



# Submittal Data Information

## TA Series Pumps (50 Hz – IEC)

301-2037 I

EFFECTIVE: 08/01/24

SUPERSEDES: 01/17/14

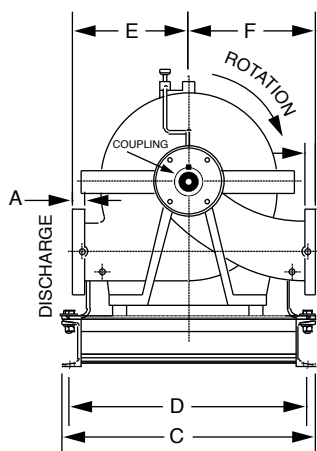
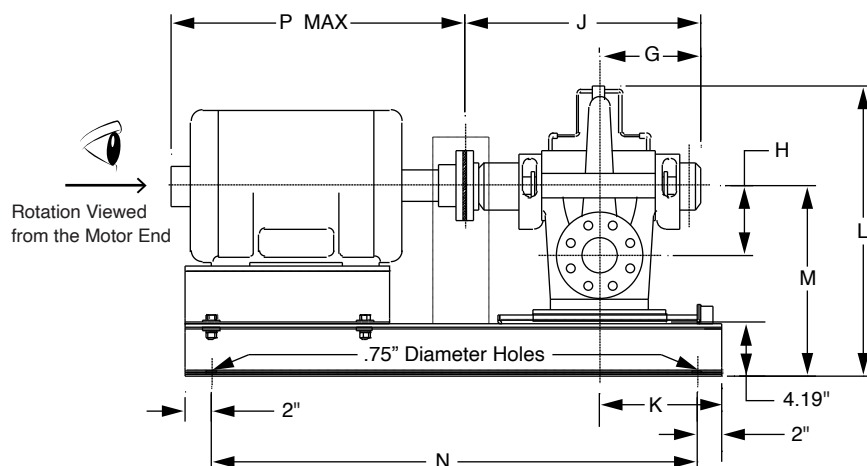
1450 RPM MODEL 1230

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

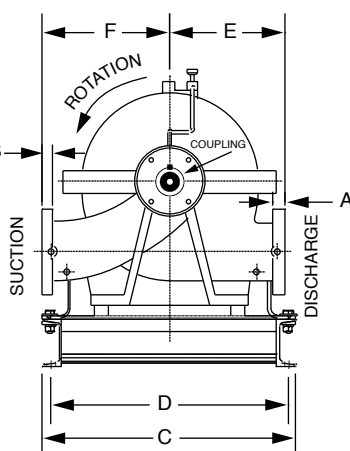
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

| 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

| IEC Motor Frame | Weight Lbs (Kg) |
|-----------------|-----------------|
| 160M            | 924 (419)       |
| 160L            | 968 (439)       |
| 180M            | 1043 (473)      |
| 180L            | 1074 (487)      |
| 200L            | 1186 (538)      |

### DIMENSIONS

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

| Model No.<br>Flange Size         | KW<br>1450<br>RPM | IEC<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 |                |                |                |                |                |               |                |              |                |                |                |               |
| 1230<br><br>6 x 5<br>(152 x 127) | 11                | 160M                  | 0.94<br>(24)         | 1.38<br>(35)         | 1.00<br>(25)         | 1.44<br>(37)         | 21.17<br>(538) | 19.92<br>(506) | 11.44<br>(291) | 13.19<br>(335) | 10.94<br>(278) | 6.88<br>(175) | 24.63<br>(626) | 9.5<br>(241) | 27.19<br>(691) | 17.57<br>(446) | 48.0<br>(1219) | 26.0<br>(660) |
|                                  | 15                | 160L                  |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                |               |
|                                  | 18.5              | 180M                  |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                | 28.7<br>(729) |
|                                  | 22                | 180L                  |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                |               |
|                                  | 30                | 200L                  |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                | 29.9 (759)    |
|                                  |                   |                       |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                |               |
|                                  |                   |                       |                      |                      |                      |                      |                |                |                |                |                |               |                |              |                |                |                |               |

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 1230

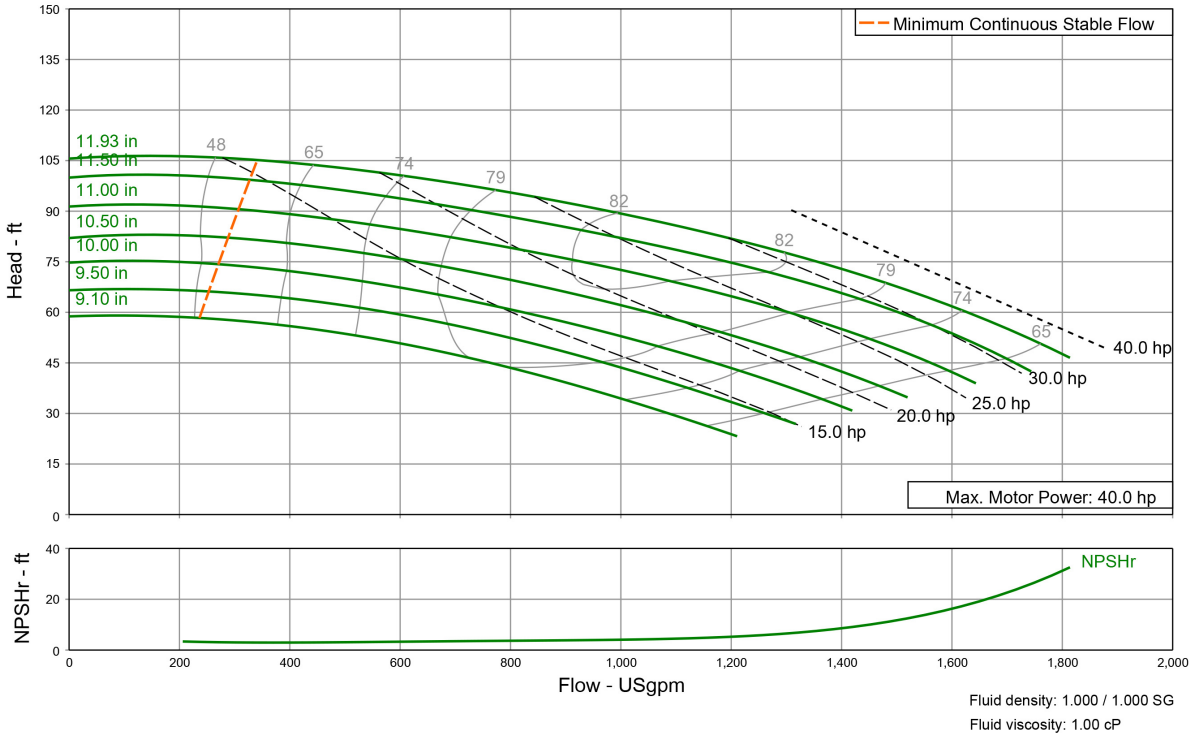
1450 RPM

Curve no. 1373

TA Series

August 1, 2024

Min. Imp. Dia. 9.10"  
Size 5 X 6 X 12



Comments: