3	12.5	10		120	99	89	78	70	62	57	33	
109	11.0	15.0	11		125	109	100	86	77	72	65	45	
110	11.0	15.0	12		143	118	110	96	84	78	71	50	
111	11.0	15.0	13		148	128	119	105	91	85	78	54	
112	13.0	17.5	14		162	136	126	111	98	90	84	63	
113	15.0	20.0	16		182	158	148	130	112	105	99	73	
114	18.5	25.0	20		222	190	172	154	140	125	112	91	
115	22.0	30.0	24	272	235	205	182	168	137	115	105		

*Available Outlet Size DP6MF - 75mm (3")



V6 (150 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply

DP6MF

Mixed Flow
Water Filled



Model DP6MF271

Outlet Size - 65mm (2.5")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	27.0	30.6	36.0	40.8	45.6	51.0	52.8	
				lpm	0	450	510	600	680	760	850	880	
116	3.7	5.0	3	Head in Meter	34	29	27	24	21	19	16	14	
117	4.5	6.0	4		46	37	34	32	28	21	18	17	
118	5.5	7.5	5		57	47	43	39	35	28	25	22	
119	7.5	10.0	6		38	55	53	47	42	32	29	26	
120	7.5	10.0	7		78	65	61	55	49	38	35	31	
121	9.3	12.5	7		79	70	64	60	49	40	38	35	
122	9.3	12.5	8		90	74	68	63	56	42	40	38	
123	11.0	15.0	9		101	83	77	71	63	50	45	42	
124	11.0	15.0	10		112	93	86	78	70	55	50	45	
125	13.0	17.5	12		135	118	110	96	84	78	71	50	
126	15.0	20.0	13		145	121	113	103	91	71	65	61	
127	15.0	20.0	14		156	130	121	111	98	75	71	68	
128	18.5	25.0	16		178	150	137	128	112	86	81	79	
129	22.0	30.0	20		225	195	175	160	140	120	100	90	

Model DP6MF302

Outlet Size - 75mm (3")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	30.0	39.0	45.0	48.0	51.6	60.0	66.6	
				lpm	0	500	600	750	800	860	1000	1110	
130	4.5	6.0	3	Head in Meter	34	29	27	25	23	21	17	13	
131	5.5	7.5	4		45	38	36	34	31	28	23	18	
132	7.5	10.0	5		56	48	45	43	39	35	29	22	
133	9.3	12.5	6		66	57	54	51	47	42	35	26	
134	11.0	15.0	7		78	67	63	60	55	49	41	30	
135	11.0	15.0	8		89	77	72	68	63	56	47	34	
136	13.0	17.5	9		101	85	81	76	70	63	52	41	
137	15.0	20.0	9		103	90	85	80	75	66	55	43	
138	15.0	20.0	10		111	97	91	87	78	70	59	44	
139	18.5	25.0	12		130	114	108	102	93	84	69	54	
140	22.0	30.0	15		168	145	138	122	115	105	85	68	

Model DP6MF323

Outlet Size - 75mm (3")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	39.6	47.7	52.8	60.6	64.8	69.6	75.0	
				lpm	0	660	795	880	1010	1080	1160	1250	
141	3.7	5.0	2	Head in Meter	25	19	18	17	15	14	13	11	
142	5.5	7.5	3		38	29	26	25	23	22	19	17	
143	7.5	10.0	4		51	38	35	34	30	29	26	22	
144	9.3	12.5	5		63	48	44	42	38	36	32	28	
145	11.0	15.0	6		76	58	53	45	46	43	38	33	
146	13.0	17.5	7		89	67	62	59	53	50	40	39	
147	15.0	20.0	8		102	77	70	67	61	58	51	44	
148	18.5	25.0	10		128	96	88	84	76	72	64	50	
149	22.0	30.0	12		144	120	108	98	88	82	75	60	

*Available Outlet Size DP6MF271 - 75mm (3")

V6 (150 mm) Bore Well 50 Feet Submersible Pumpset

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply

DP6RFH

Radial Flow
Water Filled



Model DP6RFH50												Outlet Size - 50mm (2.0")		
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge								Price in ₹	
	KW	HP			0.0	5.4	7.8	9.0	10.2	11.4	12.6	13.8		
					0	90	130	150	170	190	210	230		
1	2.2	3.0	6	Head in Meter	86	80	68	58	50	38	30	20		
2	3.0	4.0	8		115	112	96	88	80	56	40	24		
3	3.7	5.0	10		142	140	120	110	100	70	50	30		
4	4.5	6.0	12		170	168	144	128	115	84	60	36		
5	5.5	7.5	14		210	200	170	160	123	93	63	35		
6	5.5	7.5	15		218	210	180	150	135	105	75	45		
7	7.5	10.0	20		288	280	240	215	190	140	100	60		
8	9.4	12.5	25		356	330	290	250	210	180	150	75		
9	11.0	15.0	30		422	380	340	300	260	210	180	140		

Model DP6RFH60												Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge										
	KW	HP			3.0	6.6	9.0	10.2	13.4	12.6	13.8	15.0			
					0	110	150	170	190	210	230	250			
10	2.2	3.0	5	Head in Meter	75	70	60	55	50	35	25	15			
11	3.0	4.0	7		105	98	84	77	70	49	35	21			
12	3.7	5.0	8		120	112	96	88	80	56	40	24			
13	4.5	6.0	10		150	140	120	110	100	70	50	30			
14	5.5	7.5	12		180	168	144	132	115	84	60	36			
15	7.5	10.0	16		240	224	192	176	155	112	80	48			
16	9.4	12.5	20		300	280	240	220	190	140	100	60			
17	11.0	15.0	24		360	336	288	264	230	168	120	72			
18	13.0	17.5	26		390	364	312	286	260	182	130	78			

Model DP6RFH80											Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge									
	KW	HP			3.6	9.6	12.6	14.4	16.2	17.3	19.1	20.9		
				Head in Meter	0	160	210	240	270	290	320	350		
19	2.2	3.0	4		60	56	48	40	36	28	20	12		
20	3.0	4.0	5		75	70	60	50	45	35	25	15		
21	4.5	5.0	6		90	84	72	60	54	42	30	18		
22	4.5	6.0	8		120	112	96	80	72	56	40	24		
23	5.5	7.5	10		150	140	120	100	90	70	50	30		
24	7.5	10.0	12		180	168	144	120	108	84	60	36		
25	9.3	12.5	15		225	210	180	150	135	105	75	45		
26	11.0	15.0	18		270	252	216	180	162	126	90	54		
27	13.0	17.5	21		315	294	252	210	189	147	105	63		
28	15.0	20.0	25		365	330	290	250	210	180	115	75		
29	18.5	25.0	30	440	390	340	300	270	240	200	150			



V6 (150 mm) Bore Well 50 Feet Submersible Pumpset

DP6RFH

Radial Flow
Water Filled

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply

Model DP6RFH100											Outlet Size - 50mm (2.0")			
Sr. No.	Motor Rating		Stage		Discharge									
	KW	HP		m3/h	4.8	9.5	15.5	16.7	19.7	21.5	23.9	25.4		
				lpm	0	190	260	280	320	360	400	425		
30	2.2	3.0	3	Head in Meter	45	42	36	33	27	21	15	9		
31	3.0	4.0	4		60	56	48	44	36	28	20	12		
32	3.7	5.0	5		75	70	60	55	45	35	25	15		
33	4.5	6.0	6		90	84	72	66	54	42	30	18		
34	5.5	7.5	8		120	112	96	88	72	56	40	24		
35	7.5	10.0	10		150	140	120	110	90	70	50	30		
36	9.3	12.5	12		180	163	144	132	108	84	60	36		
37	11.0	15.0	15		225	210	180	165	135	105	75	45		
38	13.0	17.5	18		270	252	216	198	162	126	90	54		
39	15.0	20.0	20		300	280	240	220	180	140	100	60		
40	18.5	25.0	25		380	340	305	280	250	220	180	120		
41	22.0	30.0	30		455	415	378	355	328	298	255	210		

Model DP6RFH125											Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge									
	KW	HP			5.6	15.0	20.0	21.8	25.1	26.3	29.3	31.7		
						0	250	335	365	420	440	490	530	
42	3.0	4.0	3	Head in Meter	47	42	36	33	30	21	15	9		
43	3.7	5.0	4		63	56	48	44	40	28	20	12		
44	4.5	6.0	5		79	70	60	55	50	35	25	15		
45	5.5	7.5	6		95	84	72	66	60	42	30	18		
46	7.5	10.0	8		125	112	96	88	80	56	40	24		
47	9.3	12.5	10		155	140	120	110	100	70	50	30		
48	11.0	15.0	12		186	168	144	132	120	84	60	36		
49	13.0	17.5	14		212	196	168	154	140	98	70	42		
50	15.0	20.0	16		242	224	192	176	160	112	80	48		
51	18.5	25.0	20		315	270	245	220	200	160	120	90		
52	22.0	30.0	24		380	338	300	278	258	220	185	150		

*Available Outlet Size DP6RFH - 65mm (2.5")



V6 (150 mm) Bore Well 50 Feet Submersible Pumpset

DP6RFH
Radial Flow
Water Filled

Approx Performance Chart at 2850 RPM, 415V (T.P.) 50Hz AC Supply



Model DP6RFH150											Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge									
	KW	HP			13.9	19.1	24.5	27.5	30.0	34.7	36.0	37.7		
						0	320	410	450	480	550	600	650	
53	2.0	3.0	2	Head in Meter	33	28	24	22	18	14	10	6		
54	3.7	5.0	3		46	42	36	33	27	21	15	9		
55	4.5	6.0	4		62	56	48	44	36	28	20	12		
56	5.5	7.5	5		78	70	60	55	45	35	25	15		
57	7.5	10.0	7		107	98	84	77	63	49	35	21		
58	9.3	12.5	8		123	112	96	88	72	56	40	24		
59	11.0	15.0	10		154	140	120	110	90	70	50	30		
60	13.0	17.5	12		182	168	144	132	108	84	60	36		
61	15.0	20.0	13		213	182	165	143	117	91	65	39		
62	18.5	25.0	16		252	210	185	160	140	120	100	80		
63	22.0	30.0	20		318	275	255	225	205	185	165	140		

Model DP6RFH200											Outlet Size - 65mm (2.5")			
Sr. No.	Motor Rating		Stage	m3/h lpm	Discharge									
	KW	HP			18.0	22.8	33.5	31.7	38.3	40.7	43.1	45.5		
	0	420			560	540	560	600	650	740				
64	3.0	4.0	2	Head in Meter	32	28	24	22	18	14	10	6		
65	4.5	6.0	3		47	42	36	33	27	21	15	9		
66	5.5	7.5	4		63	56	48	44	36	28	20	12		
67	7.5	10.0	5		79	70	60	55	45	35	25	15		
68	9.3	12.5	6		95	84	72	66	54	42	30	18		
69	11.0	15.0	8		125	112	96	88	72	56	40	24		
70	13.0	17.5	9		142	126	108	99	81	63	45	27		
71	15.0	20.0	10		156	140	120	110	90	70	50	30		
72	18.5	25.0	12		190	160	135	120	102	85	70	50		
73	22.0	30.0	15		240	210	188	170	150	135	120	105		



V7 (175 mm) Bore Well Submersible Pumpset [V6 Motor & V7 Pump]

DP6/7MF
Mixed Flow
Water Filled

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

Model DP6/7MF25										Outlet Size - 75/100mm (3"/4")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	24.0	31.2	36.0	43.3	46.9	51.0	57.0	
				lpm	0	400	520	600	720	780	850	950	
1	5.5	7.5	3	Head in Meter	53	44	41	37	33	30	27	22	
2	7.5	10.0	4		68	56	52	48	44	40	36	32	
3	9.3	12.5	5		86	71	66	61	55	50	46	40	
4	11.0	15.0	6		104	85	79	73	66	60	55	46	
5	13.0	17.5	7		121	100	92	85	77	70	66	54	
6	15.0	20.0	8		135	105	96	88	82	74	70	58	
7	18.5	25.0	10		173	138	128	113	102	92	87	75	
8	22.0	30.0	12		210	165	155	136	120	112	102	90	

Model DP6/7MF30										Outlet Size - 75/100mm (3”/4”)			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	30.0	39.0	43.2	48.0	55.2	60.0	66	
				lpm	0	500	650	720	800	920	1000	1100	
8	4.5	6.0	2	Head in Meter	35	25	22	21	20	18	17	12	
9	7.5	10.0	3		53	40	36	34	32	30	28	20	
10	9.3	12.5	4		70	55	52	47	44	40	35	25	
11	11.0	15.0	5		88	66	60	56	52	47	42	32	
12	13.0	17.5	6		105	84	76	70	64	60	53	39	
13	15.0	20.0	7		123	103	95	88	80	73	68	56	
14	18.5	25.0	8		140	108	100	91	86	80	74	60	
15	22.0	30.0	10		178	140	125	112	106	100	88	78	

Model DP6/7MF40										Outlet Size - 75/100mm (3”/4”)			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	36.0	48.0	52.2	57.0	64.2	69.0	75.6	
				lpm	0	600	800	870	950	1070	1150	1260	
15	5.5	7.5	2	Head in Meter	37	29	26	24	22	24	19	15	
16	9.3	12.5	3		54	48	42	40	37	35	30	24	
17	11.0	15.0	4		72	60	54	50	46	42	38	33	
18	15.0	20.0	5		90	78	72	67	63	58	53	42	
19	18.5	25.0	6		106	92	86	83	75	68	62	52	
21	22.0	30.0	7		128	105	98	93	85	78	70	60	



V8 (200 mm) Bore Well Submersible Pumpset [V6 Motor & V8 Pump]

DP6/8MF
Mixed Flow
Water Filled

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply



Model DP6/8MF30												Outlet Size - 75/100mm (3"/4")	
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	27.0	34.8	40.8	45.0	48.0	54.0	66.0	
1	4.5	6.0	2	Head in Meter	35	32	30	28	26	24	20	15	
2	7.5	10.0	3		53	47	44	42	40	38	36	22	
3	9.3	12.5	4		70	61	59	56	53	50	48	30	
4	11.0	15.0	5		88	78	73	70	65	62	60	38	
5	15.0	20.0	6		106	95	91	88	82	72	70	45	
6	18.5	25.0	8		142	125	120	113	108	102	100	60	
7	22.0	30.0	10		178	158	150	140	132	122	118	95	

Model DP6/8MF40												Outlet Size - 75/100mm (3"/4")	
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	37.8	45.0	49.2	54.0	60.6	69.0	74.4	
7	5.5	7.5	2	Head in Meter	38	34	32	30	28	25	22	20	
8	9.3	12.5	3		56	50	47	45	42	39	35	30	
9	11.0	15.0	4		75	64	60	57	53	50	45	40	
10	15.0	20.0	5		93	80	76	73	70	65	55	50	
11	18.5	25.0	6		110	96	92	89	83	76	67	60	
12	22.0	30.0	7		128	108	100	105	98	90	78	70	

Model DP6/8MF50												Outlet Size - 75/100mm (3"/4")	
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	45.0	54.0	60.0	66.0	70.8	75.6	84.0	
12	7.5	10.0	2	Head in Meter	42	36	34	32	30	28	24	20	
13	11.0	15.0	3		63	52	48	46	43	40	36	30	
14	15.0	20.0	4		84	66	62	58	53	51	48	40	
15	18.5	25.0	5		104	82	78	74	70	66	60	50	
16	22.0	30.0	6		125	103	98	90	82	76	70	60	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8RF

Radial Flow
Water Filled

Model DP8RF25

Outlet Size - 75mm (3")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	15.0	17.4	20.4	22.2	24.0	27.6	30.0	
				lpm	0	250	290	340	370	400	460	500	
1	7.5	10.0	4	Head in Meter	96	84	80	76	74	71	63	59	
2	9.3	12.5	5		120	105	100	95	93	89	79	74	
3	11.0	15.0	6		144	126	120	114	111	107	95	89	
4	13.0	17.5	7		168	147	140	133	130	125	111	104	
5	15.0	20.0	8		192	168	160	152	148	142	126	118	
6	16.7	22.5	9		216	189	183	174	167	160	144	133	
7	18.5	25.0	10		240	210	200	190	185	178	158	148	
8	20.5	27.5	11		264	231	223	212	204	196	176	163	
9	22.0	30.0	12		288	252	240	228	222	214	190	178	
10	26.0	35.0	14		336	294	280	266	259	249	221	207	

Model DP8RF30

Outlet Size - 75mm (3")

Sr. No.	Motor Rating		Stage	Discharge										
	KW	HP		m3/h	0	17.4	20.4	22.8	27.0	29.4	30.6	34.8		
				lpm	0	290	340	380	450	490	510	580		
11	7.5	10.0	3	Head in Meter	72	61	59	58	54	51	50	41		
12	9.3	12.5	4		96	82	79	77	72	68	66	54		
13	11.0	15.0	5		120	102	99	96	90	86	83	68		
14	13.0	17.5	6		144	122	119	116	108	103	99	82		
15	15.0	20.0	7		168	143	138	134	126	120	116	95		
16	18.5	25.0	8		192	163	158	154	144	137	132	109		
17	20.5	27.5	9		216	187	178	174	162	154	149	122		
18	22.5	30.0	10		240	204	197	192	180	171	165	136		
19	22.0	30.0	11		264	224	218	212	198	188	182	150		
20	26.0	35.0	12		288	245	236	230	216	205	198	163		
21	30.0	40.0	14		336	286	276	269	252	239	231	190		
22	33.5	45.0	15		360	306	296	288	270	257	248	204		
23	37.0	50.0	16		384	326	315	307	288	274	264	218		
24	37.0	50.0	17		408	347	335	326	306	294	281	231		
25	45.0	60.0	18		432	367	356	347	324	308	297	245		



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8RF

Radial Flow
Water Filled



Model DP8RF40

Outlet Size - 75/100mm (3")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	25.2	31.2	40.2	43.8	50.4	51.6	53.4	
				lpm	0	420	520	670	730	840	860	890	
26	9.3	12.5	3	Head in Meter	72	58	55	49	47	44	42	40	
27	11.0	15.0	4		96	77	73	65	62	58	56	53	
28	15.0	20.0	5		120	96	91	82	78	73	70	67	
29	18.5	25.0	6		144	115	109	98	93	87	84	80	
30	22.0	30.0	7		168	134	127	114	109	102	98	93	
31	22.0	30.0	8		192	154	146	130	124	116	112	106	
32	26.0	35.0	9		216	173	164	154	140	131	126	120	
33	30.0	40.0	10		240	192	182	163	155	145	140	133	
34	33.5	45.0	11		264	211	200	179	171	160	154	146	
35	33.5	45.0	12		288	230	218	196	186	174	168	160	
36	37.0	50.0	12		288	230	218	196	186	174	168	160	
37	37.0	50.0	13		312	250	237	212	202	189	182	173	
38	41.0	55.0	14		336	269	255	228	217	203	196	189	
39	45.0	60.0	15		360	288	273	245	233	218	210	200	

Model DP8RF50

Outlet Size - 75/100mm (3"/4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	31.8	34.8	37.2	46.8	52.8	57.0	58.8	
				lpm	0	530	580	620	780	880	950	980	
40	7.5	10.0	2	Head in Meter	48	40	38	37	35	31	28	26	
41	11.0	15.0	3		72	60	57	55	53	47	42	39	
42	15.0	20.0	4		96	80	76	73	70	62	56	52	
43	18.5	25.0	5		120	100	95	92	88	78	70	65	
44	22.0	30.0	6		144	120	114	110	106	93	84	78	
45	26.0	35.0	7		168	140	133	128	123	109	98	91	
46	30.0	40.0	8		192	160	152	146	141	124	112	104	
47	33.5	45.0	9		216	180	171	165	158	140	126	117	
48	37.0	50.0	10		240	200	190	183	176	155	140	130	
49	45.0	60.0	12		288	245	234	226	216	196	176	160	
50	56.0	75.0	15		360	306	293	282	270	245	221	200	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFS

Mixed Flow
Water Filled

Model DP8MF30S										Outlet Size - 75mm (3")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	24.0	30.0	36.0	43.5	45.6	48.0	52.8	
				lpm	0	400	500	600	725	760	800	880	
51	7.5	10.0	3	Head in Meter	54	47	44	42	39	38	36	33	
52	9.3	12.5	4		72	62	59	56	52	50	48	44	
53	11.0	15.0	5		90	78	74	70	65	63	60	55	
54	13.0	17.5	6		108	93	89	84	78	75	72	66	
55	15.0	20.0	7		126	109	103	98	91	88	84	77	
56	18.5	25.0	8		144	124	118	112	104	100	96	88	
57	22.0	30.0	10		180	155	148	140	130	125	120	110	
58	26.0	35.0	12		216	186	177	168	156	150	144	132	
59	30.0	40.0	14		252	217	207	196	182	175	168	154	
60	35.0	45.0	15		270	233	221	210	195	188	180	165	

Model DP8MF40S										Outlet Size - 75mm (3")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	39.0	45.0	49.2	54.6	60.0	69.0	75.0	
				lpm	0	650	750	820	910	1000	1150	1250	
61	9.3	12.5	3	Head in Meter	63	49	47	44	42	39	34	30	
62	11.0	15.0	4		84	65	62	59	56	52	56	40	
63	15.0	20.0	5		105	81	78	74	70	65	65	50	
64	18.5	25.0	6		126	98	93	89	84	78	68	60	
65	22.0	30.0	8		168	130	124	118	112	107	90	80	
66	26.0	35.0	9		189	146	140	133	126	117	101	90	
67	30.0	40.0	10		210	169	155	148	140	130	113	100	
68	33.5	45.0	11		231	179	171	162	154	143	124	110	
69	33.5	45.0	12		252	195	186	177	168	156	135	120	
70	37.0	50.0	12		252	195	186	177	168	156	135	120	
71	37.0	50.0	13		273	211	202	192	182	169	146	130	
72	41.0	55.0	14		294	228	217	207	196	182	158	140	
73	45.0	60.0	15		315	244	233	221	210	195	169	150	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFS

Mixed Flow
Water Filled



Model DP8MF50S

Outlet Size - 100mm (4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	46.8	52.2	59.4	69.0	73.2	78.6	85.2	
74	7.5	10.0	2	Head in Meter	44	34	33	31	28	27	24	20	
75	11.0	15.0	3		66	50	49	46	42	40	36	30	
76	15.0	20.0	4		88	67	65	61	56	53	48	40	
77	18.5	25.0	5		110	84	81	76	70	66	60	50	
78	22.0	30.0	6		132	101	98	92	84	80	72	60	
79	26.0	35.0	7		154	107	114	107	98	93	84	70	
80	30.0	40.0	8		176	134	130	122	112	106	96	80	
81	35.0	45.0	9		198	151	146	137	126	119	108	90	
82	37.0	50.0	10		220	168	163	153	140	133	120	100	
83	41.0	55.0	11		242	184	179	168	154	146	132	110	
84	45.0	60.0	12		264	201	195	183	168	159	144	120	
85	55.0	75.0	15		330	251	244	229	210	199	180	150	

Model DP8MF60S

Outlet Size - 100mm (4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	57.0	66.0	75.0	82.2	87.0	91.2	97.2	
86	9.3	12.5	2	Head in Meter	45	34	32	30	28	26	23	20	
87	13.0	17.3	3		68	51	48	45	42	39	35	30	
88	18.5	25.0	4		90	68	64	60	56	52	46	40	
89	22.0	30.0	5		113	85	80	75	70	65	58	51	
90	26.0	35.0	6		135	102	96	90	84	78	69	61	
91	30.0	40.0	7		158	119	112	105	98	91	81	71	
92	37.0	50.0	8		180	136	128	120	112	104	92	81	
93	41.0	55.0	9		203	153	144	135	126	117	104	91	
94	45.5	60.0	10		225	170	160	150	140	130	115	101	
95	55.0	75.0	12		270	204	192	180	168	156	138	121	
96	63.0	85.0	14		315	238	224	210	196	182	161	142	

Model DP8MF70S

Outlet Size - 100mm (4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h lpm	0	63.0	69.0	84.0	96.0	102.0	108.0	114.0	
97	11.0	15.0	2	Head in Meter	43	34	33	31	28	26	24	20	
98	15.0	20.0	3		65	51	50	46	42	39	35	30	
99	22.0	30.0	4		86	68	66	61	56	52	47	40	
100	26.0	35.0	5		108	85	83	76	70	65	59	50	
101	30.0	40.0	6		129	102	99	92	84	78	71	60	
102	35.0	45.0	6		129	102	99	92	84	78	71	60	
103	37.0	50.0	7		151	119	116	107	98	91	82	70	
104	41.0	55.0	8		172	136	132	122	112	104	94	80	
105	45.0	60.0	9		194	153	149	137	126	117	106	90	
106	55.0	75.0	11		237	187	182	168	154	143	129	110	
107	63.0	85.0	12		258	204	198	183	168	156	141	120	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFM

Mixed Flow
Water Filled

Model DP8MF40M										Outlet Size - 100mm (4")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	36.0	48.0	54.0	60.0	75.0	81.0	87.0	
				lpm	0	600	800	900	1000	1250	1350	1450	
108	9.3	12.5	3	Head in Meter	65	53	48	45	42	36	33	30	
109	11.0	15.0	4		86	70	64	60	56	48	44	40	
110	15.0	20.0	5		108	88	80	75	70	60	55	50	
111	18.5	25.0	6		129	105	96	90	84	72	66	60	
112	22.0	30.0	7		151	123	112	105	98	84	77	70	
113	22.0	30.0	8		172	140	128	120	112	96	88	80	
114	26.0	35.0	8		172	140	128	120	112	96	88	80	
115	26.0	35.0	9		194	158	144	135	126	108	99	90	
116	30.0	40.0	10		215	175	160	150	140	120	110	100	
117	35.0	45.0	11		237	193	176	165	154	132	121	110	
118	37.0	50.0	12		258	210	192	180	168	144	132	120	
119	41.0	55.0	14		301	245	224	210	196	168	154	140	
120	45.0	60.0	15		323	263	240	225	210	180	165	150	

Model DP8MF50M										Outlet Size - 100mm (4")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	42.0	51.0	60.0	67.8	78.0	84.0	90.0	
				lpm	0	700	850	1000	1130	1300	1400	1500	
121	7.5	10.0	2	Head in Meter	43	36	34	32	30	27	25	22	
122	11.0	15.0	3		65	54	51	48	45	41	38	33	
123	15.0	20.0	4		86	72	68	64	60	54	50	44	
124	18.5	25.0	5		108	90	85	80	75	68	63	55	
125	22.0	30.0	6		129	108	102	96	90	81	75	66	
126	26.0	35.0	7		151	126	119	112	105	95	88	77	
127	30.0	40.0	8		172	144	136	128	120	108	100	88	
128	35.0	45.0	9		194	162	153	144	135	122	113	99	
129	37.0	50.0	10		215	180	170	160	150	135	128	110	
130	41.0	55.0	11		237	198	187	176	165	149	138	121	
131	45.0	60.0	12		258	216	204	192	180	162	150	132	
132	56.0	75.0	15		323	270	255	240	225	203	188	165	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFM

Mixed Flow
Water Filled



Model DP8MF60M

Outlet Size - 100mm (4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	54.0	60.0	72.0	79.5	90.0	99.0	105.0	
				lpm	0	900	1000	1200	1325	1500	1650	1750	
133	9.3	12.5	2	Head in Meter	47	36	35	32	30	27	24	21	
134	13.0	17.5	3		71	54	53	48	45	41	36	32	
135	18.5	25.0	4		94	72	70	64	60	54	48	42	
136	22.0	30.0	5		118	90	88	80	75	68	60	53	
137	26.0	35.0	6		141	108	105	96	90	81	72	63	
138	30.0	40.0	7		165	126	123	112	105	95	84	74	
139	37.0	50.0	8		188	144	140	128	120	108	96	84	
140	41.0	55.0	9		212	162	158	144	135	122	108	95	
141	45.0	60.0	10		235	180	175	160	150	135	120	105	
142	56.0	75.0	12		282	216	210	192	180	162	144	126	
143	63.0	85.0	14		329	252	245	224	210	189	168	147	

Model DP8MF70M

Outlet Size - 100mm (4")

Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	72.0	78.0	84.0	90.0	99.0	105.0	111.0	
				lpm	0	1200	1300	1400	1500	1650	1750	1850	
144	11.0	15.0	2	Head in Meter	49	36	34	32	30	27	24	21	
145	15.0	20.0	3		74	54	51	48	45	41	36	32	
146	22.0	30.0	4		98	72	68	64	60	54	48	42	
147	26.0	35.0	5		123	90	85	80	75	68	60	53	
148	30.0	40.0	6		147	108	102	96	90	81	72	63	
149	35.0	45.0	6		147	108	102	96	90	81	72	63	
150	37.0	50.0	7		172	126	119	112	105	95	84	74	
151	41.0	55.0	8		196	144	136	128	120	108	96	84	
152	45.0	60.0	9		221	162	153	144	135	122	108	95	
153	56.0	75.0	10		245	180	170	160	150	135	120	105	
154	56.0	75.0	11		270	198	187	176	165	149	132	116	
155	63.0	85.0	12		294	216	204	192	180	162	144	126	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFM

Mixed Flow
Water Filled

Model DP8MF80M										Outlet Size - 100mm (4")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	75.0	87.0	96.0	102.0	108.0	114.0	123.0	
				lpm	0	1250	1450	1600	1700	1800	1900	2050	
156	11.0	15.0	2	Head in Meter	51	37	34	32	30	28	26	21	
157	18.5	25.0	3		77	56	51	48	45	42	39	32	
158	26.0	35.0	4		102	74	68	64	60	56	52	42	
159	30.0	40.0	5		128	93	85	80	75	70	65	53	
160	37.0	50.0	6		154	111	102	96	90	84	78	63	
161	41.0	55.0	7		179	130	119	112	105	98	91	74	
162	45.0	60.0	8		205	148	136	128	120	112	104	84	
163	56.0	75.0	9		230	167	153	144	135	126	117	95	
164	63.0	85.0	11		282	204	187	176	165	154	143	116	

Model DP8MF90M										Outlet Size - 125mm (5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	81.0	88.8	96.0	108.0	120.0	129.0	138.0	
				lpm	0	1350	1480	1600	1800	2000	2150	2300	
165	13.0	17.5	2	Head in Meter	54	38	35	33	30	29	26	23	
166	20.0	27.5	3		81	65	62	59	53	45	41	33	
167	26.0	35.0	4		108	76	70	66	60	57	52	46	
168	33.5	45.0	5		135	95	88	83	75	71	65	58	
169	41.0	55.0	6		162	114	105	99	90	86	78	69	
170	45.0	60.0	7		189	133	123	116	105	100	91	81	
171	56.0	75.0	8		216	152	140	132	120	114	104	92	
172	63.0	85.0	9		243	171	158	149	135	128	117	104	

Model DP8MF100M										Outlet Size - 125mm (5")			
Sr. No.	Motor Rating		Stage	Discharge									
	KW	HP		m3/h	0	90.0	96.0	102.0	108.0	114.0	126.0	144.0	
				lpm	0	1500	1600	1700	1800	1900	2100	2400	
173	7.5	10.0	1	Head in Meter	26	22	21	20	19	18	15	10	
174	15.0	20.0	2		52	43	41	40	37	35	30	21	
175	22.0	30.0	3		78	65	62	60	56	53	45	31	
176	30.0	40.0	4		104	86	82	80	74	70	60	41	
177	37.0	50.0	5		130	108	103	100	93	88	75	52	
178	45.0	60.0	6		156	129	124	120	111	105	90	62	
179	56.0	75.0	8		208	172	165	160	148	140	120	83	
180	63.0	85.0	9		234	194	185	180	167	158	135	93	



V8 (200 mm) Bore Well Submersible Pumpset

Approx Performance Chart at 2870 RPM, 415V (T.P.), 50Hz AC Supply

DP8MFL
Mixed Flow
Water Filled



Model DP8MF125L

Outlet Size - 125mm (5")

Sr. No.	Motor Rating		Stage	Discharge								
	KW	HP		m3/h	0	69.0	90.0	120.0	144.0	168.0	186.0	204.0
				lpm	0	1150	1500	2000	2400	2800	3100	3400
181	9.3	12.5	1	Head in Meter	27	23	21	19	17	15	13	10
182	18.5	25.0	2		54	46	42	38	34	30	26	20
183	30.0	40.0	3		81	69	63	57	51	45	39	30
184	37.0	50.0	4		108	92	84	76	68	60	52	40
185	45.0	60.0	5		135	115	105	95	85	75	65	50
186	56.0	75.0	6		162	138	126	114	102	90	78	60
187	63.0	85.0	7		189	161	147	133	119	105	91	70

Model DP8MF150L

Outlet Size - 125mm (5")

Sr. No.	Motor Rating		Stage	Discharge								
	KW	HP		m3/h	0	87.0	105.0	132.0	168.0	180.0	192.0	204.0
				lpm	0	1450	1750	2200	2800	3000	3200	3400
188	11.0	15.0	1	Head in Meter	30	25	23	21	18	16	15	13
189	22.0	30.0	2		60	49	46	42	35	32	30	26
190	33.5	45.0	3		90	74	69	63	53	48	45	39
191	45.0	60.0	4		120	98	92	84	70	64	60	52
192	56.0	75.0	5		150	123	115	105	88	80	75	65
193	63.0	85.0	6		180	147	138	126	105	96	90	78

Model DP8MF175L

Outlet Size - 125mm (5")

Sr. No.	Motor Rating		Stage	Discharge								
	KW	HP		m3/h	0	108.0	132.0	168.0	192.0	210.0	222.0	240.0
				lpm	0	1800	2200	2800	3200	3500	3700	4000
194	13.0	17.5	1	Head in Meter	31	24	22	20	18	17	16	14
195	26.0	35.0	2		62	48	44	40	36	33	31	28
196	37.0	50.0	3		93	72	66	60	54	50	47	42
197	56.0	75.0	4		124	96	88	80	72	66	62	56
198	63.0	85.0	5		155	120	110	100	90	83	78	70



Regenerative Self Priming Pumps (Domestic)

Approx Performance Chart at 2850 RPM, 230V (S.P.), 50Hz AC Supply

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Rated RPM	Suction Capacity in Mr	Head in Meter																	
		HP	KW				Head	5	8	10	12	15	17	20	22	25	27	30	35	38	40			
1	D-50	1/8	0.12	15X15	2880	6	Dis. in LPM	20	18	16	14	10	8	5										
2	D-50 (S.G)	0.5	0.37	15X15	2880	6		24	20	18	16	14	12	10	8	5								
3	D-0.75 (S.G)	0.75	0.55	25X25	2880	6		35	30	28	25	23	21	18	15	12								
4	D-60	1.0	0.75	15X15	2880	6		27	25	23	21	18	15	12	9	7								
5	D-80	0.75	0.55	25X25	2880	6		44	42	35	32	30	28	23	21	18								
6	D-100	1.0	0.75	25X25	2880	8		48	44	38	36	34	31	27	25	23	18	15						
7	D-70 N.R.V	0.5	0.37	25X25	2880	6		35	30	27	22	19	15	14	10	8								
8	D-90 N.R.V	0.5	0.37	25X25	2880	6		38	34	30	28	24	22	20	16	12	8	5						
9	D-150 N.R.V	1.0	0.75	25X25	2880	6		54	50	46	40	36	34	30	28	25	22	20	18	15	10			
10	V-Type C.I	0.5	0.37	25X25	2880	6		40	35	32	30	27	23	21	18	15	10	8						
11	SSP D.M.S	0.5	0.37	25X25	1440	8		42	38	36	34	32	29	26	24	20	16	10						
12	SM 1440	0.5	0.37	25X25	1440	8		38	34	32	30	28	26	23	21	16	14	10						
13	SM 1440	1.0	0.75	25X25	1440	8		52	48	46	44	42	40	35	32	26	23	18	15	5				

Domestic
Self Priming
Pump





Openwell Submersible Pumps (Domestic) S.S. Body (Single Phase/Three Phase)

Approx Performance Chart at 2850 RPM, 415V (T.P.) & 230V (S.P.), 50Hz AC Supply

Sr. No.	Model	Motor Rating		Pipe Size Suc.xDel.(mm)	Total Head in Meter (Feet) V/S Discharge in L.P.M.																		
		HP	KW		4	6	8	10	12	14	16	18	20	22	24	26	28	32	34	36			
					(13)	(20)	(26)	(32)	(39)	(46)	(52)	(59)	(66)	(72)	(79)	(85)	(92)	(105)	(111)	(108)			
1	DH-0.5	0.5	0.37	25 X 25 (1")			135	120	110	95	60	S.O 60Ft.											
2	DH-0.5 DX	0.5	0.37	25 X 25 (1")			120	108	95	85	50	S.O 55ft.											
3	DH-1.0	1.0	0.75	25 X 25 (1")			235	228	220	210	195	180	155	110	S.O 80Ft.								
4	DH-1.0 DX	1.0	0.75	25 X 25 (1")				210	200	190	180	160	140	90	S.O 80Ft.								
5	DH-1.5	1.5	1.10	50 X 40 (1.5")			255	240	230	215	200	195	175	160	145	120	S.O 95Ft.						
6	DH-1.5	1.5	1.10	50 X 50 (2")	310	295	280	270	260	245	230	215	200	190	140	S.O 85Ft.							
7	DH-2.0	2.0	1.50	50 X 50 (2")	340	330	315	305	295	290	280	270	260	240	200	160	125	S.O 100Ft.					
8	DH-2.0	2.0	1.50	65 X 50 (2")	600	520	500	480	460	440	380	320	230	S.O 75Ft.									
9	DH-2.0	2.0	1.50	65 X 65 (2.5")	650	580	560	535	490	460	410	380	300	210	S.O 75Ft.								

*Note : Panels provided only with Single Phase Pumpset in Domestic Series

**Domestic
Openwel**





Openwell Submersible Pumps (Monoset) Royal Series

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

Sr. No.	Model	Motor Rating		Pipe Size Suc.xDel. (mm)	Total Head in Meter (Feet) V/S Discharge in L.P.M.																₹					
		HP	KW		6	8	10	12	14	15	18	20	24	26	28	30	32	34	35	38				40		
					(20)	(26)	(33)	(39)	(46)	(49)	(59)	(66)	(79)	(85)	(92)	(98)	(105)	(111)	(115)	(125)				(131)		
1	DH-3 RYL	3.0	2.2	65 X 50 (2")	710	660	620	570	540	520	465	440	390	350	285	195	S.O 110Ft.									
2	DH-3 RYL	3.0	2.2	65 X 65 (2.5")	830	800	765	705	640	605	520	460	150	S.O 85Ft.												
3	DH-3 RYL	3.0	2.2	80 X 80 (3")	1180	1080	980	850	820	750	600	400	S.O 75Ft.													
4	DH-5 RYL	5.0	3.7	65 X 50 (2")	760	730	690	670	645	630	600	580	530	510	470	450	380	300	230	S.O 130FT.						
5	DH-5 RYL	5.0	3.7	65 X 65 (2.5")	980	935	900	870	855	835	770	710	620	580	400	S.O 100Ft.										
6	DH-5 RYL	5.0	3.7	80 X 80 (3")	1220	1150	1090	1050	1010	985	860	645	S.O 80Ft.													

*Note : Panels provided only with Single Phase Pumpset in Royal Openwell Series

**Royal
Openwell**
(S.P/T.P)





Regal Openwell (Three Phase)



*HH - High Head

Vertical Openwell Submersible Pumps (RF Series - S.S Body)

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

**Vertical
Openwell**
(Appolo) RF

Sr. No.	Model	Motor Rating		Stage	Pipe Size Del. (mm)	Total Head in Meter (feet) V/S Discharge in L.P.M.																								
		8	12			16	22	25	28	30	34	38	42	46	48	52	56	62	70	78	88	98	110	121	129	140				
		(26)	(39)			(52)	(72)	(82)	(92)	(98)	(111)	(124)	(137)	(150)	(157)	(170)	(183)	(203)	(229)	(255)	(288)	(321)	(361)	(397)	(423)	(460)				
1	DV-RF 301	3.0	2.2	1	65	800	700	580	430																					
2	DV-RF 302	3.0	2.2	2	65	750	700	600	500	440	400	320																		
3	DV-RF 501	5.0	3.7	1	65	900	850	800	750																					
4	DV-RF 502	5.0	3.7	2	65	830	780	750	680	620	570	540	430																	
6	DV-RF 503	5.0	3.7	3	65	800	750	720	680	620	590	560	500	410	380	280	160													
7	DV-RF 651	6.5	4.9	1	65	1000	950	900	800																					
8	DV-RF 652	6.5	4.9	2	65	800	750	680	650	620	580	540	400																	
10	DV-RF 653	6.5	4.9	3	65	800	730	700	680	650	630	610	590	530	480	400	380	220												
12	DV-RF 751	7.5	5.5	1	65	1150	1080	1020	930	520																				
13	DV-RF 752	7.5	5.5	2	65	900	850	780	750	720	680	650	500	350																
15	DV-RF 753	7.5	5.5	3	65	850	800	780	750	730	700	680	650	580	530	470	440	350												
17	DV-RF 754	7.5	5.5	4	65	800	750	720	690	670	650	635	600	550	530	500	470	430	380	200										
19	DV-RF 1003	10.0	7.5	3	65	950	930	920	900	860	850	830	800	760	720	660	630	550	450											
21	DV-RF 1004	10.0	7.5	4	65	950	920	900	850	800	780	750	720	680	650	620	600	580	520	420	310									
23	DV-RF 1005	10.0	7.5	5	65	900	850	800	780	750	730	710	680	650	630	610	600	590	560	500	460	420								
24	DV-RF 1006	10.0	7.5	6	65	900	780	760	720	690	670	650	630	610	600	580	560	550	520	480	450	430	380	350						
24	DV-RF 1253	12.5	9.3	3	65	1000	980	960	950	920	890	860	850	830	820	760	710	630	520	300										
25	DV-RF 1254	12.5	9.3	4	65	980	950	930	900	850	830	800	770	730	710	670	660	620	570	485	380									
26	DV-RF 1255	12.5	9.3	5	65	930	900	860	830	810	780	760	730	700	680	660	640	620	600	560	500	450	330							
27	DV-RF 1256	12.5	9.3	6	65	920	830	820	760	730	710	700	680	660	650	630	610	590	570	540	500	480	420	390						
28	DV-RF 1257	12.5	9.3	7	65	880	780	750	700	690	670	640	620	590	570	530	500	480	460	440	420	390	350	290	250	200				
29	DV-RF 1504	15.0	11	4	65	1000	990	980	960	900	880	850	820	780	760	720	710	680	620	530	430									
30	DV-RF 1505	15.0	11	5	65	950	930	900	880	860	820	800	780	780	750	730	710	690	660	650	620	550	490	380						
31	DV-RF 1506	15.0	11	6	65	980	880	850	810	780	760	750	730	710	700	680	660	650	630	590	550	520	480	420						
32	DV-RF 1507	15.0	11	7	65	920	830	810	780	750	720	690	670	660	640	630	600	595	565	530	490	460	430	410	380	350				
33	DV-RF 1508	15.0	11	8	65	910	800	790	750	720	695	670	650	640	620	600	585	570	540	515	540	585	555	500	450	395	300	200		



Vertical Openwell Submersible Pumps (MF Series - S.S Body)

Approx Performance Chart at 2850 RPM, 415V (T.P.), 50Hz AC Supply

**Vertical
Openwell**
(Appolo) MF

Sr. No.	Model	Motor Rating		Stage	Pipe Size Del. (mm)	Total Head in Meter (feet) V/S Discharge in L.P.M.																			
		HP	KW			8	12	16	22	25	28	30	34	38	42	46	48	52	56	65	72	80	90	100	
						(26)	(39)	(52)	(72)	(82)	(92)	(98)	(111)	(124)	(137)	(150)	(157)	(170)	(183)	(213)	(236)	(262)	(295)	(328)	
1	DV-MF 502	5.0	3.7	2	65	1350	1200	1080	850	730	600	450	320												
2	DV-MF 652	6.5	4.9	2	65	1420	1300	1200	1000	930	730	590	480	350											
3	DV-MF 653	6.5	4.9	3	65	1310	1180	1030	880	800	780	680	600	490	400	320									
4	DV-MF 752	7.5	5.5	2	65	1480	1380	1250	1100	1050	780	650	550	420											
5	DV-MF 753	7.5	5.5	3	65	1350	1250	1100	950	900	850	780	700	600	520	430									
6	DV-MF 1002	10.0	7.5	2	65	1650	1550	1475	1250	1100	1050	900	700	480											
7	DV-MF 1003	10.0	7.5	3	65	1450	1350	1300	1150	1100	1050	1000	950	900	750	580	400								
8	DV-MF 1004	10.0	7.5	4	65	1400	1370	1350	1100	1050	1030	980	950	850	780	720	600	500	400						
9	DV-MF 1253	12.5	9.3	3	65	1500	1460	1430	1390	1330	1280	1230	1180	1100	900	820	750	630							
10	DV-MF 1254	12.5	9.3	4	65	1550	1480	1430	1310	1210	1160	1100	1020	910	860	760	650	580	550						
11	DV-MF 1255	12.5	9.3	5	65	1380	1350	1310	1280	1200	1140	1080	1050	1000	930	850	750	680	650	510	380				
12	DV-MF 1503	15.0	11	3	65	1600	1580	1530	1500	1460	1430	1400	1350	1200	1030	1000	950	750							
13	DV-MF 1504	15.0	11	4	65	1550	1530	1500	1460	1420	1380	1350	1300	1280	1240	1150	1080	920	830	620					
14	DV-MF 1505	15.0	11	5	65	1450	1400	1360	1320	1280	1230	1190	1150	1080	1010	960	920	860	750	630	530	450			
15	DV-MF 1506	15.0	11	6	65	1480	1420	1380	1340	1300	1250	1210	1190	1110	1050	1000	950	880	800	720	600	500	400		





Centrifugal Monoblock Pumps

Centrifugal
Monoblock
Pumps

Sr. No.	Model	Motor Rating		Pipe size (mm)	Head in Meter																	
		HP	KW		Head	6	8	10	12	14	16	18	20	22	24	26	28	30	32			
1	DCF SP LH 9	0.50	0.37	25x25	Discharge in LPM		116	106	90	70												
2	DCF TP LH 10	0.50	0.37	25x25			120	110	92	72												
3	DCF SP LH 11	0.50	0.37	40x40		290	260	188	115	85												
4	DCF TP LH 12	0.50	0.37	40x40		295	262	185	112	82												
5	DCF TP LH EX 13	0.50	0.37	40x40		290	260	188	115	85												
6	DCF SP 14	1.0	0.75	25x25				128	122	116	110	102	94	88	80	72	58	46	36			
7	DCF TP 15	1.0	0.75	25x25				130	124	118	112	104	96	85	75	66	50	35				
8	DCF SP 16	1.0	0.75	50x50		448	410	332	300													
9	DCF SP EX 16	1.0	0.75	50x50		448	410	332	300													
10	DCF DP EX 17	1.0	0.75	50x50		440	402	322	290													
11	DCF TP 18	1.0	0.75	50x50		450	412	335	304													
12	DCF SP 19	1.5	1.1	50x50		450	418	380	350	270	200	120 (17mtr)										
13	DCF TP 20	1.5	1.1	50x50		454	422	384	354	272	202	116 (17mtr)										
14	DCF DP 21	1.5	1.1	50x50		450	418	380	350	270	200	120 (17mtr)										
15	DCF SP 22	1.5	1.1	65x50			460	428	388	210	100											
16	DCF DP 23	1.5	1.1	65x50			460	428	380	210	100											
17	DCF TP 24	1.5	1.1	65x50			462	430	390	215	104											
18	DCF SP HH 25	2.0	1.5	50x40						390	370	350	320	280	280	200						
19	DCF SP LH 26	2.0	1.5	50x40					340	320	290	260	230	190	150	110 (17mtr)						
20	DCF TP HH 27	2.0	1.5	50x40						395	375	355	325	282	252	202						
21	DCF TP LH 28	2.0	1.5	50x40					344	324	294	264	234	194	152	115 (17mtr)						
22	DCF SP 29	2.0	1.5	50x50		520	500	475	450	410	370	300	220	120								
23	DCF TP 30	2.0	1.5	50x50		520	500	475	450	410	370	300	220	120								
24	DCF SP 31	2.0	1.5	65x50			525	510	485	465	440	400										
25	DCF DP 32	2.0	1.5	65x50			525	510	485	465	440	400										
26	DCF TP 33	2.0	1.5	65x50			525	510	485	465	440	400										
27	DCF SP 34	2.0	1.5	65x80		710	620	500	400	260												
28	DCF DP 35	2.0	1.5	65x80		710	620	500	400	260												
29	DCF TP 36	2.0	1.5	65x80		710	620	500	400	260												
30	DCF SP 37	2.0	1.5	80x80		800	700	560	380													
31	DCF SP EX 37	2.0	1.5	80x80		800	700	560	380													
32	DCF DP 38	2.0	1.5	80x80		800	700	560	380													
33	DCF TP 39	2.0	1.5	80x80		800	700	560	380													
34	DCF SP 40	3.0	2.2	80x80		1150	1050	900	750	600	450	400										
35	DCF DP 41	3.0	2.2	80x80		1150	1050	900	750	600	450	400										
36	DCF TP 42	3.0	2.2	80x80		1150	1050	900	750	600	450	400										
37	DCF SP 43	3.0	2.2	100x100		1250	1150	900	650	400												
38	DCF DP 44	3.0	2.2	100x100		1250	1150	900	650	400												
39	DCF TP 45	3.0	2.2	100x100		1250	1150	900	650	400												

S.P - Single Phase, T.P - Three Phase, D.P - Two Phase, EX - External Shaft, LH - Low Head, HH - High Head



Induction Motors

For Standard Electric Motor, for 3 phase, 415 Volt, 50Hz, TEFC, A.C induction Motor with F Class insulation as per IS 325/1996

Induction Motors (S.P/ T.P)

Sr. No.	Model Type	Motor Rating		R.P.M.	FRAME			Sr. No.	Model Type	Motor Rating		R.P.M.	FRAME		
		HP	KW							HP	KW				
1	DI-0.25	0.25	0.18	3000	63			9	DI-7.5	7.5	5.5	3000	112-M		
				1500	63								132-S		
				1000	71							1500	132-S		
				750	80							1000	132-M		
2	DI-0.50	0.50	0.37	3000	71			10	DI-10	10.0	7.5	750	160-M		
				1500	71							3000	132-S		
				1500	90	-						1500	132-M		
				1000	80							1000	160-L		
3	DI-0.75	0.75	0.55	750	90-S			11	DI-12.5	12.5	9.3	750	180-M		
				3000	71							600	180-L		
				1500	80							3000	132-M		
				1500	90							1500	160-M		
4	DI-1.0	1.00	0.75	1000	80			12	DI-15	15.0	11.0	1000	160-L		
				750	90-L							750	180-M		
				3000	80							600	180-L		
				1500	80							3000	160-M		
5	DI-1.5	1.5	1.10	1500	100			13	DI-20	20.0	15.0	1500	160-M		
				1000	90-S							1500	160-L		
				750	100-L							1000	180-L		
				3000	80							750	200-L		
6	DI-2.0	2.0	1.50	1500	90-S			14	DI-25	25.0	18.6	3000	160-M		
				1500	90-L							1500	180-L		
				1500	112							1000	200-L		
				1000	100-L							3000	180-L		
7	DI-3.0	3.0	2.20	750	112-M			15	DI-30	30.0	22.0	1500	180-L		
				3000	90-L							1000	200-L		
				1500	100-L										
				1500	100-L										
8	DI-5.0	5.0	3.70	1500	112										
				1500	132										
				1000	112-M										
				750	132-S										
				3000	100-L										
				3000	112-M										
				1500	112-M										
				1000	132-S										
				750	132-M										



MUD Pumps

**Mud
Pumps
(S.P/T.P)**

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Suction Capacity in Mtr.	Head in Mtr.	Discharge in L.P.M		
		HP	KW						
1	DMP - 0.5	0.5	0.37	25 X 25	5	5	100		

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Suction Capacity in Mtr.	Head in Mtr.	Discharge in L.P.M		
		HP	KW						
2	DMP - 1.0	1.0	0.75	40 X 40	5	10	250		

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Suction Capacity in Mtr.	Head in Mtr.	Discharge in L.P.M		
		HP	KW						
3	DMP - 2.0	2.0	1.5	50 X 50	5	15	400		

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Suction Capacity in Mtr.	Head in Mtr.	Discharge in L.P.M		
		HP	KW						
4	DMP - 3.0	3.0	2.2	50 X 50	5	20	600	-	

Sr. No.	Model	Motor Rating		Pipe Size (mm)	Suction Capacity in Mtr.	Head in Mtr.	Discharge in L.P.M		
		HP	KW						
5	DMP - 5.0	5.0	3.7	80 X 80	5	25	1100	-	



Price List For Submersible 3 Core Flat Cable Up to 1100V I.S:694

"DELITE" Flat Cable With ISI Mark			
Sr. No.	Conductor		
	Nominal area in	Nos. & diameter of wire	
	Sq.mm	Nos./mm	
1	1.5	22/0.30	
2	2.5	36/0.30	
3	4.0	56/0.30	
4	6.0	85/0.30	
5	10.0	140/0.30	
6	16.0	224/0.30	
7	25.0	350/0.30	
8	35.0	490/0.30	

"TEXLO" Flat Cable			
Sr. No.	Conductor		
	Nominal area in	Nos. & diameter of wire	
	Sq.mm	Nos./mm	
1	1.5	22/0.25	
2	2.5	35/0.25	
3	4.0	55/0.25	
4	6.0	85/0.25	
5	10.0	140/0.25	
6	16.0	224/0.25	



Pvc Insulated Anurmurd Industrial Cable Up to 1100v

Sr. No.	Size Sq. mm	Cond. Dia. mm	
1	4 x 3	2.20	
2	6 x 2	2.55	
3	6 x 3	2.55	
4	6 x 4	2.55	
5	10 x 3	3.50	
6	10 x 4	3.40	
7	16 x 3	4.00	
8	16 x 4	4.00	
9	25 x 3	5.00	
10	35 x 3	5.35	



General Specification

PRESSURE	
1 Atmosphere	= 1.033 Kg / cm ²
1 Atmosphere	= 14.7 lb / inch ²
1 Atmosphere	= 10.34 mwc
1 lb / inch ²	= 0.704 mwc
1 lb / inch ²	= 2.31 ft. Wc

POWER	
1 H.P. (Si)	= 0.746 kw
	= 746 watts
1 H.P. (Metric)	= 0.736 kw
	= 736 watts
1 kw	= 1000 watts

HEAD	
1 mts.	= 3.28 ft.
1 ft.	= 0.3048 m
1 kg / cm ²	= 10 mtrs

DISCHARGE	
1 Imp Gallon	= 4.546 Ltrs.
1 US Gallon	= 3.785 Ltrs.
1 Cum	= 1000 Ltrs.
1 Cu ft	= 28.32 Ltrs.
1m ³ / hr	= 16.67 Lpm.
1m ³ / Sec	= 60000 Lpm.
1 Lit / Sec	= 60 Lpm.

MATERIAL CONSTRUCTION

MOTOR	NO.	DESCRIPTION	V-4	V-6	OPEN WELL
	01	BODY	S.S.	S.S./M.S.	S.S./C.I.
	02	SHAFT	S.S.	S.S./EN-8	S.S./EN-8
	03	T. B. SET	CARBON BEARING WITH S.S. PLATE OR FIBER PLATE		
	04	BUSH	LEADED TIN BRONZE		
	05	WIND. WIRE	E.C. GRADE WRAPPED WIRE		
	06	COUPLE	S.S.	S.S.	

PUMP	NO.	DESCRIPTION	V-4	V-6	OPEN WELL
	01	BODY	S.S.	-	S.S./C.I.
	02	BOWL	NORYL / C.I.	C.I. / S.S.	-
	03	IMPELLER	NORYL / S.S.	G.M. / S.S.	C.I. / S.S.
	04	COUPLE	S.S.	S.S.	S.S.
	05	SHAFT	S.S.	S.S.	S.S.
	06	CASING	-	-	C.I.

V-4 Single Phase Sub. Pump Set Capacitor and Cable Selection Chart

HP	0.5	0.75	1.0	1.5	2.00	3.00
Voltage	230 to 180	230 to 180	230 to 180	230 to 180	230 to 180	230 to 180
Start Capacitor	120 to 150	150 to 200	150 to 200	150 to 200	250 to 300	250 to 300
Run Capacitor	36	36	36 + 15	36 + 15	36 + 25	36 + 36 + 25
Cable Selection	1.5 Sq.mm	1.5 Sq.mm	1.5 Sq.mm	1.5 Sq.mm	2.5 Sq.mm	4 Sq.mm
Ampere	4.5 Amp.	6 Amp.	7.5 Amp.	10.5 Amp.	14 Amp.	17 Amp.
Voltage	170 to 130	170 to 130	170 to 130	170 to 130	170 to 130	170 to 130
Run Capa	36 + 15	36 + 25	36 + 36	36 + 36 + 15	36 + 36 + 36	36 + 36 + 36 + 15
Cable Selection	1.5 Sq.mm	1.5 Sq.mm	2.5 Sq.mm	2.5 Sq.mm	4.5 Sq.mm	6.5 Sq. Mm
Approx Power Consumption KW at Std.V.	0.70 Unit/Hour	1.00 Unit/Hour	1.25 Unit/Hour	1.80 Unit/Hour	2.50 Unit/Hour	3.30 Unit/Hour



CABLE SELECTION CHART (THREE PHASE)

SUBMERSIBLE PUMPSET CABLE SELECTION CHART FOR 415V - 50Hz

LENGTH IN METERS

HP	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500
3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6
4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10
5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10
6	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10	16
7.5S	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	6	6	10	10	10	16	16	16
7.5D	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10
10	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10	16
12.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	6	6	10	10	10	16	16	16
15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16	16	16	16
17.5	4	4	4	4	4	4	4	4	4	4	4	6	6	10	10	10	16	16	16	25	25
20	4	4	4	4	4	4	4	4	4	4	4	10	10	10	10	16	16	16	25	25	35
25	4	4	4	4	4	4	4	4	4	4	4	10	10	10	16	16	15	25	25	25	35
30	6	6	6	6	6	6	6	6	6	6	5	10	10	10	16	16	25	25	25	35	35
40	10	10	10	10	10	10	10	10	10	10	10	16	16	16	25	25	25	35	35	50	50
50	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	35	35	50	50	50	70

CABLE SELECTION CHART (SINGLE PHASE)

SUBMERSIBLE PUMPSET CABLE SELECTION CHART FOR 220V - 50Hz

LENGTH IN METERS

HP	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500
0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10
1	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10	10	16	16
1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10	16	16	16	25	25	25
2	1.5	1.5	2.5	2.5	4	4	4	6	6	6	10	10	10	16	16	16	25	25	25	35	35
3	1.5	1.5	2.5	2.5	4	4	6	6	6	10	10	10	16	16	16	16	25	25	25	35	35
4	1.5	2.5	2.5	4	4	6	6	10	10	10	10	16	16	16	16	25	25	25	35	35	35
5	2.5	2.5	4	4	6	6	10	10	10	10	16	16	16	25	25	25	35	35	50	50	50

Friction Loss in Meter of Water Per Meter of Galvanized Pipe (C-100)

Volume Rate of Flow LMP	Nominal Pipe dia in mm/inches								
	25/1"	32/1.25"	40/1.5"	50/2"	6.5/2.5"	80/3"	100/4"	125/5"	150/6"
30	0.098								
60	0.362	0.1197							
75	0.532	0.1808	0.0748						
96	0.840	0.2856	0.1181	0.0287					
120	1.260	0.4314	0.1785	0.0434					
150		0.0519	0.2697	0.0656	0.0221				
192		1.0293	0.4257	0.1035	0.0349				
240			0.6133	0.1565	0.0528	0.0217			
300			0.9721	0.2362	0.0798	0.0328			
480				0.5641	0.1903	0.0783			
600				0.8523	0.2875	0.1183	0.0291		
760				1.2879	0.4345	0.1788	0.0440		
960				2.0332	0.6859	0.2823	0.0695	0.0235	
1200				3.0727	1.0365	0.4265	0.1051	0.0354	
1500					1.5662	0.6445	0.1588	0.0536	0.0220
1920					2.4728	1.0176	0.2507	0.0846	0.0348
2400						1.5376	0.3788	0.1278	0.0526
2400							0.3788	0.1278	0.0526
3000							0.5724	0.1931	0.0795
3600							0.8020	0.2705	0.1113
4800							1.3656	0.4606	0.1896
6000								0.6960	0.2864
7500								1.0518	0.4328

Friction Loss in Meter of Water Per Meter of PVC Pipe (C-150)

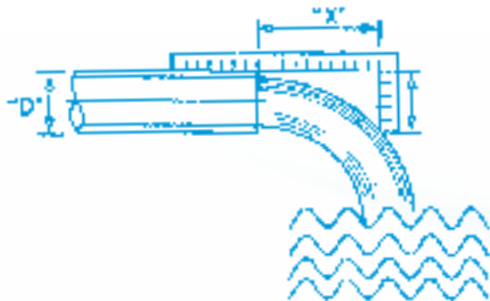
Volume Rate of Flow LMP	Nominal Pipe dia in mm/inches								
	25/1"	32/1.25"	40/1.5"	50/2"	6.5/2.5"	80/3"	100/4"	125/5"	150/6"
30	0.046								
60	0.166	0.0565							
75	0.251	0.0854	0.0353						
96	0.397	0.1349	0.0558	0.0136					
120	1.599	0.2038	0.0843	0.0205					
150		0.3079	0.1274	0.0310	0.0104				
192		0.4861	0.2011	0.0489	0.0165				
240			0.3039	0.0739	0.0249	0.0103			
300			0.4591	0.1117	0.0377	0.0155			
480				0.2661	0.0899	0.0370			
600				0.4025	0.1358	0.0559	0.0139		
760				0.6083	0.2052	0.0844	0.0208		
960				0.9604	0.3240	0.1333	0.0328	0.0111	
1200				1.4513	0.4895	0.2015	0.0496	0.0167	
1500					0.7397	0.3044	0.0750	0.0253	0.0104
1920					1.1679	0.4806	0.1184	0.0399	0.0164
2400						0.7262	0.1789	0.0604	0.0248
2400							0.1789	0.0604	0.0248
3000							0.2703	0.0912	0.0375
3600							0.3788	0.1278	0.0526
4800							0.6150	0.2176	0.0895
6000								0.3288	0.1353
7500								0.4968	0.2044



WATER DISCHARGE RATE TABLE

Horizontal Discharge "X" in inches	Nominal Pipe Diameter "D"								
	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
	Discharge Rate (Q) (Litres Per Minute)								
4	26	44	60	100	141	222	377	590	863
5	32	55	75	127	177	277	472	749	1090
6	39	67	91	150	213	331	567	885	1294
7	45	78	105	177	250	386	663	1044	1521
8	51	89	120	200	281	445	754	1180	1725
9	58	100	135	227	318	499	849	1339	1952
10	64	111	151	250	354	454	954	1475	2156
11	71	118	166	277	390	608	1040	1634	2383
12	77	132	177	300	427	667	1135	1771	2588
13	84	143	195	327	459	722	1226	1930	2815
14	91	154	211	350	495	776	1321	2043	3019
15	97	165	225	377	531	831	1416	2225	3223
16	103	177	240	400	567	790	1512	2361	3450
17	109	188	256	427	604	944	1603	2520	3670
18	116	198	271	449	636	999	1698	2679	3882
19	123	210	286	477	672	1053	1793	2815	4109
20	129	221	301	504	708	1108	1889	2951	4313
21	135	232	316	527	745	1162	1984	3110	4540
22	142	243	331	554	781	1221	2075	3269	4767
23	148	254	345	577	813	1276	2170	3405	4971
24	155	265	360	604	849	1330	2265	3541	5175
25	161	276	375	627	885	1389	2361	3700	4402
26	167	287	390	654	922	1444	2456	3836	5607
27	174	298	405	676	958	1498	2548	3995	5834
28	181	309	421	704	990	1553	2642		
29	187	320	436	726	1026	1607	2738		
30	193	331	451	754	1062	1666	2833		
31			468	776	1099	1721			
32			481	804	1135	1775			
33			495	826	1167	1830			
34			513	854	1203	1884			
35			527	881	1239	1943			
36			540	903	1276	1998			

DISCHARGE OUTPUT CHART



Note :

"X" : Horizontal discharge in inches

"D" : Nominal pipe diameter in

"Q" : Discharge in LPM

STARTER SELECTION TABLE FOR 3 - PHASE

BINTEX - Type OIL FIL STARTERS Selection for Submersible Pump Sets

Direct on Line push button oil immersed motor starter (5 to 20 hp)

Type : BOI

TECHNICAL SPECIFICATION		
400 VOLTS		THREE PHASE
TYPE	HP	R-RANGE
BIO	5.0	6.0 - 10 A
BIO	7.5	9.0 - 14 A
BIO	10.0	13.0 - 21 A
BIO	15.0	20.0 - 32 A
BIO	20.0	25.0 - 35 A

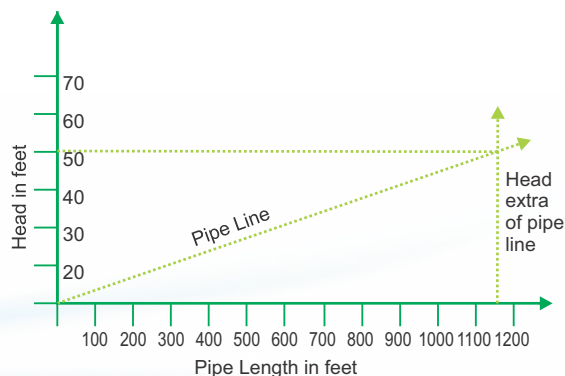
Semi automatic Star delta oil immersed motor starter (7.5 to 60 hp)

Type : BOI

TECHNICAL SPECIFICATION		
TYPE	HP / KW	R-RANGE
BSA	7.5 / 5.5	6.0 - 10A
BSA	10.0 / 7.5	6.0 - 10A
BSA	12.5 / 9.3	9.0 - 14A
BSA	15.0 / 11	9.0 - 14A
BSA	20.0 / 15	13.0 - 21A
BSA	25.0 / 18.6	20.0 - 32A
BSA	30 / 22.5	20.0 - 32A
BSA	35.0 / 26.1	20.0 - 32A
BSA	40.0 / 30	30.0 - 42 A
BSA	50.0 / 37.5	38.0 - 48A
BSA	60.0 / 44.76	42.0 - 54 A

HEAD CALCULATION & PUMP SET SELECTION CHART FOR SPRINKLER SYSTEM

- (1) 13 Mtrs. Operating Head to count for operation of sprinkler.
- (2) Well / Borewell / Sump depth in meters.
- (3) Sprinkler Head maximum to count 3 mtrs.
- (4) Pipeline frictional loss to count 2% of the total pipeline from filter to the end.
- (5) Sprinkler head = sump depth + operating head + 3 mtrs. + 2% of total pipeline in mtrs. + Head loss due to voltage variation + Head extra of pipeline.
- (6) Water supply demand of sprinkler = lpm required by each sprinkler X Number of Sprinklers.





Pumpset Selection for Sprinkler Application

CALCULATION OF TOTAL HEAD

- H1** = Lowering of Pump set in Meter
H2 = Friction losses of Horizontal Pipe line (1% of total length)
H3 = Vertical height of slope (If any slope)
H4 = required pressure in each sprinkler i.e. 1 meter per sprinkler
 (Avg. 1 meter per Sprinkler) x No. of Sprinkler

$$\text{Total Head } H = H1 + H2 + H3 + H4$$

Discharge Calculation :- 30 LPM x Nos. of Sprinkler

Example for Head and discharge calculation :-

30LPM x No. of Sprinklers for 64 Meter Lowering and requirement of sprinkler are 21 with 1400 (427) ft. length of horizontal

Actual lowering of Pump set H1 = **210 feet. (64 Mtr.)**
 Total length of pipe line from the last sprinkler is **1600 ft. (488 Mts.)**
 So that 1% Friction loss (H2) = **5 mtr.**
 Slope in the Line is absent so H3 = **0.**
 21 Sprinklers are required so H4 = **21 meter.**
 Now H = 64+5+0+21 = 90 meter.

21 Sprinkler are required. So that required discharge

$$Q = 30 \text{ LPM} \times 21 = 630 \text{ LPM}$$

Now select the Pumpset from the Performance Table for 630 LMP at 90 Mtr.

Calculation for H.P.

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

Calculation for POWER FACTOR

$$\text{P.F.} = \frac{\text{POWER INPUT}}{(\sqrt{3} \times V \times A)}$$

Calculation for Current

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

So that,

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

Important Formulas :

$$\text{Water horse power} = \text{Pump out put HP} = \frac{\text{Head in mtrs} \times \text{Discharge in 1/min}}{4500}$$

$$\text{Shaft horse power} = \text{Motor output HP} = \frac{\text{Motor input in KW} \times \text{Motor Efficiency in \%}}{73.6}$$

$$\text{Pump efficiency} = \frac{\text{WHP}}{\text{SHP}}$$

$$\text{Overall efficiency} = \frac{\text{Head in mtrs.} \times \text{Discharge in 1/min}}{6120 \times \text{motor input in KW}}$$



Our Achievement Certificates

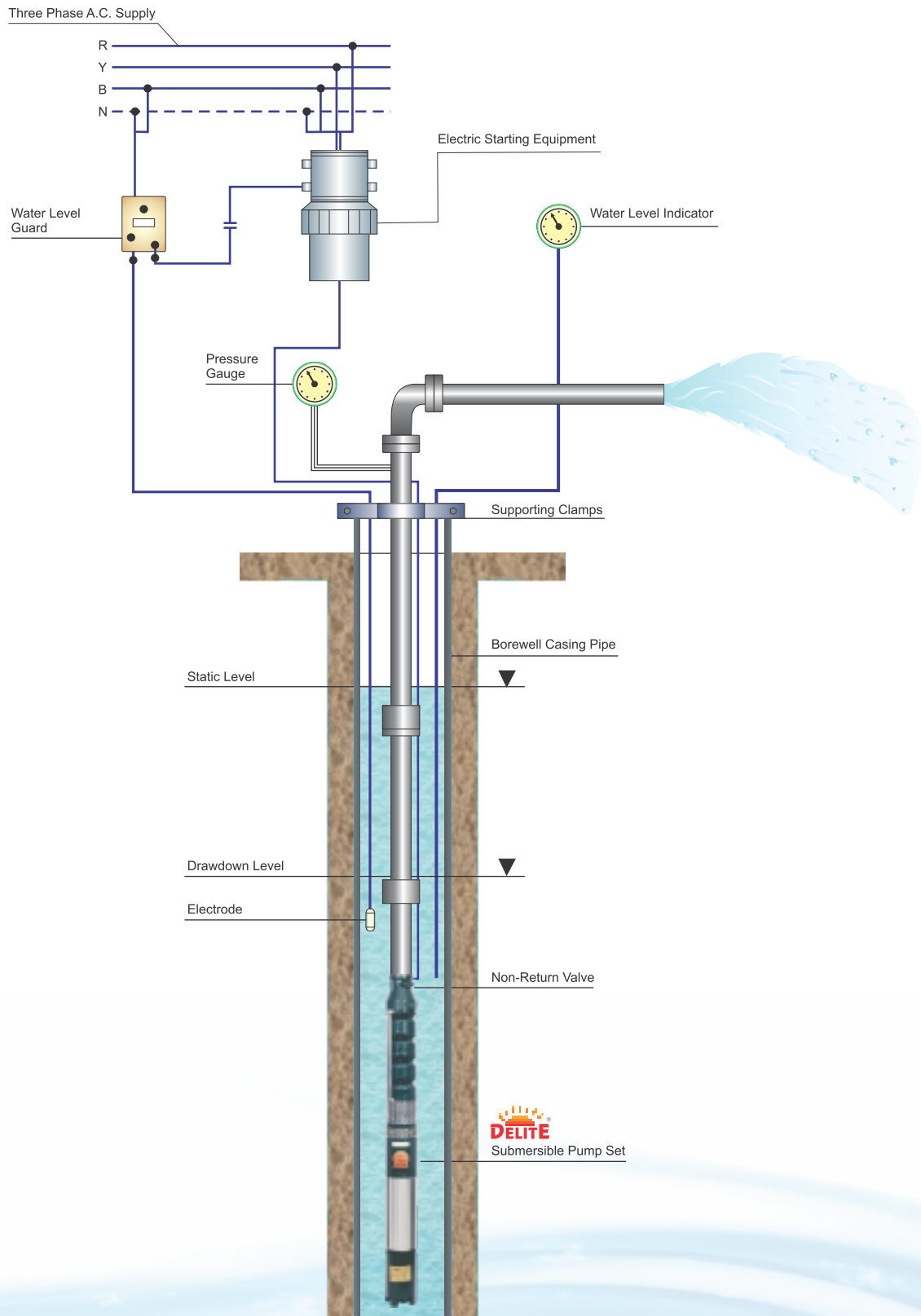


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40 & 42, Tirupati Estate, B/h. Amber Cinema, Bapunagar, Ahmedabad-380 024.

Phone : +91-79-22746175 **Fax :** +91-79-22776175 **Works :** +91-79-22776177

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