



SPECIFICATIONS

Power Range	2.2 kW to 22 kW (3.0 HP to 30 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	2.00 & 2.50 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.
- 70 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	Bowl	: SS 304/CI FG:200
Motor Body Pipe	: Stainless Steel AISI 202	Impeller	: SS 304, SS 410
Casting Part	: CI FG:200	Suction& NRV	: CI FG:200
Thrust Bearing	: Carbon v/s S.S., Silicon Carbide	Pump Shaft	: Stainless Steel AISI 410
Motor Bush	: LTB-4	All Hardware	: Stainless Steel
Stamping	: Electrical 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-6
SS**

HIGH HEAD TURBO SUBMERSIBLE PUMPSET

doctor[®]
PUMPS

Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V6 SS HH TURBO	Radial Flow	S.S. 304 Bowl S.S. 304 Impeller	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 142 mm Pump - 142 mm	150 mm Borewell

Max. Head Per Stage : 70 Feet

FM6706SSHH TURBO	DISCHARGE IN L.P.M.					0	50	80	95	100	110	140	165
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6706TSSHH-3005	3.00	5	2.00"	101	96	90	85	80	75	60	40
	2	FM6706TSSHH-4007	4.00	7	2.00"	141	134	126	119	112	105	84	56
	3	FM6706TSSHH-5008	5.00	8	2.00"	162	154	144	136	128	120	96	64
	4	FM6706TSSHH-6010	6.00	10	2.00"	202	192	180	170	160	150	120	80
	5	FM6706TSSHH-7512	7.50	12	2.00"	242	230	216	204	192	180	144	96
	6	FM6706TSSHH-10016	10.00	16	2.00"	323	307	288	272	256	240	192	128
	7	FM6706TSSHH-12520	12.50	20	2.00"	404	384	360	340	320	300	240	160
	8	FM6706TSSHH-15025	15.00	25	2.00"	505	480	450	425	400	375	300	200
9	FM6706TSSHH-17530	17.50	30	2.00"	606	576	540	510	480	450	300	360	

Max. Head Per Stage : 70 Feet

FM6708SSHH TURBO	DISCHARGE IN L.P.M.					0	70	105	115	130	145	180	215
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6708TSSHH-3004	3.00	4	2.00"	85	76	72	68	64	60	48	32
	2	FM6708TSSHH-4005	4.00	5	2.00"	107	95	90	85	80	75	60	40
	3	FM6708TSSHH-5006	5.00	6	2.00"	128	114	108	102	96	90	72	48
	4	FM6708TSSHH-6008	6.00	8	2.00"	171	152	144	136	128	120	96	64
	5	FM6708TSSHH-7510	7.50	10	2.00"	213	190	180	170	160	150	120	80
	6	FM6708TSSHH-10012	10.00	12	2.00"	256	228	216	204	192	180	144	98
	7	FM6708TSSHH-12512	12.50	15	2.00"	320	285	270	255	240	225	180	120
	8	FM6708TSSHH-15018	15.00	18	2.00"	384	342	324	306	288	270	216	144
	9	FM6708TSSHH-17521	17.50	21	2.00"	448	400	378	357	336	315	252	168
	10	FM6708TSSHH-20025	20.00	25	2.00"	534	475	450	425	400	375	300	200
	11	FM6708TSSHH-25031	25.00	31	2.00"	662	589	558	527	496	465	372	248
12	FM6708TSSHH-30037	30.00	37	2.00"	790	703	666	629	592	555	444	296	

Max. Head Per Stage : 70 Feet

FM6710SSHH TURBO	DISCHARGE IN L.P.M.					0	120	140	165	180	200	240	290
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6710TSSHH-3003	3.00	3	2.00"	64	57	54	51	48	45	36	24
	2	FM6710TSSHH-4004	4.00	4	2.00"	85	76	72	68	64	60	48	32
	3	FM6710TSSHH-5005	5.00	5	2.00"	107	95	90	85	80	75	60	40
	4	FM6710TSSHH-6006	6.00	6	2.00"	128	114	108	102	96	90	72	48
	5	FM6710TSSHH-7508	7.50	8	2.00"	171	152	144	136	128	120	96	64
	6	FM6710TSSHH-10010	10.00	10	2.00"	213	190	180	170	160	150	120	80
	7	FM6710TSSHH-12513	12.50	13	2.00"	277	247	234	221	208	195	150	104
	8	FM6710TSSHH-15015	15.00	15	2.00"	320	285	270	255	240	225	195	120
	9	FM6710TSSHH-17518	17.50	18	2.00"	384	342	324	306	288	270	234	144
	10	FM6710TSSHH-20020	20.00	20	2.00"	427	380	360	340	320	300	260	160
	11	FM6710TSSHH-25025	25.00	25	2.00"	534	475	450	425	400	375	325	200
12	FM6710TSSHH-30030	30.00	30	2.00"	640	570	540	510	480	450	390	240	



Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V6 SS HH TURBO	Radial Flow	S.S. 304 Bowl S.S. 304 Impeller	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 142 mm Pump - 142 mm	150 mm Borewell

Max. Head Per Stage : **70 Feet**

FM6712SSHH TURBO	DISCHARGE IN L.P.M.					0	175	205	235	255	275	335	395
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6712TSSHH-4003	4.00	3	2.50"	64	57	54	51	48	45	36	24
	2	FM6712TSSHH-5004	5.00	4	2.50"	85	76	72	68	64	60	48	32
	3	FM6712TSSHH-6005	6.00	5	2.50"	107	95	90	85	80	75	60	40
	4	FM6712TSSHH-7506	7.50	6	2.50"	128	114	108	102	96	90	72	48
	5	FM6712TSSHH-10008	10.00	8	2.50"	171	152	144	136	128	120	96	64
	6	FM6712TSSHH-12510	12.50	10	2.50"	213	190	180	170	160	150	120	80
	7	FM6712TSSHH-15012	15.00	12	2.50"	256	228	216	204	192	180	144	96
	8	FM6712TSSHH-17514	17.50	14	2.50"	299	266	252	238	224	210	168	112
	9	FM6712TSSHH-20016	20.00	16	2.50"	341	304	288	272	256	240	192	128
	10	FM6712TSSHH-25020	25.00	20	2.50"	427	380	360	340	320	300	240	160
11	FM6712TSSHH-30024	30.00	24	2.50"	512	456	432	408	384	360	288	192	

Max. Head Per Stage : **70 Feet**

FM6715SSHH TURBO	DISCHARGE IN L.P.M.					0	225	255	275	300	330	390	455
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6715TSSHH-3002	3.00	2	2.50"	43	38	36	34	32	30	24	16
	2	FM6715TSSHH-5003	5.00	3	2.50"	64	57	54	51	48	45	26	24
	3	FM6715TSSHH-6004	6.00	4	2.50"	85	76	72	68	64	60	48	32
	4	FM6715TSSHH-7505	7.50	5	2.50"	107	95	90	85	80	75	60	40
	5	FM6715TSSHH-10007	10.00	7	2.50"	149	133	126	119	112	105	84	56
	6	FM6715TSSHH-12508	12.50	8	2.50"	171	152	144	136	128	120	96	64
	7	FM6715TSSHH-15010	15.00	10	2.50"	213	190	180	170	160	150	120	80
	8	FM6715TSSHH-17512	17.50	12	2.50"	256	228	216	204	192	180	144	96
	9	FM6715TSSHH-20013	20.00	13	2.50"	277	247	234	221	208	195	156	104
	10	FM6715TSSHH-25016	25.00	16	2.50"	341	304	288	272	256	240	192	128
11	FM6715TSSHH-30020	30.00	20	2.50"	426	380	360	340	320	300	240	160	

Max. Head Per Stage : **70 Feet**

FM6720SSHH TURBO	DISCHARGE IN L.P.M.					0	135	350	370	460	520	565	625
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM6720TSSHH-4002	4.00	2	2.50"	42	40	36	34	28	24	21	16
	2	FM6720TSSHH-6003	6.00	3	2.50"	62	60	53	51	42	36	32	24
	3	FM6720TSSHH-7504	7.50	4	2.50"	83	80	71	68	56	48	42	32
	4	FM6720TSSHH-10005	10.00	5	2.50"	104	100	89	85	70	60	53	40
	5	FM6720TSSHH-12506	12.50	6	2.50"	125	120	107	102	84	72	63	48
	6	FM6720TSSHH-15008	15.00	8	2.50"	166	160	142	136	112	96	84	64
	7	FM6720TSSHH-17509	17.50	9	2.50"	187	180	160	153	126	108	95	72
	8	FM6720TSSHH-20010	20.00	10	2.50"	208	200	178	170	140	120	105	80
9	FM6720TSSHH-25013	25.00	13	2.50"	270	260	230	221	182	156	137	104	
10	FM6720TSSHH-30015	30.00	15	2.50"	312	300	267	255	210	180	158	120	



CABLE SIZE IN REFERENCE TO HP & AMPS

CABLE Size for SINGLE Phase Motor (220 Volt)

H.P.	AMPs		Length																							
			Mtrs	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500		
			Feets	33	66	98	131	164	197	230	262	295	328	394	459	525	591	656	820	984	1148	1312	1476	1641		
0.50	5	Cable Size in Sq. MM	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-	-	-	-	-	-		
0.75	6		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	-	-	-	-	-	-	-	-	-	-		
1.00	7		1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4.0	4.0	4.0	-	-	-	-	-	-	-	-	-		
1.50	9		1.5	1.5	1.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	8.0	8.0	8.0	8.0	-	-	-	-	-	-	-		
2.00	13		2.5	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0	6.0	8.0	8.0	8.0	10.0	10.0	10.0	-	-	-	-	-	-		
3.00	15		2.5	2.5	2.5	2.5	4.0	4.0	6.0	6.0	6.0	8.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0	-	-	-	-	-	-	
4.00	20		2.5	2.5	2.5	4.0	4.0	6.0	6.0	8.0	8.0	8.0	8.0	10.0	10.0	10.0	10.0	16.0	-	-	-	-	-	-	-	
5.00	25		2.5	2.5	4.0	4.0	6.0	6.0	8.0	8.0	8.0	8.0	10.0	10.0	10.0	16.0	16.0	16.0	16.0	-	-	-	-	-	-	

CABLE Size for THREE Phase Motor (415 Volt: Single Cable with DOL Starter)

H.P.	AMPs		Length																						
			Mtrs	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500	
			Feets	33	66	98	131	164	197	230	262	295	328	394	459	525	591	656	820	984	1148	1312	1476	1641	
1.50	3	Cable Size in Sq. MM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
2.00	3.5		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	1.5	1.5	1.5	1.5	1.5	1.5	
3.00	5.5		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	1.5	2.5	2.5	2.5	2.5	2.5	
4.00	7		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	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
5.00	7.5		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	2.5	2.5	4	4	4	4	4	4	4	
6.50	10.5		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	2.5	4	4	4	4	4	4	4	6	
7.50	11		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	4	4	4	4	6	6	
10.00	15		2.0	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	6	4	6	10	10

CABLE Size for THREE Phase Motor (415 Volt: Double Cable with STAR DELTA Starter)

H.P.	AMPs	Length																								
		Mtrs	10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500			
		Feets	33	66	98	131	164	197	230	262	295	328	394	459	525	591	656	820	984	1148	1312	1476	1641			
7.50	11	Cable Size in Sq. MM	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	2.5	2.5	2.5	2.5	2.5	4	4			
10.00	15		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	2.5	2.5	2.5	4	4	4	4			
12.50	19		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	4	6	6	6	6			
15.00	23		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	4	4			
17.50	26		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	4	4	4	6	6			
20.00	29		4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	8	8			
22.50	32		4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	8	8			
25.00	36		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8			
30.00	43		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8			
35.00	51		6	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8	10	10			
40.00	59		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10		
45.00	63		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10		
52.00	68		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10		
62.00	86		12	12	12	12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	16	20	20	20		
72.00	100		16	16	16	16	16	16	16	16	16	16	16	16	16	20	20	20	20	20	20	25	25	25		
85.00	120		20	20	20	20	20	20	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25		

