



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	1.25, 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	



**V-4
STD**

HIGH HEAD SUBMERSIBLE PUMPSET



Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD HH	Radial Flow	Modified PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 98 mm Pump - 92 mm	100 mm Borewell

Max. Head Per Stage : 25 Feet

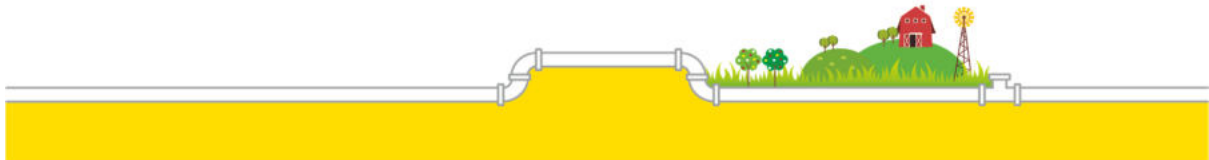
Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.								
					0	10	15	20	25	28	37	45	
					Total Head in Meters								
FM4-1STDH	1	FM41STDH-0507	0.50	7	1.25"	54	49	46	42	39	35	28	21
	2	FM41STDH-0712	0.75	12	1.25"	92	84	78	72	66	60	48	36
	3	FM41STDH-1015	1.00	15	1.25"	115	105	98	90	83	75	60	45
	4	FM41STDH-1522	1.50	22	1.25"	168	154	143	132	121	110	88	66
	5	FM41STDH-2028	2.00	28	1.25"	214	196	182	168	154	140	112	84
	6	FM41STDH-3035	3.00	35	1.25"	268	245	228	210	193	175	140	105
	7	FM41STDH-4040	4.00	40	1.25"	306	280	260	240	220	200	160	120
	8	FM41STDH-5045	5.00	45	1.25"	344	315	292	270	247	225	180	135
	9	FM41STDH-6050	6.00	50	1.25"	383	350	326	300	276	250	200	150
	10	FM41STDH-7555	7.50	55	1.25"	421	388	360	334	305	275	222	165

Max. Head Per Stage : 25 Feet

Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.								
					0	15	20	25	30	35	45	60	
					Total Head in Meters								
FM4-2STDH	1	FM42STDH-0506	0.50	6	1.25"	46	42	39	36	33	30	24	18
	2	FM42STDH-0710	0.75	10	1.25"	77	70	65	60	55	50	40	30
	3	FM42STDH-1012	1.00	12	1.25"	92	84	78	72	66	60	48	36
	4	FM42STDH-1518	1.50	18	1.25"	138	126	117	108	99	90	72	54
	5	FM42STDH-2025	2.00	25	1.25"	191	175	163	150	138	125	100	75
	6	FM42STDH-3030	3.00	30	1.25"	230	210	195	180	165	150	120	90
	7	FM42STDH-4035	4.00	35	1.25"	268	245	227	210	192	175	140	105
	8	FM42STDH-5040	5.00	40	1.25"	306	280	260	240	220	200	160	120
	9	FM42STDH-6045	6.00	45	1.25"	344	315	292	270	248	225	180	135
	10	FM42STDH-7550	7.50	50	1.25"	383	350	320	300	275	250	200	150

Max. Head Per Stage : 25 Feet

Sr.	Model	H.P.	STG	Del in Inch	DISCHARGE IN L.P.M.								
					0	20	30	40	50	55	65	80	
					Total Head in Meters								
FM4-3STDH	1	FM43STDH-0505	0.50	5	1.25"	38	35	33	30	28	25	20	15
	2	FM43STDH-0708	0.75	8	1.25"	61	56	52	48	44	40	32	24
	3	FM43STDH-1010	1.00	10	1.25"	77	70	65	60	55	50	40	30
	4	FM43STDH-1515	1.50	15	1.25"	115	105	98	90	83	75	60	45
	5	FM43STDH-2020	2.00	20	1.25"	153	140	130	120	110	100	80	60
	6	FM43STDH-3025	3.00	25	1.25"	191	175	163	150	138	125	100	75
	7	FM43STDH-4030	4.00	30	1.25"	230	210	195	180	165	150	120	90
	8	FM43STDH-5035	5.00	35	1.25"	268	245	227	210	192	175	140	105
	9	FM43STDH-6040	6.00	40	1.25"	306	280	260	240	220	200	160	120
	10	FM43STDH-7545	7.50	45	1.25"	344	315	292	270	248	225	180	135



Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD HH	Radial Flow	Modified PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 98 mm Pump - 92 mm	100 mm Borewell

Max. Head Per Stage : 25 Feet

FM4-4STDHH	DISCHARGE IN L.P.M.				0	35	50	58	65	75	85	95
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM44STDHH-0706	0.75	6	1.50"	46	42	39	36	33	30	24
2	FM44STDHH-1008	1.00	8	1.50"	61	56	52	48	44	40	32	24
3	FM44STDHH-1512	1.50	12	1.50"	92	84	78	72	66	60	48	36
4	FM44STDHH-2015	2.00	15	1.50"	115	105	98	90	83	75	60	45
5	FM44STDHH-3020	3.00	20	1.50"	153	140	130	120	110	100	80	60
6	FM44STDHH-4025	4.00	25	1.50"	191	175	162	150	137	125	100	75
7	FM44STDHH-5030	5.00	30	1.50"	230	210	195	180	165	150	120	90
8	FM44STDHH-6035	6.00	35	1.50"	268	245	227	210	192	175	140	105
9	FM44STDHH-7540	7.50	40	1.50"	306	280	260	240	220	200	160	120

Max. Head Per Stage : 25 Feet

FM4-5STDHH	DISCHARGE IN L.P.M.				0	45	55	70	80	90	110	125
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM45STDHH-0705	0.75	5	1.50"	38	35	33	30	28	25	20
2	FM45STDHH-1006	1.00	6	1.50"	46	42	39	36	33	30	24	18
3	FM45STDHH-1510	1.50	10	1.50"	77	70	65	60	55	50	40	20
4	FM45STDHH-2012	2.00	12	1.50"	92	84	78	72	66	60	48	36
5	FM45STDHH-3017	3.00	17	1.50"	130	119	111	102	94	85	68	51
6	FM45STDHH-4020	4.00	20	1.50"	153	140	130	120	110	100	80	60
7	FM45STDHH-5025	5.00	25	1.50"	191	175	162	150	137	125	100	75
8	FM45STDHH-6030	6.00	30	1.50"	230	210	195	180	165	150	120	90
9	FM45STDHH-7535	7.50	35	1.50"	268	245	227	210	192	175	140	105

Max. Head Per Stage : 25 Feet

FM4-7STDHH	DISCHARGE IN L.P.M.				0	60	72	85	95	110	125	145
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM47STDHH-1005	1.00	5	2.00"	38	35	33	30	28	25	20
2	FM47STDHH-1508	1.50	8	2.00"	61	56	52	48	44	40	32	24
3	FM47STDHH-2010	2.00	10	2.00"	77	70	65	60	55	50	40	30
4	FM47STDHH-3015	3.00	15	2.00"	115	105	98	90	83	75	60	45
5	FM47STDHH-4017	4.00	17	2.00"	130	119	110	102	93	85	68	51
6	FM47STDHH-5020	5.00	20	2.00"	153	140	130	120	110	100	80	60
7	FM47STDHH-6025	6.00	25	2.00"	191	175	162	150	137	125	100	75
8	FM47STDHH-7530	7.50	30	2.00"	230	210	195	180	165	150	120	90



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HIGH HEAD SUBMERSIBLE PUMPSET



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Max. Head Per Stage : 25 Feet

FM4-11STDH	DISCHARGE IN L.P.M.				0	115	135	160	170	195	215	225
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM411STDH-1506	1.50	6	2.00"	37	30	27	24	21	18	15
2	FM411STDH-2008	2.00	8	2.00"	49	40	36	32	28	24	20	16
3	FM411STDH-3012	3.00	12	2.00"	73	60	54	48	42	36	30	24
4	FM411STDH-4015	4.00	15	2.00"	92	75	68	60	53	45	38	30
5	FM411STDH-5017	5.00	17	2.00"	104	85	76	68	60	51	42	34
6	FM411STDH-6021	6.00	21	2.00"	128	147	136	126	115	105	84	63
7	FM411STDH-7525	7.50	25	2.00"	153	175	150	150	137	125	100	75

Max. Head Per Stage : 25 Feet

FM4-18STDH	DISCHARGE IN L.P.M.				0	110	150	215	260	310	360	400
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM418STDH-2007	2.00	7	2.50"	39	35	32	28	25	21	18
2	FM418STDH-3009	3.00	9	2.50"	50	45	41	36	32	27	23	18
3	FM418STDH-4011	4.00	11	2.50"	61	55	50	44	39	33	28	22
4	FM418STDH-5014	5.00	14	2.50"	77	70	63	56	49	42	35	28
5	FM418STDH-6016	6.00	16	2.50"	88	80	72	64	56	48	40	32
6	FM418STDH-7518	7.50	18	2.50"	99	90	81	72	63	54	45	36

Max. Head Per Stage : 25 Feet

FM4-20STDH	DISCHARGE IN L.P.M.				0	150	200	275	320	370	405	455
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM420STDH-2005	2.00	5	2.50"	29	25	23	20	18	15	13
2	FM420STDH-3007	3.00	7	2.50"	41	35	32	28	25	21	18	14
3	FM420STDH-4009	4.00	9	2.50"	52	45	41	36	32	27	23	18
4	FM420STDH-5011	5.00	11	2.50"	64	55	50	44	39	33	28	22
5	FM420STDH-6014	6.00	14	2.50"	77	70	63	56	49	42	35	28
6	FM420STDH-7516	7.50	16	2.50"	88	80	72	64	56	48	40	32

