

# 5" – 10" Texas Submersible Turbine Pumps

For 6" and larger wells



## SPECIFICATIONS

Model	Operating Range GPM	Best Efficiency Range	Horsepower Range	Discharge Connections	Minimum Well Size
05WALC	15 – 80	50	5 – 20	3", 4"	6"
05WAHC	20 – 100	70	5 – 25	3", 4"	6"
05CLC	50 – 180	110	5 – 30	3", 4"	6"
05CHC	70 – 220	150	5 – 50	3", 4"	6"
05TLC	75 – 220	170	5 – 40	3", 4"	6"
05THC	150 – 300	240	5 – 60	3", 4"	6"
06CLC	100 – 200	160	5 – 40	3", 4"	8"
06CHC	150 – 300	225	5 – 50	3", 4"	8"
06DLC	200 – 450	350	5 – 30	3", 4"	8"
06DHC	300 – 550	425	5 – 30	3", 4"	8"
07WALC	150 – 300	250	7½ – 60	4", 5", 6"	8"
07WAHC	200 – 350	275	10 – 75	4", 5", 6"	8"
07CLC	250 – 460	350	10 – 100	4", 5", 6"	8"
07CHC	300 – 600	450	15 – 100	4", 5", 6"	8"
07TLC	300 – 650	500	10 – 100	4", 5", 6"	8"
07THC	400 – 800	700	15 – 100	4", 5", 6"	8"
09WALC	250 – 550	400	15 – 100	5", 6", 8"	10"
09WAHC	300 – 600	425	20 – 150	5", 6", 8"	10"
09RCLC	400 – 1200	900	40 – 150	5", 6", 8"	10"
09RCHC	500 – 1400	1000	60 – 150	5", 6", 8"	10"
09TLC	750 – 1700	1250	40 – 150	5", 6", 8"	10"
09THC	800 – 2000	1600	60 – 150	5", 6", 8"	10"
10JLC	700 – 1250	1000	30 – 150	6", 8"	12"

## FEATURES

- **Discharge Bowl:** Several discharge sizes available for NPT.
- **Discharge Bearing:** Extra long sealed top bronze bearing insures positive shaft alignment and stabilization for extended life.
- **Intermediate Bowl:** Close grained class 30 cast iron. Nonmetallic coatings on 7" and larger pumps for maximum efficiency and abrasion resistance.
- **Impellers:** Unleaded silicon brass impellers are made of ASTM B584 C87500. Designed for maximum efficiency with wide range hydraulic coverage.

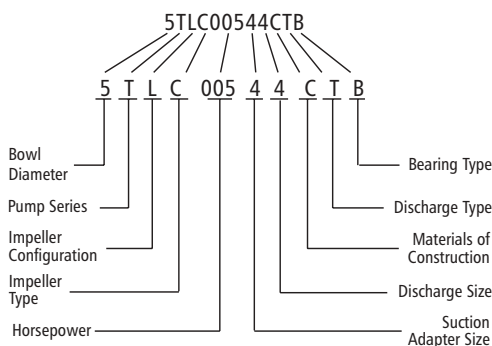
- **Uphrust Collar:** Designed for extra margin of safety against possible momentary upthrust occurring at start-up.
- **Intermediate Bowl Bearings:** Reliable long life rubber bearings (optional bronze available).
- **Taperlocks:** Accurately machined to insure positive locking of impeller to pump shaft.

- **Suction Inlet:** Contoured for smooth flow entrance. Protected by an oversized stainless steel strainer to prevent entrance of damaging solids.
- **Suction Adapter:** Ductile iron for increased strength and positive motor alignment. Open area permits easy access to pump/motor coupling.
- **Pump and Motor Coupling:** Large stainless steel coupling accurately matched for perfect alignment, balance and power transmission.
- **Pump Shaft:** 100,000 PSI high tensile stainless steel provides strength and excellent corrosion resistance. Ground and polished for smooth bearing surface.
- **Powered for Continuous Operation:** All ratings are within the working limits of the motor manufacturer. Pump

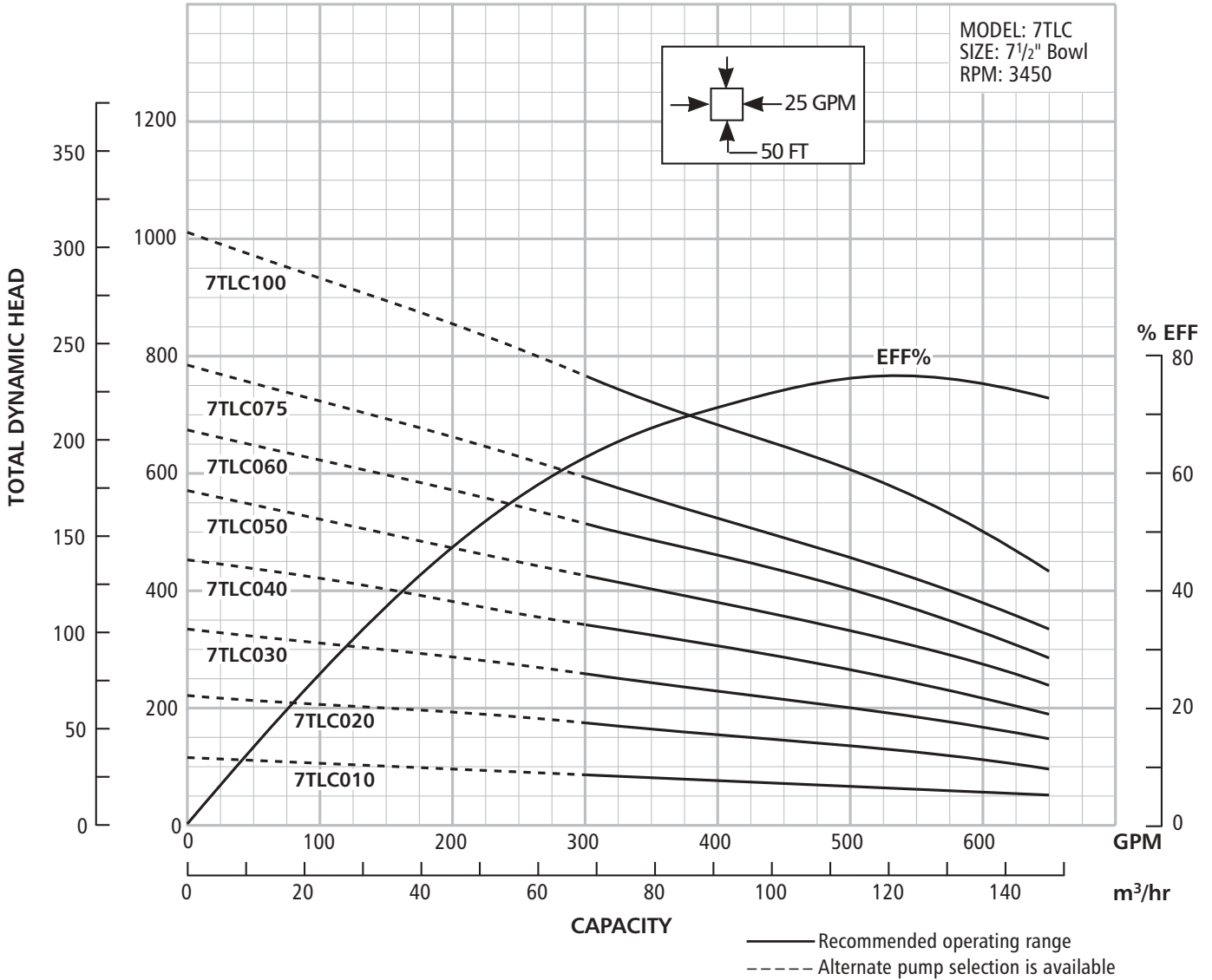
- can be operated continuously without fear of damage to the motor.
- **Franklin Electric Motor:**
  - Corrosion-resistant construction.
  - Stainless steel splined shaft.
  - Hermetically sealed windings.
  - Anti-track self-healing resin system.
  - Water lubrication.
  - Filter check valve.
  - Kingsbury-type thrust bearing.
  - Pressure equalizing diaphragm.
  - Sand fighter slinger.
  - Removable water-bloc lead connector.
  - UL 778 recognized.

Goolds Pumps is ISO 9001 Registered.

## ORDER NUMBER CODE



METERS FEET



## DIMENSIONS AND WEIGHTS

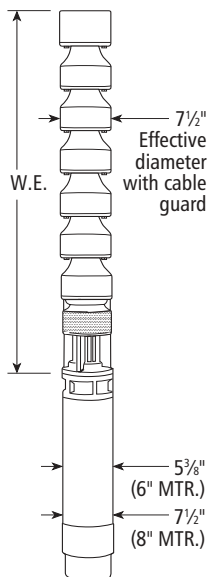
HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
10	1	07TLC01066BTS	23.6	78
20	2	07TLC02066BTS	30.7	109
30	3	07TLC03066BTS	37.8	140
40	4	07TLC04066BTS	44.7	171
50	5	07TLC05066BTS	52.0	202
60	6	07TLC06066BTS	59.0	233
75	7	07TLC07586BTS	67.8	276
100	9	07TLC10086BTS	81.8	338

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

### PLEASE NOTE:

- Order motors separately.
- For intermediate horsepower pumps consult factory.
- Solid line is recommended operating range. The dotted line (---) signifies an alternate pump selection is available.
- Please specify all options changes in W.E. order number.

## 6" NPT DISCHARGE CONNECTION



## MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft	ASTM A582 TYPE 416
Coupling	ASTM A582 S41600 CD
Suction Adapter	Ductile Iron ASTM A536
Discharge Bowl	ASTM A48 CL 30B
Rubber Bearings	RUBBER
Optional Bronze Bearings	ASTM B584
Discharge Bowl Bearing	ASTM B584
Taperlocks	ASTM A108 GR 101B
Bowl	ASTM A48 CL 30B
Upthrust Collar	Polyethylene
Impeller	ASTM B584
Fasteners	SAEJ429 GR 8
Cable Guard	ASTM A240 S 30400
Suction Strainer	ASTM A240 S 30400



# ITT

Turbine

## Goulds Pumps

### 5" – 11" TEXAS PRE-ENGINEERED SUBMERSIBLE TURBINE PUMPS

For 6" and larger wells



## GOULDS PUMPS

Goulds Pumps is a brand of ITT Corporation.

[www.goulds.com](http://www.goulds.com)

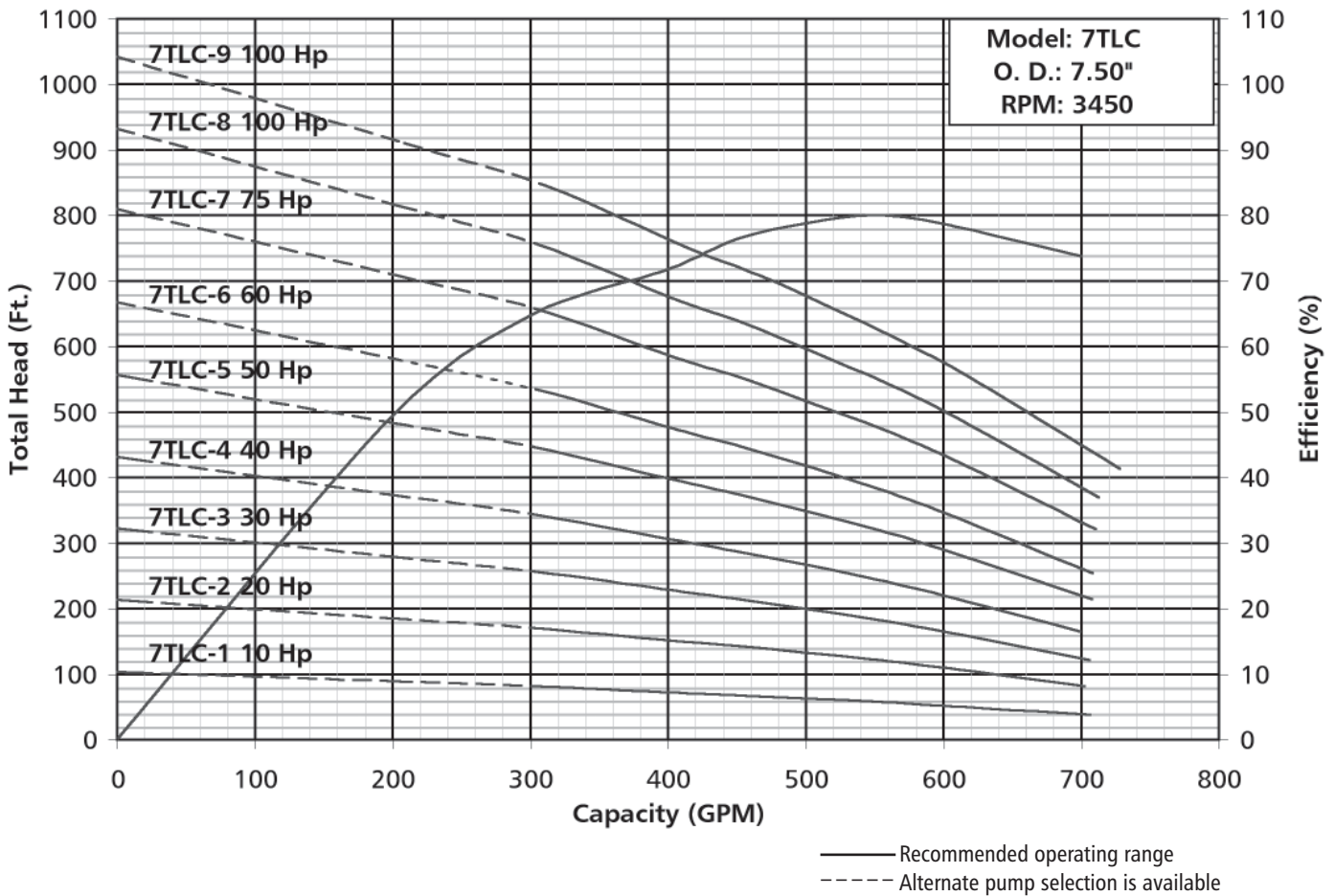
*Engineered for life*

### FEATURES

- **Discharge Bowl:** Several discharge sizes available (NPT).
- **Discharge Bearing:** Extra long sealed top bronze bearing insures shaft alignment and stabilization for extended life.
- **Intermediate Bowl:** Class 30 cast iron. Glass coating on 6" and larger bowls for maximum efficiency and abrasion resistance.
- **Intermediate Bearings:** Available in either no-lead bronze or rubber.
- **Impellers:** Designed for maximum efficiency with a wide range hydraulic coverage. Made of low zinc and no lead material suitable for drinking water applications.
- **Taperlock:** Accurately machined to ensure positive locking of the impeller to the pump shaft.
- **Upthrust Collar:** Designed with extra margin of safety against momentary upthrust at start-up.
- **Suction Adapter:** Designed to ensure proper pump/motor alignment. Open area permits easy access to pump/motor coupling. Casting made of ductile iron for increased strength.
- **Pump to Motor Coupling:** Stainless steel coupling accurately machined for perfect alignment, balance and power transmission.
- **Pump Shaft:** 100,000 PSI high tensile type 416 stainless steel provides strength and corrosion resistance. Ground and polished for smooth bearing surface.
- **Powered for Continuous Operation:** All horsepower ratings are within the service limits of the motor and pump can be operated continuously without fear of damage to the motor.
- **CentriPro Motors:**
  - Corrosion-resistant construction.
  - Stainless steel splined shaft.
  - Hermetically sealed windings on 6" motors. 8" and 10" motors are water tight rewindable.
  - Sand resistant slinger and lip seals.
  - Water filled design.
  - Filter check valve.
  - Kingsbury-type thrust bearing.
  - 6 through 30 HP motors are dual voltage (230/460) design. Easily changed with a voltage plug.



**Model 7TLC 550 GPM**



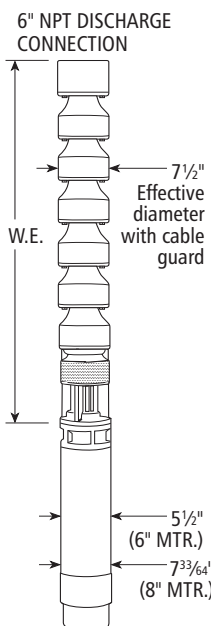
**DIMENSIONS AND WEIGHTS**

HP	Stages	W.E. Order Number	W.E. Length	W.E. Wt. (lbs.)
10	1	C07TLC010A66B	23.6	78
20	2	C07TLC020A66B	30.7	109
30	3	C07TLC030A66B	37.8	140
40	4	C07TLC040A66B	44.9	171
50	5	C07TLC050A66B	52.0	202
60	6	C07TLC060A66B	59.1	233
75	7	C07TLC075A86B	67.1	276
100	8	C07TLC100A86B	74.2	307
100	9	C07TLC010B86B	81.3	338

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

**NOTES:**

1. All dimensions in inches and weights in lbs.
2. Solid line is recommended operating range.
3. For intermediate horsepower pumps consult factory.
4. Please specify all options changes in W.E. order number.



**MATERIALS OF CONSTRUCTION**

Part Name	Material
Shaft	ASTM A582 S41600
Coupling	ASTM A582 S41600
Suction Adapter	ASTM A536 Gr. 60-40-18
Suction Bearing	ASTM B584 C89835
Impeller	ASTM A744 CF8M
Taperlock	ASTM A108 Gr. 1018
Intermediate Bowl	ASTM A49 CI. 30B
Intermediate Bowl Bearing	ASTM B584 C89835 (Std.)
Intermediate Bowl Bearing	Rubber (optional)
Upthrust Collar	Polyethylene
Discharge Bowl	ASTM A48 CI. 30B
Discharge Bowl Bearing	ASTM B584 C89835
Fasteners	SAE J429 Gr. 8
Cable Guard	ASTM A240 S30400
Suction Strainer	ASTM A240 S30400