

# Borewell Submersibles (TMS 55/60)

TARO "TMIF 55/60 Series" - Three Phase Mixed Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TMS 55/60 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	46.2	52.8	66.0	85.8	105.6	112.2	125.4	145.2	
							l/m	0.0	210	240	300	390	480	510	570	660	
							M <sup>3</sup> /hr	0.0	12.6	14.4	18.0	23.4	28.8	30.6	34.2	39.6	
							l/s	0.0	3.5	4.0	5.0	6.5	8.0	8.5	9.5	11.0	
TMS 5502	TS 015	DOL	1.5	2	2	19.0	17.2	16.8	16.4	15.0	13.6	12.8	11.6	8.4	4.5		
TMS 5503	TS 022	DOL	2.2	3	3	28.5	25.8	25.2	24.6	22.5	20.4	19.2	17.4	12.6	6.5		
TMS 5504	TS 030	DOL	3	4	4	38.0	34.4	33.6	32.8	30.0	27.2	25.6	23.2	16.8	8.5		
TMS 5505	TS 037	DOL	3.7	5	5	47.5	43.0	42.0	41.0	37.5	34.0	32.0	29.0	21.0	10		
TMS 5506	TS 045	DOL	4.5	6	6	57.0	51.6	50.4	49.2	45.0	40.8	38.4	34.8	25.2	12		
TMS 5507 #	TS 056	DOL/SD	5.5	7.5	7	66.5	60.2	58.8	57.4	52.5	47.6	44.8	40.6	29.4	14.5		
TMS 5508 #	TS 056	DOL/SD	5.5	7.5	8	76.0	68.8	67.2	65.6	60.0	54.4	51.2	46.4	33.6	14.5		
TMS 5509	TS 067	SD	6.7	9	9	85.5	77.4	75.6	73.8	67.5	61.2	57.6	52.2	37.8	18		
TMS 5510 #	TS 075	SD	7.5	10	10	95.0	86.0	84.0	82.0	75.0	68.0	64.0	58.0	42.0	19.5		
TMS 5511	TS 093	SD	9.3	12.5	11	105	94.6	92.4	90.2	82.5	74.8	70.4	63.8	46.2	25		
TMS 5512 #	TS 093	SD	9.3	12.5	12	114	103	101	98.4	90.0	81.6	76.8	69.6	50.4	25		
TMS 5513	TS 112	SD	11	15	13	124	112	109	107	97.5	88.4	83.2	75.4	54.6	29		
TMS 5514	TS 112	SD	11	15	14	133	120	118	115	105	95.2	89.6	81.2	58.8	29		
TMS 5515 #	TS 112	SD	11	15	15	143	129	126	123	112.5	102	96.0	87.0	63.0	29		
TMS 5516	TS 130	SD	13	17.5	16	152	138	134	131	120	109	102	92.8	67.2	34		
TMS 5517	TS 130	SD	13	17.5	17	162	146	143	139	127.5	116	109	98.6	71.4	34		
TMS 5518	TS 150	SD	15	20	18	171	155	151	148	135	122	115	104	75.6	39		
TMS 5519	TS 150	SD	15	20	19	181	163	160	156	142.5	129	122	110	79.8	39		
TMS 5520	TS 150	SD	15	20	20	190	172	168	164	150	136	128	116	84.0	39		
TMS 6004 *	TS 037	DOL	3.7	5	4	40.0		36.8	34.8	33.2	32.0	30.0	28.4	22.8	10		
TMS 6005	TS 045	DOL	4.5	6	5	50.0		46.0	43.5	41.5	40.0	37.5	35.5	28.5	12		
TMS 6006 *	TS 056	DOL/SD	5.5	7.5	6	60.0		55.2	52.2	49.8	48.0	45.0	42.6	34.2	14.5		
TMS 6007	TS 067	SD	6.7	9	7	70.0		64.4	60.9	58.1	56.0	52.5	49.7	39.9	18		
TMS 6008 *	TS 075	SD	7.5	10	8	80.0		73.6	69.6	66.4	64.0	60.0	56.8	45.6	19.5		
TMS 6009 *	TS 093	SD	9.3	13	9	90.0		82.8	78.3	74.7	72.0	67.5	63.9	51.3	25		
TMS 6010 *	TS 093	SD	9.3	13	10	100		92.0	87.0	83.0	80.0	75.0	71.0	57.0	25		
TMS 6011	TS 112	SD	11	15	11	110		101	95.7	91.3	88.0	82.5	78.1	62.7	29		
TMS 6012 *	TS 112	SD	11	15	12	120		110	104	99.6	96.0	90.0	85.2	68.4	29		
TMS 6013	TS 130	SD	13	18	13	130		120	113	108	104	97.5	92.3	74.1	34		
TMS 6014	TS 130	SD	13	18	14	140		129	122	116	112	105	99.4	79.8	34		
TMS 6015	TS 150	SD	15	20	15	150		138	131	125	120	112.5	107	85.5	39		
TMS 6016	TS 150	SD	15	20	16	160		147	139	133	128	120	114	91.2	39		

D O L - Direct On Line

S D - Star Delta

Maximum outer diameter: 142 mm

# - 'L' series is also available

### PRODUCT TYPE KEY

T M S 55 05 - Taro, Mixed flow, Six inch, 55 series, 05 Stages

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

T M S 60 04 - Taro, Mixed flow, Six inch, 60 series, 04 Stages

TMIF 60-TMS 55-60/1.2/10/03

# Borewell Submersibles (TMS 65/70/75)

TARO "TMS 65/70/75 Series" - Three Phase Mixed Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TMS 65/70/75 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	85.8	106	119	139	152	165	185	205		218	238
							l/m	0.0	390	480	540	630	690	750	840	930		990	1080
							M <sup>3</sup> /hr	0.0	23.4	28.8	32.4	37.8	41.4	45.0	50.4	55.8		59.4	64.8
							l/s	0.0	6.5	8.0	9.0	10.5	11.5	12.5	14.0	15.5		16.5	18.0
TMS 6502	TS 022	DOL	2.2	3	2	65	21.4	18.6	17.8	17.0	15.0	14.8	14.6	14.0	12.4	10.6	6.5		
TMS 6503* @	TS 037	DOL	3.7	5	3		32.1	27.9	26.7	25.5	22.5	22.2	21.9	21.0	18.6	15.9	10		
TMS 6504 @	TS 045	DOL	4.5	6	4		42.8	37.2	35.6	34.0	30.0	29.6	29.2	28.0	24.8	21.2	12		
TMS 6505* @	TS 056	DOL/SD	5.5	7.5	5		53.5	46.5	44.5	42.5	37.5	37.0	36.5	35.0	31.0	26.5	14.5		
TMS 6506	TS 067	SD	6.7	9	6		64.2	55.8	53.4	51.0	45.0	44.4	43.8	42.0	37.2	31.8	18		
TMS 6507	TS 075	SD	7.5	10	7		74.9	65.1	62.3	59.5	52.5	51.8	51.1	49.0	43.4	37.1	19.5		
TMS 6508	TS 093	SD	9.3	12.5	8		85.6	74.4	71.2	68.0	60.0	59.2	58.4	56.0	49.6	42.4	25		
TMS 6509	TS 112	SD	11	15	9		96.3	83.7	80.1	76.5	67.5	66.6	65.7	63.0	55.8	47.7	29		
TMS 6510	TS 112	SD	11	15	10		107	93.0	89.0	85.0	75.0	74.0	73.0	70.0	62.0	53.0	29		
TMS 6511	TS 130	SD	13	17.5	11		118	102	97.9	93.5	82.5	81.4	80.3	77.0	68.2	58.3	34		
TMS 6512	TS 130	SD	13	17.5	12		128	112	107	102	90.0	88.8	87.6	84.0	74.4	63.6	34		
TMS 6513	TS 150	SD	15	20	13		139	121	116	111	97.5	96.2	94.9	91.0	80.6	68.9	39		
TMS 6514	TS 150	SD	15	20	14		150	130	125	119	105	104	102	98.0	86.8	74.2	39		
TMS 7002	TS 030	DOL	3	4	2		75	20.6	19.0	18.4	16.0	14.8	14.4	12.5	10.5	8.5	8.5		
TMS 7003 #	TS 045	DOL	4.5	6	3	30.9		28.5	27.6	24.0	22.2	21.6	18.8	15.8	12.8	12			
TMS 7004 #	TS 056	DOL/SD	5.5	7.5	4	41.2		38.0	36.8	32.0	29.6	28.8	25.0	21.0	17.0	14.5			
TMS 7005 #	TS 075	SD	7.5	10	5	51.5		47.5	46.0	40.0	37.0	36.0	31.3	26.3	21.3	19.5			
TMS 7006 #	TS 093	SD	9.3	12.5	6	61.8		57.0	55.2	48.0	44.4	43.2	37.5	31.5	25.5	25			
TMS 7007 #	TS 112	SD	11	15	7	72.1		66.5	64.4	56.0	51.8	50.4	43.8	36.8	29.8	29			
TMS 7008	TS 112	SD	11	15	8	82.4		76.0	73.6	64.0	59.2	57.6	50.0	42.0	34.0	29			
TMS 7009	TS 130	SD	13	17.5	9	92.7		85.5	82.8	72.0	66.6	64.8	56.3	47.3	38.3	34			
TMS 7010	TS 150	SD	15	20	10	103		95.0	92.0	80.0	74.0	72.0	62.5	52.5	42.5	39			
TMS 7502	TS 037	DOL	3.7	5	2	21.0		18.4	17.8	16.8	16.0	15.8	14.8	13.4	12.2	10.4	10		
TMS 7503 \$ #	TS 056	DOL/SD	5.5	7.5	3	31.5		27.6	26.7	25.2	24.0	23.7	22.2	20.1	18.3	15.6	14.5		
TMS 7504	TS 056	DOL/SD	5.5	7.5	4	42.0		36.8	35.6	33.6	32.0	31.6	29.6	26.8	24.4	20.8	19.5		
TMS 7504 \$ #	TS 075	SD	7.5	10	4	42.0		36.8	35.6	33.6	32.0	31.6	29.6	26.8	24.4	20.8	19.5		
TMS 7505 #	TS 093	SD	9.3	12.5	5	52.5		46.0	44.5	42.0	40.0	39.5	37.0	33.5	30.5	26.0	25		
TMS 7506 #	TS 112	SD	11	15	6	63.0	55.2	53.4	50.4	48.0	47.4	44.4	40.2	36.6	31.2	29			
TMS 7507 #	TS 130	SD	13	17.5	7	73.5	64.4	62.3	58.8	56.0	55.3	51.8	46.9	42.7	36.4	34			
TMS 7508	TS 150	SD	15	20	8	84.0	73.6	71.2	67.2	64.0	63.2	59.2	53.6	48.8	41.6	39			

D O L - Direct On Line

S D - Star Delta

Maximum outer diameter: 142 mm

@ - 'F series' is also available with 75 mm delivery

# - 'L' series & \$ - 'F series in 100 mm delivery are available

**Note:** All 6" motors except 2 & 9 HP are ISI marked

### PRODUCT TYPE KEY

T M S 65 03 - Taro, Mixed flow, Six inch, 65 series, 3 Stages

T M S 75 02 - Taro, Mixed flow, Six inch, 75 series, 2 Stages

T M S 70 03 - Taro, Mixed flow, Six inch, 70 series, 3 Stages

T S 045 - Three phase, Six inch motor (045 - Power code)

TMS 65-70-75/1.2/12/03

# Borewell Submersibles (TMS 100)

TARO "TMS 100 Series" - Three Phase Mixed Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TMS 100 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	152	165	185	205	218	238	257	277		297
							l/m	0.0	690	750	840	930	990	1080	1170	1260		1350
							M <sup>3</sup> /hr	0.0	41.4	45.0	50.4	55.8	59.4	64.8	70.2	75.6		81.0
							l/s	0.0	11.5	12.5	14.0	15.5	16.5	18.0	19.5	21.0		22.5
TMS 10002	TS 037	DOL	3.7	5	2	HEAD VALUES IN METRES 100	22.8	17.0	15.8	15.0	14.0	13.3	12.2	10.7	8.8	6.7	10	
TMS 10003	TS 056	DOL/SD	5.5	7.5	3		34.2	25.5	23.7	22.5	21.0	20.0	18.3	16.1	13.2	10.1	14.5	
TMS 10004	TS 075	SD	7.5	10	4		45.6	34.0	31.6	30.0	28.0	26.6	24.4	21.4	17.6	13.4	19.5	
TMS 10005	TS 093	SD	9.3	12.5	5		57.0	42.5	39.5	37.5	35.0	33.3	30.5	26.8	22.0	16.8	25	
TMS 10006	TS 112	SD	11	15	6		68.4	51.0	47.4	45.0	42.0	39.9	36.6	32.1	26.4	20.1	29	
TMS 10007	TS 130	SD	13	17.5	7		79.8	59.5	55.3	52.5	49.0	46.6	42.7	37.5	30.8	23.5	34	
TMS 10008	TS 150	SD	15	20	8		91.2	68.0	63.2	60.0	56.0	53.2	48.8	42.8	35.2	26.8	39	

D O L - Direct On Line

S D - Star Delta

Maximum outer diameter: 142 mm

## PRODUCT TYPE KEY

TMS 100 03 - Taro, Mixed flow, Six inch, 100 series, 3 Stages

TS 056 - Three phase, Six inch motor (056 - Power code)

# Borewell Submersibles (TMS 55L/60L)

TARO "TMIF 55L/60L Series" - Three Phase Mixed Flow Submersible Pumpsets for 6" Borewells  
 Approximate performance values of TMS 55L/60L Series at 350 V (-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	46.2	52.8	66.0	85.8	105.6	112.2	125.4	145.2	
							l/m	0.0	210	240	300	390	480	510	570	660	
							M <sup>3</sup> /hr	0.0	12.6	14.4	18.0	23.4	28.8	30.6	34.2	39.6	
							l/s	0.0	3.5	4.0	5.0	6.0	7.0	7.7	8.5	10.0	
TMS 5505 L	TS 037 L	DOL	3.7	5	5	47.5	43.0	42.0	41.0	37.5	34.0	32.0	29.0	21.0	11.85		
TMS 5506 L	TS 045 L	DOL	4.5	6	6	57.0	51.6	50.4	49.2	45.0	40.8	38.4	34.8	25.2	14.2		
TMS 5507 L	TS 056 L	DOL/SD	5.5	7.5	7	66.5	60.2	58.8	57.4	52.5	47.6	44.8	40.6	29.4	17.2		
TMS 5508 L	TS 056 L	DOL/SD	5.5	7.5	8	76.0	68.8	67.2	65.6	60.0	54.4	51.2	46.4	33.6	17.2		
TMS 5510 L	TS 075 L	SD	7.5	10	10	95.0	86.0	84.0	82.0	75.0	68.0	64.0	58.0	42.0	23.1		
TMS 5512 L	TS 093 L	SD	9.3	12.5	12	114	103	101	98.4	90.0	81.6	76.8	69.6	50.4	29.6		
TMS 5515 L	TS 112 L	SD	11	15	15	143	129	126	123	112.5	102	96.0	87.0	63.0	34.4		
TMS 6004 L	TS 037 L	DOL	3.7	5	4	40.0	36.8	34.8	33.2	32.0	30.0	28.4	22.8	11.85			
TMS 6005 L	TS 045 L	DOL	4.5	6	5	50.0	46.0	43.5	41.5	40.0	37.5	35.5	28.5	14.2			
TMS 6006 L	TS 056 L	DOL/SD	5.5	7.5	6	60.0	55.2	52.2	49.8	48.0	45.0	42.6	34.2	17.2			
TMS 6008 L	TS 075 L	SD	7.5	10	8	80.0	73.6	69.6	66.4	64.0	60.0	56.8	45.6	23.1			
TMS 6009 L	TS 093 L	SD	9.3	12.5	9	90.0	82.8	78.3	74.7	72.0	67.5	63.9	51.3	29.6			
TMS 6010 L	TS 093 L	SD	9.3	12.5	10	100	92.0	87.0	83.0	80.0	75.0	71.0	57.0	29.6			
TMS 6011 L	TS 112 L	SD	11	15	11	110	101	95.7	91.3	88.0	82.5	78.1	62.7	34.4			
TMS 6012 L	TS 112 L	SD	11	15	12	120	110	104	99.6	96.0	90.0	85.2	68.4	34.4			

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

Maximum outer diameter: 142 mm

### PRODUCT TYPE KEY

T M S 55 05 L - TarO, Mixed flow, Six inch, 55 series, 05 Stages (Low voltage)

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

T M S 60 04 L - TarO, Mixed flow, Six inch, 60 series, 04 Stages (Low voltage)