

V6 (Radial /Mix flow) Submersible Pumpset

Teraflo brand makes highly efficient durable and best Quality V6 submersible pumpset with water filled submersible motors.



SALIENT FEATHERS

1. Robust construction to ensure durability of pumpset.
2. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation.
3. All the rotating parts are dynamically balance to reduce vibration & noise.
4. Carbon Bearing v/s Stainless Steel Segments are used to withstand high thrust load.
5. All guide bushes are protected with sand guards.
6. Bearing sleeves are provided with hardchrome plating for better life in sandy conditions.
7. Rotors are painted with special epoxy paint for long life.
8. NRV are provided for reduce back pressure.
9. Motors are also available in single phase and three phase design.
10. Motor design for wide voltage range.

APPLICATION

1. Sprinkler & drip Irrigation system.
2. Irrigation in farms.
3. Domestic & Industrial water supply.
4. Fire Fighting system.
5. Solar pumping system.

MATERIAL OF CONSTRUCTION

MOTOR

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

PUMP

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

TECHNICAL SPECIFICATION

Head Range	: A) Radial flow-13 to 245 meter B) Mix Flow- 9 to 216 meters
Discharge Range	: A) Radial flow- 120 to 450 LPM B) Mix Flow-200 to 1150 LPM
Motor Rating	: 3.0 HP to 30 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)

RADIAL FLOW

V6 (150MM) SUBMERSIBLE PUMPSETS

200 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	7.2	9.0	10.2	12.0	13.2	15.0	16.8
				LPM	120	150	170	200	220	250	280
TFRC65/20/4	4	3.0	2.2	TOTAL HEAD IN METERS	38	36	35	31	28	23	17
TFRC65/20/6	6	3.0	2.2		57	55	52	47	42	34	25
TFRC65/20/7	7	4.0	3.0		67	64	61	55	49	40	29
TFRC65/20/8	8	5.0	3.7		76	73	70	62	56	46	34
TFRC65/20/10	10	5.0	3.7		95	91	87	78	70	57	42
TFRC65/20/12	12	6.0	4.5		114	109	104	94	84	68	50
TFRC65/20/14	14	7.5	5.5		133	127	122	109	98	80	59
TFRC65/20/15	15	7.5	5.5		143	137	131	117	105	86	63
TFRC65/20/18	18	10.0	7.5		171	164	157	140	126	103	76
TFRC65/20/20	20	10.0	7.5		190	182	174	156	140	114	84
TFRC65/20/25	25	12.5	9.3		238	228	218	195	175	143	105

230 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	7.8	10.2	12.0	13.8	15.6	17.4	19.8
				LPM	130	170	200	230	260	290	330
TFRC66/23/4	4	3.0	2.2	TOTAL HEAD IN METERS	39	38	36	33	29	24	17
TFRC66/23/5	5	3.0	2.2		49	47	45	41	37	31	21
TFRC66/23/6	6	4.0	3.0		59	56	53	49	44	37	25
TFRC66/23/8	8	5.0	3.7		78	75	71	66	58	49	34
TFRC66/23/10	10	6.0	4.5		98	94	89	82	73	61	42
TFRC66/23/12	12	7.5	5.5		118	113	107	98	88	73	50
TFRC66/23/15	15	10.0	7.5		147	141	134	123	110	92	63
TFRC66/23/16	16	10.0	7.5		157	150	142	131	117	98	67
TFRC66/23/18	18	12.5	9.3		176	169	160	148	131	110	76
TFRC66/23/20	20	12.5	9.3		196	188	178	164	146	122	84
TFRC66/23/25	25	15.0	11.0		245	235	223	205	183	153	105

250 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	9.0	11.4	13.2	15.0	16.8	18.6	21.0
				LPM	150	190	220	250	280	310	350
TFRC67/25/4	4	3.0	2.2	TOTAL HEAD IN METERS	42	40	37	34	31	27	21
TFRC67/25/5	5	4.0	3.0		52	50	47	43	38	34	26
TFRC67/25/6	6	5.0	3.7		62	59	56	51	46	40	31
TFRC67/25/7	7	5.0	3.7		73	69	65	60	54	47	36
TFRC67/25/8	8	6.0	4.5		83	79	74	68	61	54	42
TFRC67/25/10	10	7.5	5.5		104	99	93	85	77	67	52
TFRC67/25/12	12	10.0	7.5		125	119	112	102	92	80	62
TFRC67/25/14	14	10.0	7.5		146	139	130	119	107	94	73
TFRC67/25/16	16	12.5	9.3		166	158	149	136	122	107	83
TFRC67/25/17	17	12.5	9.3		177	168	158	145	130	114	88
TFRC67/25/20	20	15.0	11.0		208	198	186	170	153	134	104
TFRC67/25/21	21	15.0	11.0		218	208	195	179	161	141	109

V6 (150MM) SUBMERSIBLE PUMPSETS - RADIAL

330 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	12.6	15.6	18.0	19.8	21.6	24.0	27.0
				LPM	210	260	300	330	360	400	450
TFRC610/33/3	3	3.0	2.2	TOTAL HEAD IN METERS	31	30	28	26	24	19	13
TFRC610/33/4	4	4.0	3.0		41	40	38	35	32	26	17
TFRC610/33/5	5	5.0	3.7		52	50	47	44	40	32	22
TFRC610/33/6	6	6.0	4.5		62	59	56	53	47	38	26
TFRC610/33/7	7	7.5	5.5		72	69	66	61	55	45	30
TFRC610/33/8	8	7.5	5.5		82	79	75	70	63	51	34
TFRC610/33/10	10	10.0	7.5		103	99	94	88	79	64	43
TFRC610/33/12	12	12.5	9.3		124	119	113	105	95	77	52
TFRC610/33/14	14	15.0	11.0		144	139	132	123	111	90	60
TFRC610/33/15	15	15.0	11.0		155	149	141	131	119	96	65
TFRC610/33/16	16	17.5	13.0		165	158	150	140	126	102	69
TFRC610/33/17	17	17.5	13.0		175	168	160	149	134	109	73
TFRC610/33/18	18	20.0	15.0		185	178	169	158	142	115	77
TFRC610/33/20	20	20.0	15.0		206	198	188	175	158	128	86

MIX FLOW

V6 (150MM) SUBMERSIBLE PUMPSETS

400 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	12.0	18.0	21.0	24.0	27.0	30.0	36.0
				LPM	200	300	350	400	450	500	600
TFMC610/40/3	3	3.0	2.2	TOTAL HEAD IN METERS	28	26	24	23	21	19	14
TFMC610/40/4	4	4.0	3.0		37	34	32	30	28	25	19
TFMC610/40/5	5	5.0	3.7		46	43	40	38	35	31	24
TFMC610/40/6	6	6.0	4.5		56	51	48	45	41	38	29
TFMC610/40/8	8	7.5	5.5		74	68	64	60	55	50	38
TFMC610/40/10	10	10.0	7.5		93	85	80	75	69	63	48
TFMC610/40/12	12	12.5	9.3		111	102	96	90	83	75	57
TFMC610/40/15	15	15.0	11.0		139	128	120	113	104	94	71
TFMC610/40/17	17	17.5	13.0		157	145	136	128	117	106	81
TFMC610/40/20	20	20.0	15.0		185	170	160	150	138	125	95

450 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	15.0	21.0	24.0	27.0	30.0	33.0	39.0
				LPM	250	350	400	450	500	550	650
TFMC612/45/3	3	4.0	3.0	TOTAL HEAD IN METERS	32	30	29	27	25	23	17
TFMC612/45/4	4	5.0	3.7		43	40	38	36	33	30	23
TFMC612/45/5	5	6.0	4.5		54	50	48	45	42	38	29
TFMC612/45/6	6	7.5	5.5		65	60	57	53	50	46	35
TFMC612/45/8	8	10.0	7.5		86	80	76	71	66	61	46
TFMC612/45/10	10	12.5	9.3		108	100	95	89	83	76	58
TFMC612/45/12	12	15.0	11.0		130	120	114	107	100	91	70
TFMC612/45/14	14	17.5	13.0		151	140	133	125	116	106	81
TFMC612/45/16	16	20.0	15.0		173	160	152	142	133	122	93
TFMC612/45/18	18	25.0	18.5		194	180	171	160	149	137	104
TFMC612/45/20	20	25.0	18.5		216	200	190	178	166	152	116

V6 (150MM) SUBMERSIBLE PUMPSETS

550 LPM

OUTLET SIZE : 75 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	21.0	27.0	30.0	33.0	36.0	39.0	45.0
				LPM	350	450	500	550	600	650	750
TFMC615/55/3	3	5.0	3.7	TOTAL HEAD IN METERS	30	28	27	25	23	21	15
TFMC615/55/4	4	6.0	4.5		40	38	36	34	31	29	20
TFMC615/55/5	5	7.5	5.5		51	47	45	42	39	36	25
TFMC615/55/6	6	10.0	7.5		61	56	54	50	47	43	30
TFMC615/55/8	8	12.5	9.3		81	75	72	67	62	57	40
TFMC615/55/10	10	15.0	11.0		101	94	90	84	78	72	50
TFMC615/55/12	12	17.5	13.0		121	113	107	101	94	86	60
TFMC615/55/14	14	20.0	15.0		141	132	125	118	109	100	70
TFMC615/55/16	16	25.0	18.5		162	150	143	134	125	114	80

750 LPM

OUTLET SIZE : 75 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	30.0	36.0	42.0	45.0	48.0	54.0	60.0
				LPM	500	600	700	750	800	900	1000
TFMC620/75/3	3	6.0	4.5	TOTAL HEAD IN METERS	29	27	25	23	22	18	13
TFMC620/75/4	4	7.5	5.5		39	36	33	31	29	24	17
TFMC620/75/5	5	10.0	7.5		49	46	41	39	36	30	22
TFMC620/75/6	6	12.5	9.3		59	55	50	47	43	35	26
TFMC620/75/7	7	15.0	11.0		69	64	58	54	50	41	30
TFMC620/75/8	8	15.0	11.0		78	73	66	62	58	47	34
TFMC620/75/9	9	17.5	13.0		88	82	74	70	65	53	39
TFMC620/75/10	10	20.0	15.0		98	91	83	78	72	59	43
TFMC620/75/12	12	25.0	18.5		118	109	99	93	86	71	52

900 LPM

OUTLET SIZE : 75 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	39.0	45.0	51.0	54.0	57.0	63.0	69.0
				LPM	650	750	850	900	950	1050	1150
TFMC625/90/2	2	5.0	3.7	TOTAL HEAD IN METERS	20	18	17	16	14	12	9
TFMC625/90/3	3	7.5	5.5		29	27	25	23	22	18	13
TFMC625/90/4	4	10.0	7.5		39	36	33	31	29	24	17
TFMC625/90/5	5	12.5	9.3		49	46	41	39	36	30	22
TFMC625/90/6	6	15.0	11.0		59	55	50	47	43	35	26
TFMC625/90/7	7	17.5	13.0		69	64	58	54	50	41	30
TFMC625/90/8	8	20.0	15.0		78	73	66	62	58	47	34
TFMC625/90/10	10	25.0	18.5		98	91	83	78	72	59	43