

# Borewell Submersibles (TRS 30)

TARO "TRS 30 Series" - Three Phase Radial Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TRS 30 Series at 440V (-15% to +6%), 2880 rpm, 60 Hz AC Power Supply

Pump Type	Motor Type	Connection	Motor rating		Stages	Pipe size (mm)	CAPACITY									FL Current (A)
							Gpm	0.0	9.2	13.2	19.8	23.8	29.0	33.0	37.0	
							l/m	0.0	42.0	60.0	90.0	108	132	150	168	
							M <sup>3</sup> /hr	0.0	2.5	3.6	5.4	6.5	7.9	9.0	10.1	
l/s	0.0	0.7	1.0	1.5	1.7	2.2	2.5	2.8								
TRS 3005	TS 015	DOL	1.5	2	5	40	47.8	46.3	45.8	42.3	40.0	36.5	32.0	26.5	4.5	
TRS 3006	TS 015	DOL	1.5	2	6		57.3	55.5	54.9	50.7	48.0	43.8	38.4	31.8	4.5	
TRS 3007	TS 015	DOL	1.5	2	7		66.9	64.8	64.1	59.2	56.0	51.1	44.8	37.1	4.5	
TRS 3007	TS 022	DOL	2.2	3	7		66.9	64.8	64.1	59.2	56.0	51.1	44.8	37.1	6.5	
TRS 3008 #	TS 022	DOL	2.2	3	8		76.4	74.0	73.2	67.6	64.0	58.4	51.2	42.4	6.5	
TRS 3009 #*	TS 022	DOL	2.2	3	9		86.0	83.3	82.4	76.1	72.0	65.7	57.6	47.7	6.5	
TRS 3010	TS 030	DOL	3	4	10		95.5	92.5	91.5	84.5	80.0	73.0	64.0	53.0	8.5	
TRS 3011	TS 030	DOL	3	4	11		105	102	101	93	88.0	80.3	70.4	58.3	8.5	
TRS 3012 #*	TS 030	DOL	3	4	12		115	111	110	101	96.0	87.6	76.8	63.6	8.5	
TRS 3013 #*	TS 037	DOL	3.7	5	13		124	120	119	110	104	94.9	83.2	68.9	10	
TRS 3014	TS 037	DOL	3.7	5	14		134	130	128	118	112	102	89.6	74.2	10	
TRS 3015 #*	TS 037	DOL	3.7	5	15		143	139	137	127	120	110	96.0	79.5	10	
TRS 3015L	TS 037	DOL	3.7	5	15		143	139	137	127	120	82.5	64.5		11.85	
TRS 3016F*	TS 045	DOL	4.5	6	16		153	148	146	135	128	117	102	84.8	12	
TRS 3017F*	TS 045	DOL	4.5	6	17		162	157	156	144	136	124	109	90.1	12	
TRS 3018 #*	TS 045	DOL	4.5	6	18		172	167	165	152	144	131	115	95.4	12	
TRS 3018L	TS 045	DOL	4.5	6	18		172	167	165	152	144	99	77.4		17.2	
TRS 3019	TS 056	DOL/SD	5.5	7.5	19		181	176	174	161	152	139	122	101	14.5	
TRS 3020 #*	TS 056	DOL/SD	5.5	7.5	20		191	185	183	169	160	146	128	106	14.5	
TRS 3021	TS 056	DOL/SD	5.5	7.5	21		201	194	192	177	168	153	134	111	14.5	
TRS 3022 #*	TS 056	DOL/SD	5.5	7.5	22		210	204	201	186	176	161	141	117	14.5	
TRS 3023 #*	TS 056	DOL/SD	5.5	7.5	23		220	213	210	194	184	168	147	122	14.5	
TRS 3025F	TS 067	SD	6.7	9	25		239	231	229	211	200	183	160	133	18	
TRS 3030 #*	TS 075	SD	7.5	10	30		287	278	275	254	240	219	192	159	19.5	
TRS 3036	TS 093	SD	9.3	12.5	36		344	333	329	304	288	263	230	191	25	
TRS 3038	TS 093	SD	9.3	12.5	38		363	352	348	321	304	277	243	201	25	
TRS 3043	TS 112	SD	11	15	43		411	398	393	363	344	314	275	228	29	
TRS 3045	TS 112	SD	11	15	45		430	416	412	380	360	329	288	239	29	

HEAD VALUES IN METRES

Maximum outer diameter: 140 mm

# - TRS 30F series is also available in 2" delivery

L - Low voltage series

**PRODUCT TYPE KEY**

T R S 30 15 - Taro, Radial flow, Six inch, 30 series, 15 Stages

T S 037 - Three phase, Six inch motor (037 - Power code)

TRS 30/1.2/03/04

# Borewell Submersibles (TRS 40/43)

TARO "TRS 40/43 Series" - Three Phase Radial Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TRS 40/43 Series at 440V (-15% to +6%), 2880 rpm,  
 60 Hz AC Power Supply

Pump Type	Motor Type	Connection	Motor rating kW HP		Stages	Pipe size (mm)	CAPACITY										FL Current (A)		
							Gpm	0.0	15.8	19.8	23.8	29.0	33.0	35.6	42.9	46.2		52.8	55.4
							l/m	0.0	72	90	108	132	150	162	195	210		240	252
							M <sup>3</sup> /hr	0.0	4.3	5.4	6.5	7.9	9.0	9.7	11.7	12.6		14.4	15.1
							l/s	0.0	1.2	1.5	1.8	2.2	2.5	2.7	3.25	3.5		4.0	4.2
TRS 4004	TS 015	DOL	1.5	2	4	37.6	36.8	36.0	35.2	34.4	32.8	30.0	28.8	24.8	4.5				
TRS 4005	TS 015	DOL	1.5	2	5	47.0	46.0	45.0	44.0	43.0	41.0	37.5	36.0	31.0	4.5				
TRS 4005*	TS 022	DOL	2.2	3	5	47.0	46.0	45.0	44.0	43.0	41.0	37.5	36.0	31.0	6.5				
TRS 4006*	TS 022	DOL	2.2	3	6	56.4	55.2	54.0	52.8	51.6	49.2	45.0	43.2	37.2	6.5				
TRS 4007*	TS 030	DOL	3.0	4	7	65.8	64.4	63.0	61.6	60.2	57.4	52.5	50.4	43.4	8.5				
TRS 4008*	TS 030	DOL	3.0	4	8	75.2	73.6	72.0	70.4	68.8	65.6	60.0	57.6	49.6	8.5				
TRS 4009* #	TS 037	DOL	3.7	5	9	84.6	82.8	81.0	79.2	77.4	73.8	67.5	64.8	55.8	10				
TRS 4010* # / \$	TS 037	DOL	4.5	5	10	94.0	92.0	90.0	88.0	86.0	82.0	75.0	72.0	62.0	10				
TRS 4011* #	TS 045	DOL	4.5	6	11	103	101	99.0	96.8	94.6	90.2	82.5	79.2	68.2	12				
TRS 4012* # / \$	TS 045	DOL	4.5	6	12	113	110	108	106	103	98.4	90.0	86.4	74.4	12				
TRS 4013* #	TS 056	DOL/SD	5.5	7.5	13	122	120	117	114	112	107	97.5	93.6	80.6	14.5				
TRS 4014* #	TS 056	DOL/SD	5.5	7.5	14	132	129	126	123	120	115	105	101	86.8	14.5				
TRS 4015* # / \$	TS 056	DOL/SD	5.5	7.5	15	141	138	135	132	129	123	112.5	108	93.0	14.5				
TRS 4016	TS 067	SD	6.7	9	16	150	147	144	141	138	131	120	115	99.2	18				
TRS 4017	TS 067	SD	6.7	9	17	160	156	153	150	146	139	127.5	122	105	18				
TRS 4018	TS 067	SD	6.7	9	18	169	166	162	158	155	148	135	130	112	18				
TRS 4019*	TS 075	SD	7.5	10	19	179	175	171	167	163	156	142.5	137	118	19.5				
TRS 4020* \$	TS 075	SD	7.5	10	20	188	184	180	176	172	164	150	144	124	19.5				
TRS 4021*	TS 093	SD	9.3	12.5	21	197	193	189	185	181	172	157.5	151	130	25				
TRS 4022*	TS 093	SD	9.3	12.5	22	207	202	198	194	189	180	165	158	136	25				
TRS 4023*	TS 093	SD	9.3	12.5	23	216	212	207	202	198	189	172.5	166	143	25				
TRS 4024*	TS 093	SD	9.3	12.5	24	226	221	216	211	206	197	180	173	149	25				
TRS 4025*	TS 093	SD	9.3	12.5	25	235	230	225	220	215	205	187.5	180	155	25				
TRS 4030*	TS 112	SD	11	15	30	282	276	270	264	258	246	225	216	186	29				

D O L - Direct On Line      S D - Star Delta      Maximum outer diameter: 142 mm

# - E series is available (E - Economy pump + motor)

\$ - 'L' series is available performing as TRS 30 series

**PRODUCT TYPE KEY**

T R S 40 10 - Taro, Radial flow, Six inch, 40 series, 10 Stages

T S 037 - Three phase, Six inch motor (037 - Power code)

T R S 43 08 - Taro, Radial flow, Six inch, 43 series, 8 Stages

TRS 40-43/1.2/05/04

# Borewell Submersibles (TRS 40/43)

TARO "TRS 40/43 Series" - Three Phase Radial Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TRS 40/43 Series at 440V (-15% to +6%), 2880 rpm, 60 Hz  
 AC Power Supply (Contd...)

Pump Type	Motor Type	Connection	Motor rating kW HP		Stages	Pipe size (mm)	CAPACITY											FL Current (A)	
							Gpm	0.0	15.8	19.8	23.8	29.0	33.0	35.6	42.9	46.2	52.8		55.4
							l/m	0.0	72	90	108	132	150	162	195	210	240		252
							M <sup>3</sup> /hr	0.0	4.3	5.4	6.5	7.9	9.0	9.7	11.7	12.6	14.4		15.1
							l/s	0.0	1.2	1.5	1.8	2.2	2.5	2.7	3.25	3.5	4.0		4.2
TRS 4303	TS 015	DOL	1.5	2	3	30.6				28.8	28.2	27.3	24.0	23.1	18.9	17.1	4.5		
TRS 4304	TS 015	DOL	1.5	2	4	40.8				38.4	37.6	36.4	32.0	30.8	25.2	22.8	4.5		
TRS 4305	TS 022	DOL	2.2	3	5	51.0				48.0	47.0	45.5	40.0	38.5	31.5	28.5	6.5		
TRS 4306*	TS 030	DOL	3	4	6	61.2				57.6	56.4	54.6	48.0	46.2	37.8	34.2	8.5		
TRS 4308*	TS 037	DOL	3.7	5	8	81.6				76.8	75.2	72.8	64.0	61.6	50.4	45.6	10		
TRS 4310*	TS 045	DOL	4.5	6	10	102				96.0	94.0	91.0	80.0	77.0	63.0	57.0	12		
TRS 4312*	TS 056	DOL/SD	5.5	7.5	12	122				115	113	109	96.0	92.4	75.6	68.4	14.5		
TRS 4313*	TS 056	DOL/SD	5.5	7.5	13	133				125	122	118	104	100	81.9	74.1	14.5		
TRS 4315*	TS 075	SD	7.5	10	15	153				144	141	137	120	116	94.5	85.5	19.5		
TRS 4316*	TS 075	SD	7.5	10	16	163				154	150	146	128	123	101	91.2	19.5		
TRS 4318	TS 093	SD	9.3	12.5	18	184				173	169	164	144	139	113	103	25		
TRS 4319	TS 093	SD	9.3	12.5	19	194				182	179	173	152	146	120	108	25		
TRS 4320*	TS 093	SD	9.3	12.5	20	204				192	188	182	160	154	126	114	25		
TRS 4322*	TS 093	SD	9.3	12.5	22	224				211	207	200	176	169	139	125	25		
TRS 4325*	TS 112	SD	11	15	25	255				240	235	228	200	193	158	143	29		
TRS 4330	TS 130	SD	13	17.5	30	306				288	282	273	240	231	189	171	34		
TRS 4330	TS 150	SD	15	20	30	306				288	282	273	240	231	189	171	39		

D O L - Direct On Line      S D - Star Delta      Maximum outer diameter: 142 mm

# - E series is available (E - Economy pump + motor)

\$ - 'L' series is available performing as TRS 30 series

### PRODUCT TYPE KEY

T R S 40 10 - Taro, Radial flow, Six inch, 40 series, 10 Stages

T S 037 - Three phase, Six inch motor (037 - Power code)

T R S 43 08 - Taro, Radial flow, Six inch, 43 series, 8 Stages

TRS 40-43/1.2/05/04

# Borewell Submersibles (TRS 45)

TARO "TRS 45 Series" - Three Phase Radial Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TRS 45 Series at 440V (-15% to +6%), 2880 rpm, 60 Hz AC Power Supply

Pump Type	Motor Type	Connection	Motor rating		Stages	Pipe size (mm)	CAPACITY								FL Current (A)	
							Gpm	0.0	33.0	39.6	46.2	52.8	59.4	66.0		72.6
							l/m	0.0	150	180	210	240	270	300		330
							M <sup>3</sup> /hr	0.0	9.0	10.8	12.6	14.4	16.2	18.0		19.8
			kW	HP			l/s	0.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	
TRS 4503	TS 015	DOL	1.5	2	3	30.0	27.9	27.0	26.4	24.0	22.8	20.4	17.4	4.5		
TRS 4504*	TS 022	DOL	2.2	3	4	40.0	37.2	36.0	35.2	32.0	30.4	27.2	23.2	6.5		
TRS 4505*	TS 030	DOL	3	4	5	50.0	46.5	45.0	44.0	40.0	38.0	34.0	29.0	8.5		
TRS 4506* # / \$	TS 037	DOL	3.7	5	6	60.0	55.8	54.0	52.8	48.0	45.6	40.8	34.8	10		
TRS 4507* #	TS 037	DOL	3.7	5	7	70.0	65.1	63.0	61.6	56.0	53.2	47.6	40.6	10		
TRS 4508T*	TS 037	DOL	3.7	5	8	80.0	74.4	72.0	70.4	60.0	60.8	54.4	46.4	10		
TRS 4508* # / \$	TS 037	DOL	3.7	5	8	80.0	74.4	72.0	70.4	64.0	60.8	54.4	46.4	10		
TRS 4508* #	TS 045	DOL	4.5	6	8	80.0	74.4	72.0	70.4	64.0	60.8	54.4	46.4	12		
TRS 4509* #	TS 056	DOL/SD	5.5	7.5	9	90.0	83.7	81.0	79.2	72.0	68.4	61.2	52.2	14.5		
TRS 4510* # / \$	TS 056	DOL/SD	5.5	7.5	10	100	93.0	90.0	88.0	80.0	76.0	68.0	58.0	14.5		
TRS 4511	TS 067	SD	6.7	9	11	110	102	99.0	96.8	88.0	83.6	74.8	63.8	18		
TRS 4512	TS 067	SD	6.7	9	12	120	112	108	106	96.0	91.2	81.6	69.6	18		
TRS 4513* \$	TS 075	SD	7.5	10	13	130	121	117	114	104	98.8	88.4	75.4	19.5		
TRS 4514*	TS 093	SD	9.3	12.5	14	140	130	126	123	112	106	95.2	81.2	25		
TRS 4515*	TS 093	SD	9.3	12.5	15	150	140	135	132	120	114	102	87.0	25		
TRS 4516* \$	TS 093	SD	9.3	12.5	16	160	149	144	141	128	122	109	92.8	25		
TRS 4517*	TS 112	SD	11	15	17	170	158	153	150	136	129	116	98.6	29		
TRS 4518*	TS 112	SD	11	15	18	180	167	162	158	144	137	122	104	29		
TRS 4519*	TS 112	SD	11	15	19	190	177	171	167	152	144	129	110	29		
TRS 4520* \$	TS 112	SD	11	15	20	200	186	180	176	160	152	136	116	29		
TRS 4521*	TS 130	SD	13	17.5	21	210	195	189	185	168	160	143	122	34		
TRS 4522*	TS 130	SD	13	17.5	22	220	205	198	194	176	167	150	128	34		
TRS 4523*	TS 130	SD	13	17.5	23	230	214	207	202	184	175	156	133	34		
TRS 4524*	TS 150	SD	15	20	24	240	223	216	211	192	182	163	139	39		
TRS 4525*	TS 150	SD	15	20	25	250	233	225	220	200	190	170	145	39		
TRS 4526*	TS 150	SD	15	20	26	260	242	234	229	208	198	177	151	39		
TRS 4530*	TS 150	SD	15	20	30	300	279	270	264	240	228	204	174	39		

D O L - Direct On Line    S D - Star Delta

Maximum outer diameter: 142 mm

# - E series is available (E - Economy pump + motor)    \$ - 'L' series is available performing as TRS 43 series

### PRODUCT TYPE KEY

T R S 45 08 - Taro, Radial flow, Six inch, 45 series, 8 Stages

T S 037 - Three phase, Six inch motor (037 - Power code)

T R S 45 08 T - Taro, Radial flow, Six inch, 45 series, 8 Stages (Trimmed impeller)

TRS 45/1.2/05/04

# Borewell Submersibles (TRS 50)

TARO "TRS 50 Series" - Three Phase Radial Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TRS 50 Series at 440V (-15% to +6%), 2880 rpm, 60 Hz  
 AC Power Supply

Pump Type	Motor Type	Connection	Motor rating		Stages	Pipe size (mm)	CAPACITY										FL Current (A)
							Gpm	0.0	46.2	52.8	59.4	66.0	72.6	85.8	92.4	99.0	
							l/m	0.0	210	240	270	300	330	390	420	450	
							M <sup>3</sup> /hr	0.0	12.6	14.4	16.2	18.0	19.8	23.4	25.2	27.0	
			kW	HP			l/s	0.0	3.5	4.0	4.5	5.0	5.5	6.5	7.0	7.5	
TRS 5002	TS 015	DOL	1.5	2	2	50	21.0	18.8	18.2	17.4	16.0	15.4	12.6	10.0	8.0	4.5	
TRS 5003*	TS 022	DOL	2.2	3	3		31.5	28.2	27.3	26.1	24.0	23.1	18.9	15.0	12.0	6.5	
TRS 5004*	TS 030	DOL	3	4	4		42.0	37.6	36.4	34.8	32.0	30.8	25.2	20.0	16.0	8.5	
TRS 5005* # / \$	TS 037	DOL	3.7	5	5		52.5	47.0	45.5	43.5	40.0	38.5	31.5	25.0	20.0	10	
TRS 5006* # / \$	TS 045	DOL	4.5	6	6		63.0	56.4	54.6	52.2	48.0	46.2	37.8	30.0	24.0	12	
TRS 5007* #	TS 056	DOL/SD	5.5	7.5	7		73.5	65.8	63.7	60.9	56.0	53.9	44.1	35.0	28.0	14.5	
TRS 5008* # / \$	TS 056	DOL/SD	5.5	7.5	8		84.0	75.2	72.8	69.6	64.0	61.6	50.4	40.0	32.0	14.5	
TRS 5009	TS 067	SD	6.7	9	9		94.5	84.6	81.9	78.3	72.0	69.3	56.7	45.0	36.0	18	
TRS 5010* \$	TS 075	SD	7.5	10	10		105	94.0	91.0	87.0	80.0	77.0	63.0	50.0	40.0	19.5	
TRS 5011	TS 093	SD	9.3	12.5	11		116	103	100	95.7	88.0	84.7	69.3	55.0	44.0	25	
TRS 5012* \$	TS 093	SD	9.3	12.5	12		126	113	109	104	96.0	92.4	75.6	60.0	48.0	25	
TRS 5013*	TS 112	SD	11	15	13		137	122	118	113	104	100	81.9	65.0	52.0	29	
TRS 5014	TS 112	SD	11	15	14		147	132	127	122	112	108	88.2	70.0	56.0	29	
TRS 5015* \$	TS 112	SD	11	15	15		158	141	137	131	120	116	94.5	75.0	60.0	29	
TRS 5016	TS 130	SD	13	17.5	16		168	150	146	139	128	123	101	80.0	64.0	34	
TRS 5017*	TS 130	SD	13	17.5	17		179	160	155	148	136	131	107	85.0	68.0	34	
TRS 5018	TS 150	SD	15	20	18		189	169	164	157	144	139	113	90.0	72.0	39	
TRS 5019	TS 150	SD	15	20	19		200	179	173	165	152	146	120	95.0	76.0	39	
TRS 5020*	TS 150	SD	15	20	20		210	188	182	174	160	154	126	100	80.0	39	

D O L - Direct On Line    S D - Star Delta    Maximum outer diameter: 142 mm

# - E series is available (E - Economy pump + motor)

\$ - 'L' series is available performing as TRS 45 series

### PRODUCT TYPE KEY

T R S 50 05 - Taro, Radial flow, Six inch, 50 series, 05 Stages

T S 037 - Three phase, Six inch motor (037 - Power code)

TRS 50/1.2/05/04