

V5 Submersible Pumpset

Teraflo brand makes highly efficient durable and best Quality V5 submersible pumpset with water filled submersible motors.



SALIENT FEATURES

1. High efficient investment casting process diffusers are use with AISI 304 Material.
2. All the rotating parts are balance in precision grade to reduce vibration & noise..
3. All guide bushes are protected with sand guards.
4. Upper thrust provision provided in each model.
5. Pumps are provided with suction guide support.
6. Bearing sleeves are provided with hard chrome plating.
7. Carbon V/S Stainless steel thrust bearing are provided to withstand high thrust load.
8. Pumps are Design for maximum water discharge.
9. Winding wires are wrapped with superior polymer to withstand wide voltage fluctuation.
10. Rotors are painted with special epoxy paint for long life.

APPLICATION

1. Irrigation/Sprinkler
2. Commodity water supply.
3. Industrial
4. High rise buildings
5. Sprinklers
6. Unshaped and crooked 6" borehole

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

Diffuser	: AISI 304 Investment Casting
Impeller	: Stainless Steel AISI 410
Suction Housing	: Cast Iron FG 200 grade.
Pump Shaft	: Fully Stainless Steel AISI 410
Sleeve	: AISI 410 with hard chrome plating.

TECHNICAL SPECIFICATION

Head Range	: 24 to 268 meter
Discharge Range	: 60 to 420 LPM
Motor Rating	: 3.0 HP to 15.0 HP in three phase. - 380V /415V, 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)

V5 (125MM) (V6 SLIM) SUBMERSIBLE PUMPSETS

120 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	3.6	4.8	6.0	7.2	8.4	9.6	10.8
				LPM	60	80	100	120	140	160	180
TFRS55/12/10	10	5.0	3.7	TOTAL HEAD IN METERS	107	102	95	87	78	66	52
TFRS55/12/12	12	6.0	4.5		128	122	114	104	94	79	62
TFRS55/12/15	15	7.5	5.5		161	153	143	131	117	99	78
TFRS55/12/20	20	10.0	7.5		214	204	190	174	156	132	104
TFRS55/12/25	25	12.5	9.3		268	255	238	218	195	165	130

140 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	4.8	6.0	7.2	8.4	9.6	10.8	12.0
				LPM	80	100	120	140	160	180	200
TFRS56/14/8	8	5.0	3.7	TOTAL HEAD IN METERS	85	80	74	66	58	49	40
TFRS56/14/10	10	6.0	4.5		106	100	92	82	72	61	50
TFRS56/14/12	12	7.5	5.5		127	120	110	98	86	73	60
TFRS56/14/16	16	10.0	7.5		170	160	147	131	115	98	80
TFRS56/14/18	18	12.5	9.3		191	180	166	148	130	110	90
TFRS56/14/22	22	15.0	11		233	220	202	180	158	134	110
TFRS56/14/25	25	15.0	11		265	250	230	205	180	153	125

175 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	6.0	7.5	9.0	10.5	12.0	13.5	15.0
				LPM	100	125	150	175	200	225	250
TFRS58/17/6	6	5.0	3.7	TOTAL HEAD IN METERS	66	63	59	53	48	42	36
TFRS58/17/8	8	6.0	4.5		88	84	78	71	64	56	48
TFRS58/17/10	10	7.5	5.5		110	105	98	89	80	70	60
TFRS58/17/12	12	10.0	7.5		132	126	118	107	96	84	72
TFRS58/17/15	15	12.5	9.3		165	158	147	134	120	105	90
TFRS58/17/18	18	15.0	11		198	189	176	160	144	126	108

230 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	8.4	10.8	12.6	13.8	15.0	16.8	19.2
				LPM	140	180	210	230	250	280	320
TFRS510/23/5	5	5.0	3.7	TOTAL HEAD IN METERS	58	55	52	49	46	40	32
TFRS510/23/6	6	6.0	4.5		70	66	62	58	55	48	38
TFRS510/23/8	8	7.5	5.5		93	88	82	78	73	64	51
TFRS510/23/10	10	10.0	7.5		116	110	103	97	91	80	64
TFRS510/23/12	12	12.5	9.3		139	132	124	116	109	96	77
TFRS510/23/15	15	15.0	11		174	165	155	146	137	120	96

300 LPM

OUTLET SIZE : 50 MM / 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	10.8	13.2	15.6	18.0	20.4	22.8	25.2
				LPM	180	220	260	300	340	380	420
TFRS512/30/4	4	5.0	3.7	TOTAL HEAD IN METERS	46	43	40	36	32	28	24
TFRS512/30/5	5	6.0	4.5		57	54	50	46	41	36	30
TFRS512/30/6	6	7.5	5.5		68	65	60	55	49	43	36
TFRS512/30/8	8	10.0	7.5		91	86	80	73	65	57	48
TFRS512/30/10	10	12.5	9.3		114	108	100	91	81	71	60
TFRS512/30/12	12	15.0	11		137	130	120	109	97	85	72