

# Submittal Data Information

## TA Series Pumps

301-660

EFFECTIVE: April 11, 2014

SUPERSEDES: January 17, 2014

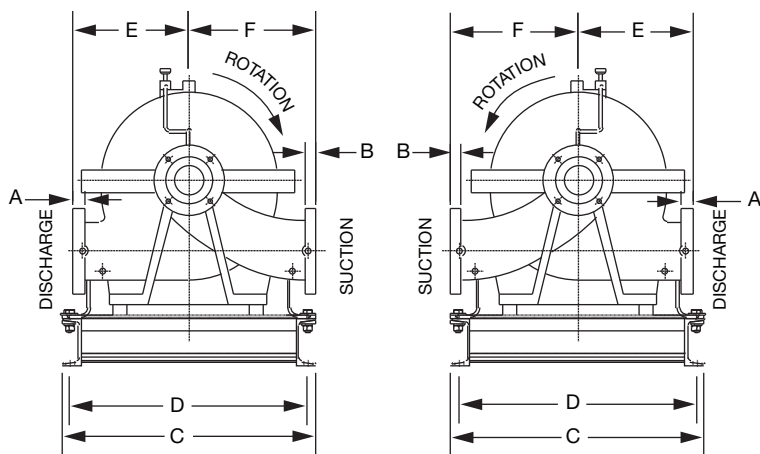
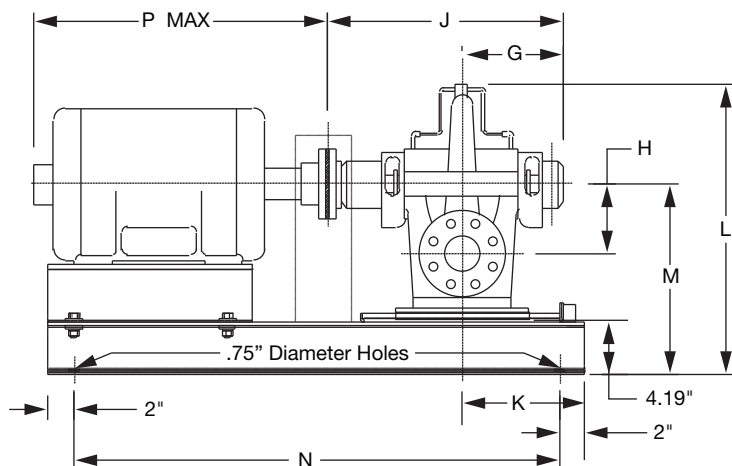
3500 RPM MODEL 0624

JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

| ITEM NO. | MODEL NO. | IMPELLER DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|---------------|--------|----------|------|-------------|
|----------|-----------|---------------|--------|----------|------|-------------|

WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



Clockwise Rotation  
viewed from the Coupling End

Counterclockwise Rotation  
viewed from the Coupling End

SPECIFY ROTATION:

- ☐ Clockwise  
☐ Counterclockwise

### MAXIMUM ASSEMBLY WEIGHT

| Motor Frame   | Weight<br>Lbs (Kg) |
|---------------|--------------------|
| 254T - 256T   | 708 (321)          |
| 284TS - 286TS | 832 (377)          |
| 324TS - 326TS | 1025 (465)         |
| 364TS - 365TS | 1232 (559)         |

### DIMENSIONS

Motor dimensions are approximate and vary by manufacturer and motor type.

| Model No.<br>Flange Size         | HP<br>3500<br>RPM | Motor<br>Frame* | A DISCHARGE          |                      | B SUCTION            |                      | C              | D              | E             | F              | G             | H             | J              | K            | L              | M              | N              | P          |
|----------------------------------|-------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------|----------------|---------------|----------------|---------------|---------------|----------------|--------------|----------------|----------------|----------------|------------|
|                                  |                   |                 | ANSI<br>Class<br>125 | ANSI<br>Class<br>250 | ANSI<br>Class<br>125 | ANSI<br>Class<br>250 |                |                |               |                |               |               |                |              |                |                |                |            |
| 0624<br><br>3 x 2.5<br>(76 x 64) | 20                | 256T            | 0.69<br>(18)         | 1.00<br>(25)         | 0.75<br>(19)         | 1.12<br>(28)         | 21.17<br>(538) | 19.92<br>(506) | 8.88<br>(226) | 11.02<br>(280) | 9.68<br>(246) | 5.12<br>(130) | 22.19<br>(564) | 9.5<br>(241) | 21.31<br>(541) | 14.00<br>(356) | 48.0<br>(1219) | 23.2 (589) |
|                                  | 25                | 284TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                | 27.8 (706) |
|                                  | 30                | 286TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                | 30.3 (770) |
|                                  | 40                | 324TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                | 33.4 (848) |
|                                  | 50                | 326TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                |            |
|                                  | 60                | 364TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                |            |
|                                  | 75                | 365TS           |                      |                      |                      |                      |                |                |               |                |               |               |                |              |                |                |                |            |

English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ).

Dimensions are subject to change without notice. Do not use for construction purposes unless certified.

\* Frame size reflects TEFC enclosure. ODP enclosure is typically one size smaller. Please consult Taco or motor manufacturer for specific frame size for ODP and other non-TEFC enclosures.

### MATERIALS OF CONSTRUCTION

| Item         | Standard                           | Optional                    |
|--------------|------------------------------------|-----------------------------|
| Casing       | Cast Iron<br>ASTM A48<br>Class 30A | N/A                         |
| Impeller     | Bronze<br>ASTM B584-836            | N/A                         |
| Wear Ring    | Bronze<br>ASTM B584-836            | N/A                         |
| Shaft        | Carbon Steel<br>AISI 1045          | Stainless Steel<br>AISI 420 |
| Insert       | Cast Iron<br>ASTM A48<br>Class 30A | N/A                         |
| Shaft Sleeve | Bronze<br>ASTM B584-836            | Stainless Steel<br>AISI 420 |

N/A - Not Available

### OPERATING SPECIFICATIONS

|             | Standard                | Optional                 |
|-------------|-------------------------|--------------------------|
| Flange      | ANSI<br>Class 125       | ANSI<br>Class 250        |
| Pressure    | 175 PSIG*<br>(1210 KPA) | 300 PSIG**<br>(2070 KPA) |
| Temperature | 250°F<br>(120°C)        | 250°F<br>(120°C)         |

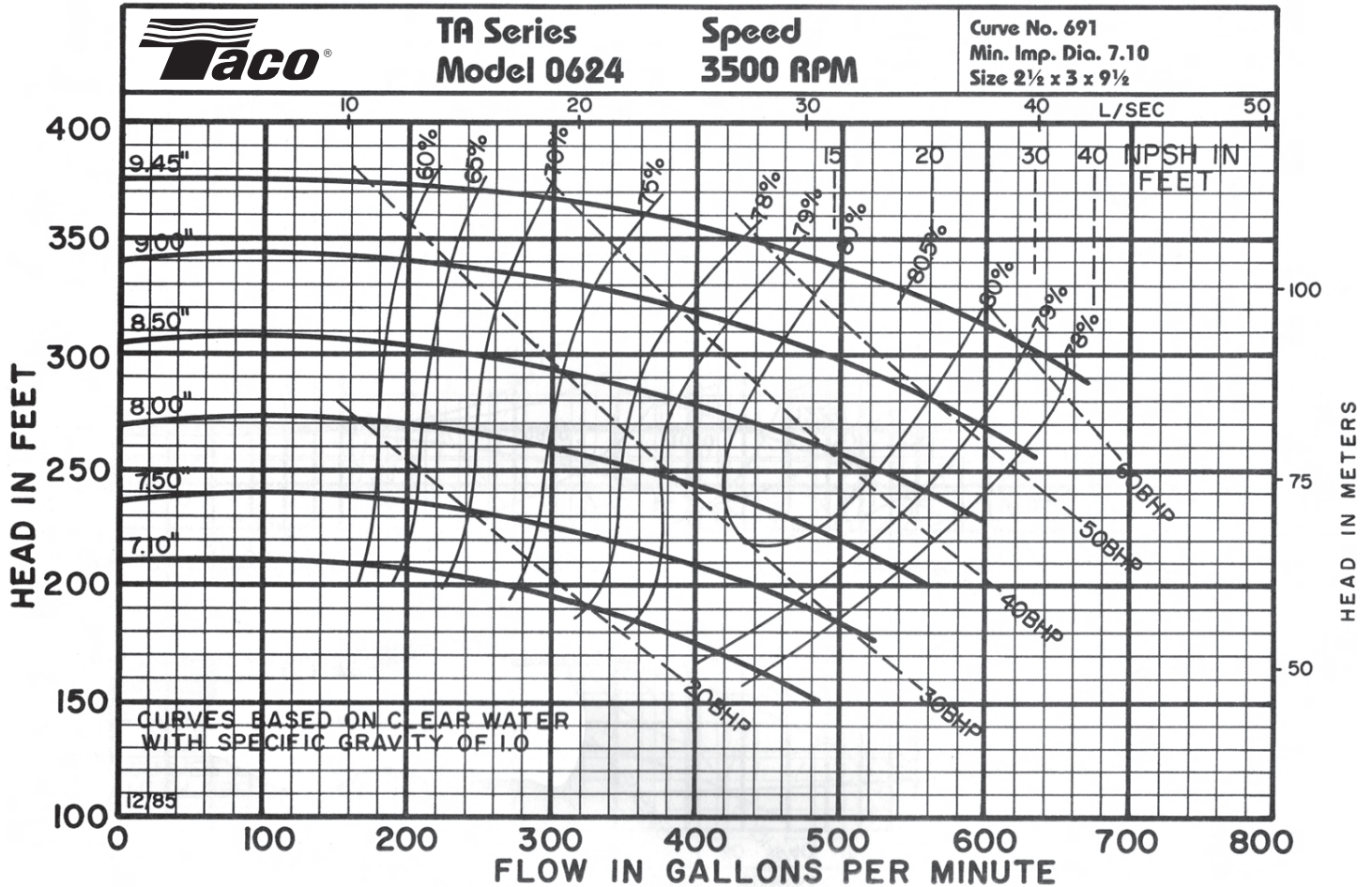
Motors: All NEMA Standard (T Frame)

\* In accordance with ANSI Standard B16.1 Class 125

\*\* In accordance with ANSI Standard B16.1 Class 250 Dim.

### FEATURES

|                    | Standard                                                                 | Optional                     |
|--------------------|--------------------------------------------------------------------------|------------------------------|
| Wear Rings         | Case Wear Rings                                                          | N/A                          |
| Seal Flushing      | Recirculation Line                                                       | Filter & Abrasive Separators |
| Motors             | All Standard NEMA Motors                                                 |                              |
| Base               | Drip Type Base                                                           |                              |
| Additional Options | Packed Stuffing Box<br>Two Rotation Options<br>Balanced Mechanical Seals |                              |



Comments:



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