

V-5
MIX FLOW SUBMERSIBLE PUMPSET



SPECIFICATIONS

Power Range	2.2 kW to 11 kW (3.0 HP to 15 HP)
Speed	2800 RPM
Version : Single Phase 180V to 230V, Three Phase 350 to 415V, 50Hz AC Supply. (Single Phase Available in 3.0 HP to 5.0 HP)	
Maximum Total Head	60 Mtr. to 400 Mtr.
Maximum Flow Rate	670 LPM to 40 LPM
Nominal Outlet size in inches	2.50 Inches
Degree of Protection	IP 58
Maximum outer Diameter in mm	Suitable for 125 mm 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-Capacitor Start Capacitor Run (CSCR) up to 2.2 kW, 3ph Direct Online (D.O.L.) up to 5.5 kW, Star Delta (SD) up to 9.3 kW
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
- Small Farms
- Hotels
- Fire Fighting
- Pressure Boosting
- Small Industries
- Gardens and Fountains
- Civil water supply

PUMPED LIQUIDS

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

MOTOR

Motor Shaft	: Stainless Steel AISI 410
Motor Body Pipe	: Stainless Steel AISI 202
Casting Part	: CI FG:200
Thrust Bearing	: Carbon v/s S.S.
Motor Bush	: LTB-4
Stamping	: Electrical Steel
Copper	: EC Grade 99.9%
Winding Wire	: Multilayer Polyester Insu.
Oil Seal	: NBR

PUMP

Bowl	: C.I. FG:200
Impeller	: SS 410
Suction& NRV	: CI FG:200
Pump Shaft	: Stainless Steel AISI 410
Pump casing	: Stainless Steel AISI 202
All Hardware	: Stainless Steel
Pump Bush	: NBR / LTB4
Pump Sleeve / Coupling	: SS-410



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Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V5 MF	Mix Flow	C.I. Bowl S.S. 410 Impeller	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 125 mm Pump - 122 mm	125 mm Borewell

Max. Head Per Stage : 35 Feet

FM5-80 MIX FLOW	DISCHARGE IN L.P.M.					0	150	310	430	510	575	640	690
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM580MF-3004	3.00	4	2.50"	36	32	28	24	20	16	12	8
2	FM580MF-4005	4.00	5	2.50"	45	40	35	30	25	20	15	10	
3	FM580MF-5006	5.00	6	2.50"	54	48	42	36	30	24	18	12	
4	FM580MF-6008	6.00	8	2.50"	72	64	56	48	40	32	24	16	
5	FM580MF-7510	7.50	10	2.50"	90	80	70	60	50	40	30	20	
6	FM580MF-10012	10.00	12	2.50"	108	96	84	72	60	48	36	24	

Max. Head Per Stage : 35 Feet

FM5-100 MIX FLOW	DISCHARGE IN L.P.M.					0	275	410	500	570	645	700	730
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM5100MF-3003	3.00	3	2.50"	27	24	21	18	15	12	9	6
2	FM5100MF-4004	4.00	4	2.50"	36	32	28	24	20	16	12	8	
3	FM5100MF-5005	5.00	5	2.50"	45	40	35	30	25	20	15	10	
4	FM5100MF-6006	6.00	6	2.50"	54	48	42	36	30	24	18	12	
5	FM5100MF-7508	7.50	8	2.50"	72	64	56	48	40	32	24	16	
6	FM5100MF-10010	10.00	10	2.50"	90	80	70	60	50	40	30	20	

Max. Head Per Stage : 35 Feet

FM5-125 MIX FLOW	DISCHARGE IN L.P.M.					0	245	400	510	590	650	695	740
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM5125MF-4003	4.00	3	2.50"	30	27	24	21	18	15	12	9
2	FM5125MF-5004	5.00	4	2.50"	40	36	32	28	24	20	16	12	
3	FM5125MF-6005	6.00	5	2.50"	50	45	40	35	30	25	20	15	
4	FM5125MF-7506	7.50	6	2.50"	60	54	48	42	36	30	24	18	
5	FM5125MF-10008	10.00	8	2.50"	80	72	64	56	48	40	32	24	

