

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 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

- 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

- Residence
- Hotels
- Small Farms
- Small Industries
- Nurseries
- Gardens & Fountains

PUMPED LIQUIDS

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

MOTOR

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		

PUMP

**V-4
STD****HIGH HEAD TURBO SUBMERSIBLE PUMPSET**

Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD HH TURBO	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**

FM4-1STDHH TURBO	DISCHARGE IN L.P.M.					0	10	15	20	25	28	37	45
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM41TSTDHH-0507	0.50	7	1.25"	54	49	46	42	39	35	28	21
	2	FM41TSTDHH-0712	0.75	12	1.25"	92	84	78	72	66	60	48	36
	3	FM41TSTDHH-1015	1.00	15	1.25"	115	105	98	90	83	75	60	45
	4	FM41TSTDHH-1522	1.50	22	1.25"	168	154	143	132	121	110	88	66
	5	FM41TSTDHH-2028	2.00	28	1.25"	214	196	182	168	154	140	112	84
	6	FM41TSTDHH-3035	3.00	35	1.25"	268	245	228	210	193	175	140	105
	7	FM41TSTDHH-4040	4.00	40	1.25"	306	280	260	240	220	200	160	120
	8	FM41TSTDHH-5045	5.00	45	1.25"	344	315	292	270	247	225	180	135
	9	FM41TSTDHH-6050	6.00	50	1.25"	383	350	326	300	276	250	200	150
	10	FM41TSTDHH-7555	7.50	55	1.25"	421	388	360	334	305	275	222	165

Max. Head Per Stage : **25 Feet**

FM4-2STDHH TURBO	DISCHARGE IN L.P.M.					0	15	20	25	30	35	45	60
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM42TSTDHH-0506	0.50	6	1.25"	46	42	39	36	33	30	24	18
	2	FM42TSTDHH-0710	0.75	10	1.25"	77	70	65	60	55	50	40	30
	3	FM42TSTDHH-1012	1.00	12	1.25"	92	84	78	72	66	60	48	36
	4	FM42TSTDHH-1518	1.50	18	1.25"	138	126	117	108	99	90	72	54
	5	FM42TSTDHH-2025	2.00	25	1.25"	191	175	163	150	138	125	100	75
	6	FM42TSTDHH-3030	3.00	30	1.25"	230	210	195	180	165	150	120	90
	7	FM42TSTDHH-4035	4.00	35	1.25"	268	245	227	210	192	175	140	105
	8	FM42TSTDHH-5040	5.00	40	1.25"	306	280	260	240	220	200	160	120
	9	FM42TSTDHH-6045	6.00	45	1.25"	344	315	315	270	248	225	180	135
	10	FM42TSTDHH-7550	7.50	50	1.25"	383	350	350	300	275	250	200	150

Max. Head Per Stage : **25 Feet**

FM4-3STDHH TURBO	DISCHARGE IN L.P.M.					0	20	30	40	50	55	65	80
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM43TSTDHH-0505	0.50	5	1.25"	38	35	33	30	28	25	20	15
	2	FM43TSTDHH-0708	0.75	8	1.25"	61	56	52	48	44	40	32	24
	3	FM43TSTDHH-1010	1.00	10	1.25"	77	70	65	60	55	50	40	30
	4	FM43TSTDHH-1515	1.50	15	1.25"	115	105	98	90	83	75	60	45
	5	FM43TSTDHH-2020	2.00	20	1.25"	153	140	130	120	110	100	80	60
	6	FM43TSTDHH-3025	3.00	25	1.25"	191	175	163	150	138	125	100	75
	7	FM43TSTDHH-4030	4.00	30	1.25"	230	210	195	180	165	150	120	90
	8	FM43TSTDHH-5035	5.00	35	1.25"	268	245	227	210	192	175	140	105
	9	FM43TSTDHH-6040	6.00	40	1.25"	306	280	260	240	220	200	160	120
	10	FM43TSTDHH-7545	7.50	45	1.25"	344	315	292	270	248	225	180	135

**V-4
STD**

HIGH HEAD TURBO SUBMERSIBLE PUMPSET

Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD HH TURBO	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 TURBO	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	FM44TSTDHH-0706	0.75	6	1.50"	46	42	39	36	33	30	24	18
	2	FM44TSTDHH-1008	1.00	8	1.50"	61	56	52	48	44	40	32	24
	3	FM44TSTDHH-1512	1.50	12	1.50"	92	84	78	72	66	60	48	36
	4	FM44TSTDHH-2015	2.00	15	1.50"	115	105	98	90	83	75	60	45
	5	FM44TSTDHH-3020	3.00	20	1.50"	153	140	130	120	110	100	80	60
	6	FM44TSTDHH-4025	4.00	25	1.50"	191	175	162	150	137	125	100	75
	7	FM44TSTDHH-5030	5.00	30	1.50"	230	210	195	180	165	150	120	90
	8	FM44TSTDHH-6035	6.00	35	1.50"	268	245	227	210	192	175	140	105
	9	FM44TSTDHH-7540	7.50	40	1.50"	306	280	260	240	220	200	160	120

Max. Head Per Stage : 25 Feet

FM4-5STDHH TURBO	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	FM45TSTDHH-0705	0.75	5	1.50"	38	35	33	30	28	25	20	15
	2	FM45TSTDHH-1006	1.00	6	1.50"	46	42	39	36	33	30	24	18
	3	FM45TSTDHH-1510	1.50	10	1.50"	77	70	65	60	55	50	40	20
	4	FM45TSTDHH-2012	2.00	12	1.50"	92	84	78	72	66	60	48	36
	5	FM45TSTDHH-3017	3.00	17	1.50"	130	119	111	102	94	85	68	51
	6	FM45TSTDHH-4020	4.00	20	1.50"	153	140	130	120	110	100	80	60
	7	FM45TSTDHH-5025	5.00	25	1.50"	191	175	162	150	137	125	100	75
	8	FM45TSTDHH-6030	6.00	30	1.50"	230	210	195	180	165	150	120	90
	9	FM45TSTDHH-7535	7.50	35	1.50"	268	245	227	210	192	175	140	105

Max. Head Per Stage : 25 Feet

FM4-7STDHH TURBO	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	FM47TSTDHH-1005	1.00	5	2.00"	38	35	33	30	28	25	20	15
	2	FM47TSTDHH-1508	1.50	8	2.00"	61	56	52	48	44	40	32	24
	3	FM47TSTDHH-2010	2.00	10	2.00"	77	70	65	60	55	50	40	30
	4	FM47TSTDHH-3015	3.00	15	2.00"	115	105	98	90	83	75	60	45
	5	FM47TSTDHH-4017	4.00	17	2.00"	130	119	110	102	93	85	68	51
	6	FM47TSTDHH-5020	5.00	20	2.00"	153	140	130	120	110	100	80	60
	7	FM47TSTDHH-6025	6.00	25	2.00"	191	175	162	150	137	125	100	75
	8	FM47TSTDHH-7530	7.50	30	2.00"	230	210	195	180	165	150	120	90

**V-4
STD****HIGH HEAD TURBO SUBMERSIBLE PUMPSET**

Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD HH TURBO	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**

FM4-11STDHH TURBO	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	FM411TSTDHH-1506	1.50	6	2.00"	37	30	27	24	21	18	15	12
	2	FM411TSTDHH-2008	2.00	8	2.00"	49	40	36	32	28	24	20	16
	3	FM411TSTDHH-3012	3.00	12	2.00"	73	60	54	48	42	36	30	24
	4	FM411TSTDHH-4015	4.00	15	2.00"	92	75	68	60	53	45	38	30
	5	FM411TSTDHH-5017	5.00	17	2.00"	104	85	76	68	60	51	42	34
	6	FM411TSTDHH-6021	6.00	21	2.00"	128	147	136	126	115	105	84	63
	7	FM411TSTDHH-7525	7.50	25	2.00"	153	175	150	150	137	125	100	75

Max. Head Per Stage : **25 Feet**

FM4-18STDHH TURBO	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	FM418TSTDHH-2007	2.00	7	2.00"	39	35	32	28	25	21	18	14
	2	FM418TSTDHH-3009	3.00	9	2.00"	50	45	41	36	32	27	23	18
	3	FM418TSTDHH-4011	4.00	11	2.00"	61	55	50	44	39	33	28	22
	4	FM418TSTDHH-5014	5.00	14	2.00"	77	70	63	56	49	42	35	28
	5	FM418TSTDHH-6016	6.00	16	2.00"	88	80	72	64	56	48	40	32
	6	FM418TSTDHH-7518	7.50	18	2.00"	99	90	81	72	63	54	45	36

Max. Head Per Stage : **25 Feet**

FM4-20STDHH TURBO	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	FM420TSTDHH-2005	2.00	5	2.00"	29	25	23	20	18	15	13	10
	2	FM420TSTDHH-3007	3.00	7	2.00"	41	35	32	28	25	21	18	14
	3	FM420TSTDHH-4009	4.00	9	2.00"	52	45	41	36	32	27	23	18
	4	FM420TSTDHH-5011	5.00	11	2.00"	64	55	50	44	39	33	28	22
	5	FM420TSTDHH-6014	6.00	14	2.00"	77	70	63	56	49	42	35	28
	6	FM420TSTDHH-7516	7.50	16	2.00"	88	80	72	64	56	48	40	32