

V6 (50 FT) Submersible Pumpset



Teraflo brand makes highly efficient durable and best Quality V6 (50 ft.) high head 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. All 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. 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

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

TECHNICAL SPECIFICATION

Head Range	: 10 to 450 meter
Discharge Range	: 40 to 780 LPM
Motor Rating	: 3.0 HP to 30 HP in three phase. - 380V / 415 V, 50 Hz, 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)

V6 (150MM) HIGH HEAD SUBMERSIBLE PUMPSETS

110 LPM

OUTLET SIZE :50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	2.4	4.2	5.4	6.6	7.8	9.0	10.8
				LPM	40	70	90	110	130	150	180
TFRS65/11/6	6	3.0	2.2	TOTAL HEAD IN METERS	85	83	81	77	69	57	37
TFRS65/11/10	10	5.0	3.7		142	138	135	128	115	95	61
TFRS65/11/12	12	6.0	4.5		170	166	162	154	138	114	73
TFRS65/11/15	15	7.5	5.5		213	207	203	192	173	143	92
TFRS65/11/20	20	10.0	7.5		284	276	270	256	230	190	122
TFRS65/11/24	24	12.5	9.3		341	331	324	307	276	228	146
TFRS65/11/30	30	15.0	11		426	414	405	384	345	285	183

150 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	4.5	6.0	7.5	9.0	10.5	12.0	13.5
				LPM	75	100	125	150	175	200	225
TFRS66/15/5	5	3.0	2.2	TOTAL HEAD IN METERS	75	72	67	60	53	45	37
TFRS66/15/8	8	5.0	3.7		120	115	106	96	84	72	59
TFRS66/15/10	10	6.0	4.5		150	144	133	120	105	90	74
TFRS66/15/12	12	7.5	5.5		180	173	160	144	126	108	89
TFRS66/15/16	16	10.0	7.5		240	230	213	192	168	144	118
TFRS66/15/20	20	12.5	9.3		300	288	266	240	210	180	148
TFRS66/15/24	24	15.0	11.0		360	346	319	288	252	216	178

200 LPM

OUTLET SIZE : 50 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	6.6	9.6	10.8	12.0	13.2	14.4	17.4
				LPM	110	160	180	200	220	240	290
TFRS68/20/4	4	3.0	2.2	TOTAL HEAD IN METERS	60	56	52	48	44	39	24
TFRS68/20/6	6	5.0	3.7		90	83	79	73	66	59	37
TFRS68/20/8	8	6.0	4.5		120	111	105	97	88	78	49
TFRS68/20/10	10	7.5	5.5		150	139	131	121	110	98	61
TFRS68/20/12	12	10.0	7.5		180	167	157	145	132	118	73
TFRS68/20/15	15	12.5	9.3		225	209	197	182	165	147	92
TFRS68/20/18	18	15.0	11.0		270	250	236	218	198	176	110
TFRS68/20/21	21	17.5	13.0		315	292	275	254	231	206	128
TFRS68/20/24	24	20.0	15.0		360	334	314	290	264	235	146

V6 (150MM) HIGH HEAD SUBMERSIBLE PUMPSETS

250 LPM

OUTLET SIZE : 65MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	6.0	9.0	12.0	15.0	18.0	21.0	24.0
				LPM	100	150	200	250	300	350	400
TFRS610/25/3	3	3.0	2.2	TOTAL HEAD IN METERS	45	44	41	36	30	23	15
TFRS610/25/5	5	5.0	3.7		75	73	68	60	50	39	25
TFRS610/25/6	6	6.0	4.5		90	87	81	72	60	46	30
TFRS610/25/8	8	7.5	5.5		120	116	108	96	80	62	40
TFRS610/25/10	10	10.0	7.5		150	145	135	120	100	77	50
TFRS610/25/12	12	12.5	9.3		180	174	162	144	120	92	60
TFRS610/25/15	15	15.0	11.0		225	218	203	180	150	116	75
TFRS610/25/18	18	17.5	13.0		270	261	243	216	180	139	90
TFRS610/25/20	20	20.0	15.0		300	290	270	240	200	154	100
TFRS610/25/25	25	25.0	18.5		375	363	338	300	250	193	125
TFRS610/25/30	30	30.0	22.0		450	435	405	360	300	231	150

340 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	12.0	15.6	18.0	20.4	22.8	25.2	28.8
				LPM	200	260	300	340	380	420	480
TFRS612/34/4	4	5.0	3.7	TOTAL HEAD IN METERS	59	56	53	49	44	38	28
TFRS612/34/5	5	6.0	4.5		74	70	67	61	55	48	35
TFRS612/34/6	6	7.5	5.5		88	84	80	73	66	57	42
TFRS612/34/8	8	10.0	7.5		118	112	106	98	88	76	56
TFRS612/34/10	10	12.5	9.3		147	140	133	122	110	95	70
TFRS612/34/12	12	15.0	11.0		176	168	160	146	132	114	84
TFRS612/34/14	14	17.5	13.0		206	196	186	171	154	133	98
TFRS612/34/16	16	20.0	15.0		235	224	213	195	176	152	112
TFRS612/34/20	20	25.0	18.5		294	280	266	244	220	190	140
TFRS612/34/24	24	30.0	22.0		353	336	319	293	264	228	168

V6 (150MM) HIGH HEAD SUBMERSIBLE PUMPSETS

410 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	14.4	19.2	22.2	24.6	27.0	30.0	34.8
				LPM	240	320	370	410	450	500	580
TFRS615/41/2	2	3.0	2.2	TOTAL HEAD IN METERS	30	28	26	24	21	17	10
TFRS615/41/3	3	5.0	3.7		45	42	39	35	32	26	15
TFRS615/41/4	4	6.0	4.5		60	56	52	47	42	34	20
TFRS615/41/5	5	7.5	5.5		75	70	65	59	53	43	25
TFRS615/41/7	7	10.0	7.5		105	98	90	83	74	60	35
TFRS615/41/8	8	12.5	9.3		120	112	103	94	84	68	40
TFRS615/41/10	10	15.0	11.0		150	140	129	118	105	85	50
TFRS615/41/12	12	17.5	13.0		180	168	155	142	126	102	60
TFRS615/41/13	13	20.0	15.0		195	182	168	153	137	111	65
TFRS615/41/17	17	25.0	18.5		255	238	219	201	179	145	85
TFRS615/41/20	20	30.0	22.0		300	280	258	236	210	170	100

500 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	13.8	19.8	24.0	30.0	36.0	40.2	46.2
				LPM	230	330	400	500	600	670	770
TFRS620/50/3	3	6.0	4.5	TOTAL HEAD IN METERS	44	42	39	34	28	23	15
TFRS620/50/4	4	7.5	5.5		59	56	52	46	37	31	20
TFRS620/50/5	5	10.0	7.5		74	70	65	57	47	39	25
TFRS620/50/6	6	12.5	9.3		89	83	78	68	56	46	29
TFRS620/50/8	8	15.0	11.0		118	111	104	91	74	62	39
TFRS620/50/9	9	17.5	13.0		133	125	117	103	84	69	44
TFRS620/50/10	10	20.0	15.0		148	139	130	114	93	77	49
TFRS620/50/12	12	25.0	18.5		178	167	156	137	112	92	59
TFRS620/50/15	15	30.0	22.0		222	209	195	171	140	116	74

550 LPM

OUTLET SIZE : 65 MM 2900 RPM

PUMP MODEL	STAGE	MOTOR RATING		DISCHARGE							
		H.P	kW	M ³ /hr	19.2	22.8	27.6	33.0	38.4	43.2	46.8
				LPM	320	380	460	550	640	720	780
TFRS625/55/3	3	7.5	5.5	TOTAL HEAD IN METERS	46	44	41	36	29	22	15
TFRS625/55/4	4	10.0	7.5		61	59	55	48	39	29	20
TFRS625/55/5	5	12.5	9.3		76	74	69	60	49	36	25
TFRS625/55/6	6	15.0	11.0		91	89	83	72	58	43	30
TFRS625/55/8	8	20.0	15.0		122	118	110	96	78	58	40
TFRS625/55/9	9	25.0	18.5		137	133	124	108	87	65	45
TFRS625/55/10	10	25.0	18.5		152	148	138	120	97	72	50
TFRS625/55/12	12	30.0	22.0		182	178	166	144	116	86	60