



# Submittal Data Information

## TA Series Pumps (50 Hz – NEMA)

301-2032 I

EFFECTIVE: 08/01/24

SUPERSEDES: 01/17/14

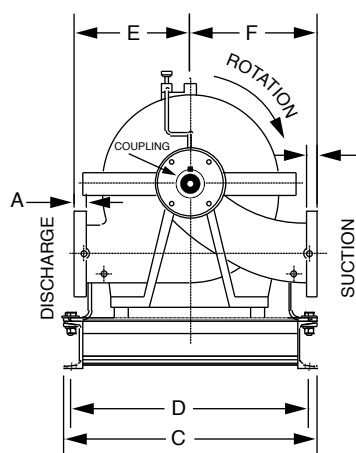
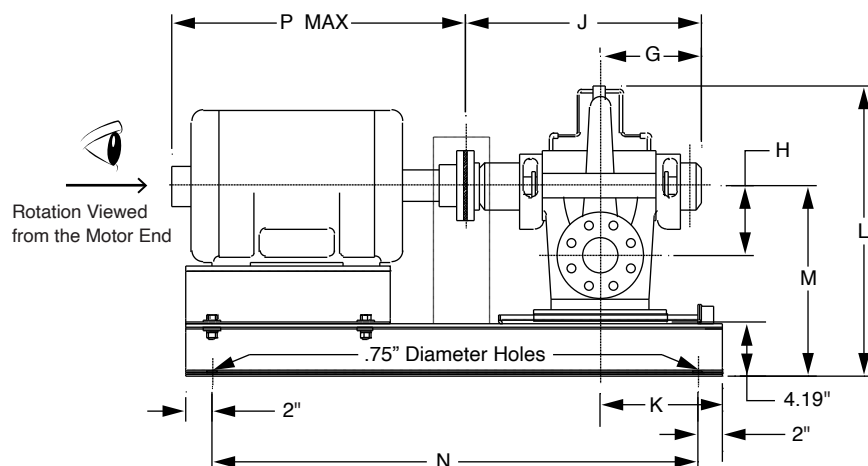
1450 RPM MODEL 1224

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

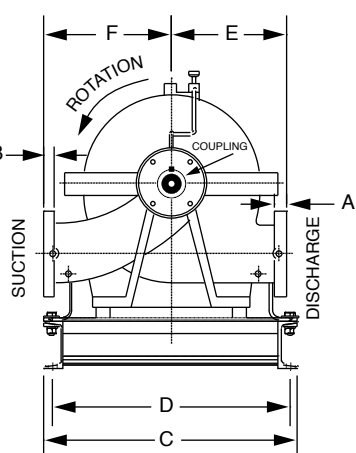
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

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

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



Clockwise Rotation  
Viewed from the Motor End  
(motor not shown)



Counterclockwise Rotation  
Viewed from the Motor End  
(motor not shown)

SPECIFY ROTATION:

- ☐ Clockwise  
☐ Counterclockwise

### MAXIMUM ASSEMBLY WEIGHT

| NEMA Motor Frame | Weight Lbs (Kg) |
|------------------|-----------------|
| 182T - 184T      | 879 (399)       |
| 213T - 215T      | 978 (444)       |
| 254T - 256T      | 1034 (469)      |

### DIMENSIONS

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

| Model No.<br>Flange Size     | HP<br>1450<br>RPM | NEMA<br>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 |                |                |               |                |                |               |                |              |                |                |                |            |
| 1224<br>6 x 5<br>(152 x 127) | 5                 | 184T                   | 0.94<br>(24)         | 1.38<br>(35)         | 1.00<br>(25)         | 1.44<br>(37)         | 21.17<br>(538) | 19.92<br>(506) | 9.81<br>(249) | 13.78<br>(350) | 10.94<br>(278) | 7.08<br>(180) | 24.63<br>(626) | 9.5<br>(241) | 26.50<br>(673) | 17.49<br>(444) | 48.0<br>(1219) | 18.5 (470) |
|                              | 7.5               | 213T                   |                      |                      |                      |                      |                |                |               |                |                |               |                |              |                |                |                | 20.5 (521) |
|                              | 10                | 215T                   |                      |                      |                      |                      |                |                |               |                |                |               |                |              |                |                |                | 23.2 (589) |
|                              | 15                | 254T                   |                      |                      |                      |                      |                |                |               |                |                |               |                |              |                |                |                |            |
|                              |                   |                        |                      |                      |                      |                      |                |                |               |                |                |               |                |              |                |                |                |            |

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.

## 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 |                              |



Model 1224

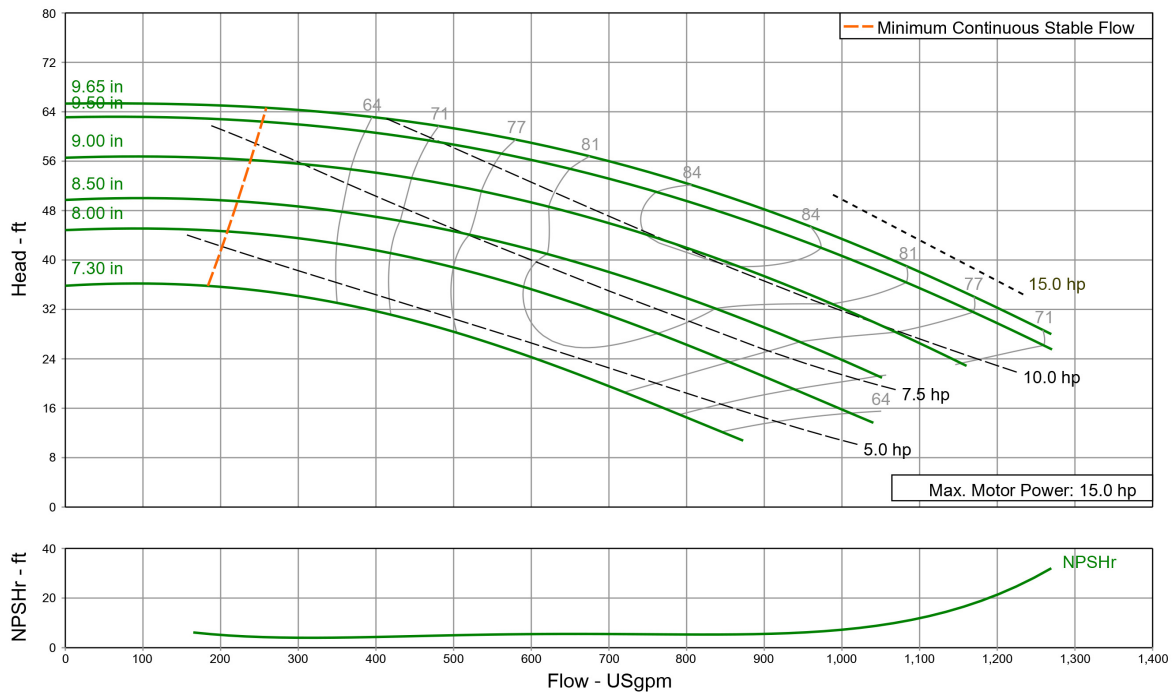
1450 RPM

Curve no. 1367

TA Series

August 1, 2024

Min. Imp. Dia. 7.30"  
Size 5 X 6 X 9.50



Comments: \_\_\_\_\_