

## V7 (Janta Model) Submersible Pumpset



Teraflo brand makes highly efficient durable and best Quality V7 submersible pumpset with water filled submersible motors.

### SALIENT FEATURES

1. Motor design for wide voltage range.
2. All the rotating parts are balance in precision grade to reduce vibration & noise..
3. Pumps are Design for maximum water discharge.
4. Rotor are painted with special epoxy paint for long life.
5. Pumps are provided with suction guide support.
6. All Bearing sleeves are provided with hard chrome plating.
7. Carbon V/S Stainless steel thrust bearing are provided to withstand high thrust load.
8. Top and suction guide bushes are well protected by sand guards.
9. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation .
10. Upper thrust provision provided in each model.

### APPLICATION

1. High rise buildings
2. Commodity water supply.
3. Hotels, Dairies and bungalows.
4. Irrigation/Sprinkler

### MATERIAL OF CONSTRUCTION

#### MOTOR

Copper	: EC grade min 99.90%.
Stamping	: Silicon steel.
Casting Part	: Cast Iron FG 200 grade.
Thrust Bearing	: Carbon v/s Stainless Steel.
Motor Shaft	: Fully Stainless steel AISI 410.

#### PUMP

Pump Shaft	: Fully Stainless Steel AISI 410
Suction Housing	: Cast Iron FG 200 grade.
Impeller	: Stainless Steel AISI 410/ Glass filled engineering polymer.
Diffuser	: Cast Iron FG 200 grade.
Sleeve	: AISI 410 with hard chrome plating.

### TECHNICAL SPECIFICATION

Head Range	: 9 to 120 meter
Discharge Range	: 600 to 1700 LPM
Motor Rating	: 3.0 HP to 25 HP in three phase 380V / 415 V, 50Hz, AC Supply 3.0 HP to 5.0 HP in single phase 230V / 50Hz AC Supply
Voltage Range	: 160V to 250V (1 Phase) 200V to 440V (3 Phase)

### V7 (175mm) SUBMERSIBLE PUMPSETS

1000 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	36.0	48.0	54.0	60.0	66.0	72.0	84.0
				LPM	600	800	900	1000	1100	1200	1400
TFMC725/100/2	2	5.0	3.7	TOTAL HEAD IN METERS	24	21	19	17	15	13	9
TFMC725/100/3	3	7.5	5.5		36	32	29	26	23	20	14
TFMC725/100/4	4	10.0	7.5		48	42	39	35	31	27	19
TFMC725/100/5	5	12.5	9.3		60	53	49	44	39	34	24
TFMC725/100/6	6	15.0	11.0		72	64	58	52	46	40	28
TFMC725/100/7	7	17.5	13.0		84	74	68	61	54	47	33
TFMC725/100/8	8	20.0	15.0		96	85	78	70	62	54	38
TFMC725/100/9	9	25.0	18.5		108	95	87	78	69	60	42
TFMC725/100/10	10	25.0	18.5		120	106	97	87	77	67	47

1100 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	42.0	54.0	60.0	66.0	72.0	78.0	90.0
				LPM	700	900	1000	1100	1200	1300	1500
TFMC73/110/2	2	6.0	4.5	TOTAL HEAD IN METERS	25	23	21	20	18	16	11
TFMC73/110/3	3	10.0	7.5		38	35	32	30	27	24	17
TFMC73/110/4	4	12.5	9.3		51	46	43	40	36	32	23
TFMC73/110/5	5	15.0	11.0		64	58	54	50	45	40	29
TFMC73/110/6	6	20.0	15.0		76	69	64	59	54	48	34
TFMC73/110/7	7	25.0	18.5		89	81	75	69	63	56	40
TFMC73/110/8	8	25.0	18.5		102	92	86	79	72	64	46

1200 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	48.0	60.0	66.0	72.0	78.0	84.0	96.0
				LPM	800	1000	1100	1200	1300	1400	1600
TFMC74/120/2	2	7.5	5.5	TOTAL HEAD IN METERS	28	26	25	23	21	19	15
TFMC74/120/3	3	12.5	9.3		41	39	37	35	32	29	22
TFMC74/120/4	4	15.0	11.0		55	52	49	46	43	39	30
TFMC74/120/5	5	20.0	15.0		69	65	62	58	54	49	37
TFMC74/120/6	6	25.0	18.5		83	77	74	70	64	58	44

1300 LPM

OUTLET SIZE : 100 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M <sup>3</sup> /hr	54.0	66.0	72.0	78.0	84.0	90.0	102.0
				LPM	900	1100	1200	1300	1400	1500	1700
TFMC75/130/2	2	10.0	7.5	TOTAL HEAD IN METERS	30	28	27	25	23	21	17
TFMC75/130/3	3	15.0	11.0		44	42	40	38	35	32	26
TFMC75/130/4	4	20.0	15.0		59	56	53	50	46	43	35
TFMC75/130/5	5	25.0	18.5		74	70	67	63	58	54	44