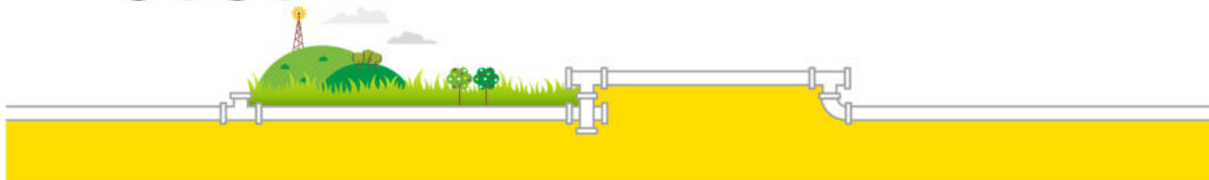




## V-6 MIX FLOW SUBMERSIBLE PUMPSET



### SPECIFICATIONS

Power Range	2.2 kW to 14.7 kW (3.0 HP to 20 HP)
Speed	2800 RPM
Version	Three Phase 350V to 415V, 50Hz AC Supply.
Maximum Total Head	35 Mtr. to 790 Mtr.
Maximum Flow Rate	1350 LPM to 65 LPM
Nominal Outlet size in inches	2.50 & 3.00 Inches
Degree of Protection	IP 58
Maximum outer Diameter in mm	Suitable for 150mm bore
Direction of Rotation	Electrically Reversible -3 ph
Mini. Cooling flow along the motor	0.15 m/sec.
Type of Duty	S1 (Continues)
Method of Starting	3 Ph Direct Online (D.O.L.) up to 5.5 kW, Star Delta (SD) up to 22.5 kW
Maximum Starts per hour	10 times

### FEATURES

- SS-304 stainless steel stage casings impellers in radial flow pumps.
- 50 Feet head per stage in specific models.
- Dynamically balanced rotating parts.
- CFD designed stage casings and impellers.
- 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., Silicon Carbide
Motor Bush	: LTB-4
Stamping	: Electrical Steel
Copper	: EC Grade 99.9%
Winding Wire	: Multilayer Polyester Insu.
Oil Seal	: NBR

### PUMP

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

**V-6**  
MIX FLOW

**SUBMERSIBLE PUMPSET**



Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V6 MIX FLOW	Mix Flow	C.I. Bowl S.S. 410 Impeller	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 142 mm Pump - 142 mm	150 mm Borewell

Max. Head Per Stage : 35 Feet

FM6100MF	DISCHARGE IN L.P.M.					0	275	410	505	580	645	710	760
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6100MF-3003	3.00	3	2.50"	32	27	24	21	18	15	12	9
2	FM6100MF-4004	4.00	4	2.50"	43	36	32	28	24	20	16	12	
3	FM6100MF-5005	5.00	5	2.50"	53	45	40	35	30	25	20	15	
4	FM6100MF-6006	6.00	6	2.50"	64	54	48	42	36	30	24	18	
5	FM6100MF-7508	7.50	8	2.50"	85	72	64	56	48	40	32	24	
6	FM6100MF-10010	10.00	10	2.50"	107	90	80	70	60	50	40	30	
7	FM6100MF-12513	12.50	13	2.50"	139	117	104	91	78	65	52	39	
8	FM6100MF-15015	15.00	15	2.50"	160	135	120	105	90	75	60	45	

Max. Head Per Stage : 38 Feet

FM6125MF	DISCHARGE IN L.P.M.					0	405	520	590	640	715	770	820
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6125MF-4003	4.00	3	2.50"	35	27	24	21	18	15	12	9
2	FM6125MF-5004	5.00	4	2.50"	46	36	32	28	24	20	16	12	
3	FM6125MF-6005	6.00	5	2.50"	58	45	40	35	30	25	20	15	
4	FM6125MF-7506	7.50	6	2.50"	70	54	48	42	36	30	24	18	
5	FM6125MF-10008	10.00	8	2.50"	93	72	64	56	48	40	32	24	
6	FM6125MF-12510	12.50	10	2.50"	116	90	80	70	60	50	40	30	
7	FM6125MF-15012	15.00	12	2.50"	139	108	96	84	72	60	48	36	

Max. Head Per Stage : 40 Feet

FM6150MF	DISCHARGE IN L.P.M.					0	500	640	720	805	875	930	990
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6150MF-3002	3.00	2	2.50"	24	18	16	14	12	10	8	6
2	FM6150MF-5003	5.00	3	2.50"	37	27	24	21	18	15	12	9	
3	FM6150MF-6004	6.00	4	2.50"	49	36	32	28	24	20	16	12	
4	FM6150MF-7505	7.50	5	2.50"	61	45	40	35	30	25	20	15	
5	FM6150MF-10007	10.00	7	2.50"	85	63	56	49	42	35	28	21	
6	FM6150MF-12508	12.50	8	2.50"	98	72	64	56	48	40	32	24	
7	FM6150MF-15010	15.00	10	2.50"	122	90	80	70	60	50	40	30	





**V-6**  
MIX FLOW **SUBMERSIBLE PUMPSET**

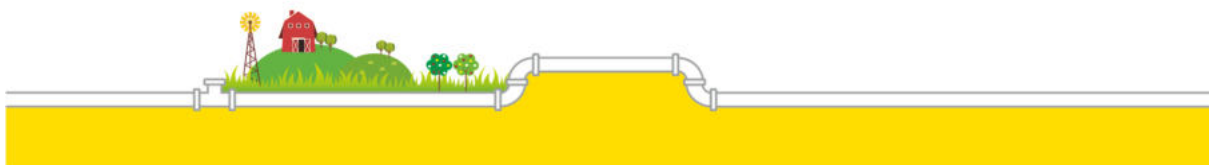
Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V6 MIX FLOW	Mix Flow	C.I. Bowl S.S. 410 Impeller	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 142 mm Pump - 142 mm	150 mm Borewell

Max. Head Per Stage : **40 Feet**

FM6200MF	DISCHARGE IN L.P.M.				0	650	815	950	1045	1125	1205	1300
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	FM6200MF-4002	4.00	2	3.00"	24	18	16	14	12	10	8
2	FM6200MF-6003	6.00	3	3.00"	37	27	24	21	18	15	12	9
3	FM6200MF-7504	7.50	4	3.00"	49	36	32	28	24	20	16	12
4	FM6200MF-10005	10.00	5	3.00"	61	45	40	35	30	25	20	15
5	FM6200MF-12506	12.50	6	3.00"	73	54	48	42	36	30	24	18
6	FM6200MF-15008	15.00	8	3.00"	98	72	64	56	48	40	32	24

Max. Head Per Stage : **40 Feet**

FM6250MF	DISCHARGE IN L.P.M.				0	870	980	1090	1100	1200	1280	1350
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters						
	1	* FM6250MF-5002	5.00	2	3.00"	24	18	16	14	12	10	8
2	* FM6250MF-7503	7.50	3	3.00"	37	27	24	21	18	15	12	9
3	* FM6250MF-10004	10.00	4	3.00"	49	36	32	28	24	20	16	12
4	* FM6250MF-12505	12.50	5	3.00"	61	45	40	35	30	25	20	15
5	* FM6250MF-15006	15.00	6	3.00"	73	54	48	42	36	30	24	18



**CABLE SELECTION CHART AT  
40°C 415 V. (WITH DOL STARTER)**

Sr. No.	Submersible Motors		Size of Cable in Sq. mm. at different length in mtrs.															
	H.P.	Full Load Current Amps.	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200	
1	5	7.5	1.5	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	4	4
2	7.5	11	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
3	10	15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
4	12.5	19	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	
5	15	22.5	4	4	4	4	4	4	4	4	4	4	6	6	10	10	10	
6	17.5	26	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10	
7	20	28.4	6	6	6	6	6	6	6	6	6	6	6	10	10	10	16	
8	25	35.6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16
9	30	42.3	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16	16
10	35	50.4	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	25
11	40	58.1	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25	25
12	45	62.1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
13	50	67.5	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	35
14	55	73.8	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
15	60	81.0	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
16	65	87.3	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
17	70	93.6	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
18	75	100.8	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
19	80	108.0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

**CABLE SELECTION CHART AT 40°C 415 V.  
(WITH STAR DELTA STARTER - DOUBLE CABLE)**

Sr. No.	Submersible Motors		Size of Cable in Sq. mm. at different length in mtrs.															
	H.P.	Full Load Current Amps.	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200	
1	5	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	7.5	11	1.5	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	4	4
3	10	15	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
4	12.5	19	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
5	15	22.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
6	17.5	26	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
7	20	28.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10
8	25	35.6	4	4	4	4	4	4	4	4	4	4	4	6	6	10	10	10
9	30	42.3	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10	10
10	35	50.4	6	6	6	6	6	6	6	6	6	6	6	10	10	10	10	16
11	40	58.1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	16
12	45	62.1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16
13	50	67.5	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16
14	55	73.8	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16
15	60	81.0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
16	65	87.3	16	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
17	70	93.6	16	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
18	75	100.8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
19	80	108.0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

