



**V-4
STD**

SUBMERSIBLE PUMPSET

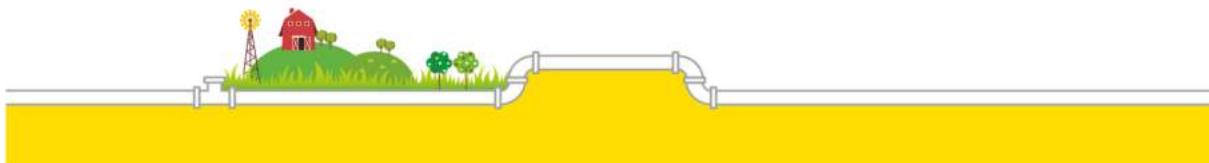
SPECIFICATIONS	
Power Range	0.37 kW to 5.5 kW (0.50 HP to 7.50 HP)
Speed	2800 RPM
Version : Single Phase 160V to 230V, Three Phase 350 to 415V, 50Hz AC Supply. (Single Phase Available in 0.5 HP to 5.0 HP/Three Phase Available in 1HP to 5.0HP)	
Maximum Total Head	20 Mtr. to 415 Mtr.
Maximum Flow Rate	450 LPM to 10 LPM
Nominal Outlet size in inches	1.00, 1.25, 1.50, 2.00 & 2.50 Inches
Degree of Protection	IP 58
Maximum outer Diameter in mm	Suitable for 100mm bore
Direction of Rotation	Counter clockwise from driving end -1 Ph, Electrically Reversible -3 Ph
Mini. Cooling flow along the motor	0.15 m/sec.
Type of Duty	S1 (Continues)
Method of Starting	1ph-Capa. Start Capa. Run (CSCR):3ph - Direct Online
Maximum Starts per hour	10 times

FEATURES
<ul style="list-style-type: none"> ● High Operating efficiency ● Precise part for hygiene, Highly durable Extremely hardwearing water lubricated bushes. ● Good resistance to sand ● Water cooled rewindable motor Can be easily dismantled and repaired Can handle up thrust loads. ● Unique SINGLE PIECE STAINLESS STEEL MOTOR BODY design - More strength. Designed for wide voltage fluctuations.

APPLICATIONS
<ul style="list-style-type: none"> ▪ Residence ▪ Small Farms ▪ Nurseries ▪ Hotels ▪ Small Industries ▪ Gardens & Fountains

PUMPED LIQUIDS
Clean, thin, non-aggressive, non-explosive, clear cold, fresh water without solid particles or fibre.

MOTOR	PUMP
Motor Shaft : Stainless Steel AISI 410	Bowl& Impeller : Modified PPGF (Noryl)
Motor Body Pipe : Stainless Steel AISI 202	Suction& NRV : CI FG:200
Casting Part : CI FG:200	Pump Shaft : Stainless Steel AISI 410
Thrust Bearing : Carbon v/s S.S., Teflon	Pump casing : Stainless Steel AISI 202
Motor Bush : LTB-4	All Hardware : Stainless Steel
Stamping : Silicon Steel	Pump Bush : NBR / LTB4
Copper : EC Grade 99.9%	Pump Sleeve / Coupling : SS-410
Winding Wire : Multilayer Polyester Insu.	
Oil Seal : NBR	



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Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD	Radial Flow	Modified PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 97 mm Pump - 90 mm	100 mm Borewell

Max. Head Per Stage : 20 Feet

DISCHARGE IN L.P.M.					0	12	18	23	26	32	36	45
Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
					1	FM40STD-0512	0.50	12	1.00"	73	66	60
2	FM40STD-0718	0.75	18	1.00"	110	99	90	81	72	63	54	36
3	FM40STD-1021	1.00	21	1.00"	128	116	105	95	84	74	63	42
4	FM40STD-1528	1.50	28	1.00"	171	154	140	126	112	98	84	56
5	FM40STD-2035	2.00	35	1.25"	214	193	175	158	140	123	105	70
6	FM40STD-3040	3.00	40	1.25"	244	220	200	180	160	140	120	80
7	FM40STD-4045	4.00	45	1.25"	275	248	225	203	180	158	135	90
8	FM40STD-5050	5.00	50	1.25"	305	275	250	225	200	175	150	100
9	FM40STD-6055	6.00	55	1.25"	336	303	275	248	220	193	165	110
10	FM40STD-7560	7.50	60	1.25"	366	330	300	270	240	210	180	120

Max. Head Per Stage : 20 Feet

DISCHARGE IN L.P.M.					0	14	22	28	34	42	46	56
Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
					1	* FM41STD-0510	0.50	10	1.00"	61	55	50
2	* FM41STD-0712	0.75	12	1.00"	73	66	60	54	48	42	36	24
3	* FM41STD-0715	0.75	15	1.00"	92	83	75	68	60	53	45	30
4	* FM41STD-1018	1.00	18	1.00"	110	99	90	81	72	63	54	36
5	* FM41STD-1525	1.50	25	1.00"	153	138	125	113	100	88	75	50
6	* FM41STD-2030	2.00	30	1.25"	183	165	150	135	120	105	90	60
7	* FM41STD-3035	3.00	35	1.25"	214	193	175	158	140	123	105	70
8	* FM41STD-4040	4.00	40	1.25"	244	220	200	180	160	140	120	80
9	FM41STD-5045	5.00	45	1.25"	275	248	225	203	180	158	135	90
10	FM41STD-6050	6.00	50	1.25"	305	275	250	225	200	175	150	100
11	FM41STD-7555	7.50	55	1.25"	336	303	275	248	220	193	165	110

Max. Head Per Stage : 20 Feet

DISCHARGE IN L.P.M.					0	30	36	43	48	52	60	70
Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
					1	* FM42STD-0507	0.50	7	1.00"	43	39	35
2	* FM42STD-0710	0.75	10	1.00"	61	55	50	45	40	35	30	20
3	* FM42STD-1012	1.00	12	1.00"	73	66	60	54	48	42	36	24
4	FM42STD-1015	1.00	15	1.00"	92	83	75	68	60	53	45	30
5	* FM42STD-1520	1.50	20	1.00"	122	110	100	90	80	70	60	40
6	* FM42STD-2025	2.00	25	1.00"	153	138	125	113	100	88	75	50
7	* FM42STD-3030	3.00	30	1.25"	183	165	150	135	120	105	90	60
8	* FM42STD-4035	4.00	35	1.25"	214	193	175	158	140	123	105	70
9	* FM42STD-5040	5.00	40	1.25"	244	220	200	180	160	140	120	80
10	FM42STD-6045	6.00	45	1.25"	275	248	225	203	180	158	135	90
11	FM42STD-7550	7.50	50	1.25"	305	275	250	225	200	175	150	100



Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD	Radial Flow	Modified PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 97 mm Pump - 90 mm	100 mm Borewell

 Max. Head Per Stage : **20 Feet**

Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.							
					0	42	58	70	78	85	94	108
					Total Head in Meters							
1	* FM44STD-0505	0.50	5	1.25"	31	28	25	23	20	18	15	10
2	* FM44STD-0708	0.75	8	1.25"	49	44	40	36	32	28	24	16
3	* FM44STD-1010	1.00	10	1.25"	61	55	50	45	40	35	30	20
4	FM44STD-1512	1.50	12	1.25"	73	66	60	54	48	42	36	24
5	* FM44STD-1515	1.50	15	1.25"	92	83	75	68	60	53	45	30
6	* FM44STD-2020	2.00	20	1.25"	122	110	100	90	80	70	60	40
7	* FM44STD-3025	3.00	25	1.25"	153	138	125	113	100	88	75	50
8	* FM44STD-4030	4.00	30	1.25"	183	165	150	135	120	105	90	60
9	FM44STD-5030	5.00	30	1.25"	183	165	150	135	120	105	90	60
10	* FM44STD-5035	5.00	35	1.25"	214	193	175	158	140	123	105	70
11	FM44STD-6035	6.00	35	1.25"	215	193	175	158	140	123	105	70
12	FM44STD-6040	6.00	40	1.25"	244	220	200	180	160	140	120	80
13	FM44STD-7540	7.50	40	1.25"	244	220	200	180	160	140	120	80
14	FM44STD-7545	7.50	45	1.25"	275	248	225	203	180	158	135	90

 Max. Head Per Stage : **20 Feet**

Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.							
					0	45	68	86	99	112	120	140
					Total Head in Meters							
1	* FM45STD-0706	0.75	6	1.50"	37	33	30	27	24	21	18	12
2	* FM45STD-1008	1.00	8	1.50"	49	44	40	36	32	28	24	16
3	* FM45STD-1510	1.50	10	1.50"	61	55	50	45	40	35	30	20
4	* FM45STD-2015	2.00	15	1.50"	92	83	75	68	60	53	45	30
5	* FM45STD-3020	3.00	20	1.50"	122	110	100	90	80	70	60	40
6	FM45STD-4022	4.00	22	1.50"	134	121	110	99	88	77	66	44
7	* FM45STD-5025	5.00	25	1.50"	153	138	125	113	100	88	75	50
8	FM45STD-6030	6.00	30	1.50"	183	165	150	135	120	105	90	60
9	FM45STD-7535	7.50	35	1.50"	214	193	175	158	140	123	105	70

 Max. Head Per Stage : **20 Feet**

Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.							
					0	85	100	120	135	145	160	175
					Total Head in Meters							
1	* FM47STD-1060	1.00	6	2.00"	37	33	30	27	24	21	18	12
2	* FM47STD-1508	1.50	8	2.00"	49	44	40	36	32	28	24	16
3	* FM47STD-2012	2.00	12	2.00"	73	66	60	54	48	42	36	24
4	* FM47STD-3015	3.00	15	2.00"	92	83	75	68	60	53	45	30
5	* FM47STD-4018	4.00	18	2.00"	110	99	90	81	72	63	54	36
6	* FM47STD-5020	5.00	20	2.00"	122	110	100	90	80	70	60	40
7	FM47STD-6025	6.00	25	2.00"	153	138	125	113	100	88	75	50
8	FM47STD-7530	7.50	30	2.00"	183	165	150	120	120	105	90	60



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V4 STD	Radial Flow	Modified PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 97 mm Pump - 90 mm	100 mm Borewell

Max. Head Per Stage : 20 Feet

FM4-10STD	DISCHARGE IN L.P.M.					0	80	105	125	145	160	172	210
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	* FM410STD-1005	1.00	5	2.00"	31	28	25	23	20	18	15	10
2	* FM410STD-1507	1.50	7	2.00"	43	39	35	32	28	25	21	14	
3	* FM410STD-2010	2.00	10	2.00"	61	55	50	45	40	35	30	20	
4	* FM410STD-3012	3.00	12	2.00"	73	66	60	54	48	42	36	24	
5	* FM410STD-4015	4.00	15	2.00"	92	83	75	68	60	53	45	30	
6	* FM410STD-5018	5.00	18	2.00"	110	99	90	81	72	63	54	36	
7	FM410STD-6022	6.00	22	2.00"	134	121	110	99	88	77	66	44	
8	FM410STD-7525	7.50	25	2.00"	153	138	125	113	100	88	75	50	

Max. Head Per Stage : 20 Feet

FM4-12STD	DISCHARGE IN L.P.M.					0	85	110	130	150	165	185	215
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	* FM412STD-1506	1.50	6	2.00"	37	33	30	27	24	21	18	12
2	* FM412STD-2008	2.00	8	2.00"	49	44	40	36	32	28	24	16	
3	* FM412STD-3010	3.00	10	2.00"	61	55	50	45	40	35	30	20	
4	* FM412STD-4012	4.00	12	2.00"	73	66	60	54	48	42	36	24	
5	* FM412STD-5015	5.00	15	2.00"	92	83	75	68	60	53	45	30	
6	FM412STD-6020	6.00	20	2.00"	122	110	100	90	80	70	60	40	
7	FM412STD-7522	7.50	22	2.00"	134	121	110	99	88	77	66	44	

Max. Head Per Stage : 20 Feet

FM4-18STD	DISCHARGE IN L.P.M.					0	65	125	165	210	255	295	330
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM418STD-2006	2.00	6	2.50"	37	34	30	28	24	22	18	12
2	FM418STD-3008	3.00	8	2.50"	50	45	40	37	32	29	28	16	
3	FM418STD-4010	4.00	10	2.50"	61	50	45	40	35	30	25	20	
4	FM418STD-5012	5.00	12	2.50"	73	60	54	48	42	36	30	24	
5	FM418STD-6015	6.00	15	2.50"	92	75	68	60	53	45	38	30	
6	FM418STD-7518	7.50	18	2.50"	118	90	81	72	63	54	45	36	

