

# Submittal Data Information

## TA Series Pumps (50 Hz – IEC)

301-2051 I

EFFECTIVE: 08/01/24

SUPERSEDES: 07/15/14

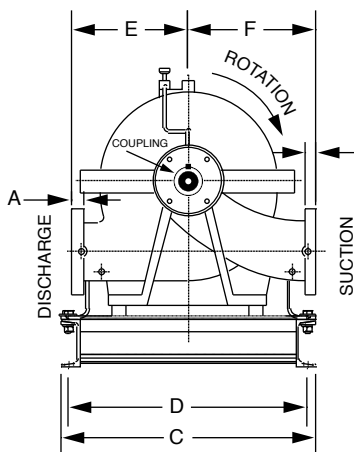
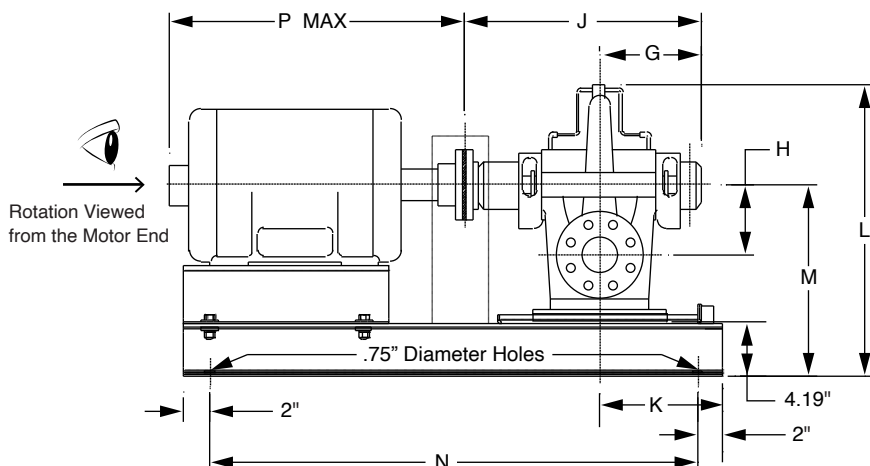
1450 RPM MODEL 2038

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

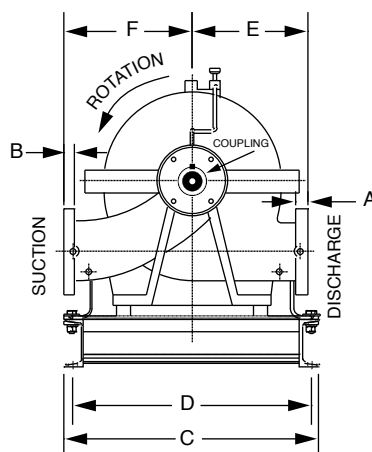
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

| 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) |
|-----------------|-----------------|
| 200L            | 2011 (912)      |
| 225S            | 2133 (968)      |
| 225M            | 2210 (1002)     |
| 250M            | 2340 (1061)     |
| 280S            | 2624 (1190)     |
| 280M            | 2775 (1259)     |

### DIMENSIONS

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

| Model No.<br>Flange Size      | KW<br>1450 RPM | IEC<br>Motor Frame | A DISCHARGE    |                | B SUCTION      |                | C              | D              | E              | F              | G              | H             | J              | K              | L              | M              | N              | P           |
|-------------------------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|-------------|
|                               |                |                    | ANSI Class 125 | ANSI Class 250 | ANSI Class 125 | ANSI Class 250 |                |                |                |                |                |               |                |                |                |                |                |             |
| 2038<br>10 x 8<br>(254 x 203) | 30             | 200L               | 1.13<br>(29)   | 1.62<br>(41)   | 1.19<br>(30)   | 1.88<br>(48)   | 27.17<br>(690) | 25.92<br>(658) | 17.69<br>(449) | 18.88<br>(480) | 14.50<br>(368) | 8.88<br>(226) | 34.13<br>(867) | 13.52<br>(343) | 35.69<br>(907) | 22.31<br>(560) | 64.0<br>(1626) | 29.9 (759)  |
|                               | 37             | 225S               |                |                |                |                |                |                |                |                |                |               |                |                |                |                |                | 31.7 (805)  |
|                               | 45             | 225M               |                |                |                |                |                |                |                |                |                |               |                |                |                |                |                | 32.7 (831)  |
|                               | 55             | 250M               |                |                |                |                |                |                |                |                |                |               |                |                |                |                |                | 68.0 (1727) |
|                               | 75             | 280S               |                |                |                |                |                |                |                |                |                |               |                |                |                |                |                | 84.0 (2134) |
|                               | 90             | 280M               |                |                |                |                |                |                |                |                |                |               |                |                |                |                |                | 84.0 (2134) |

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

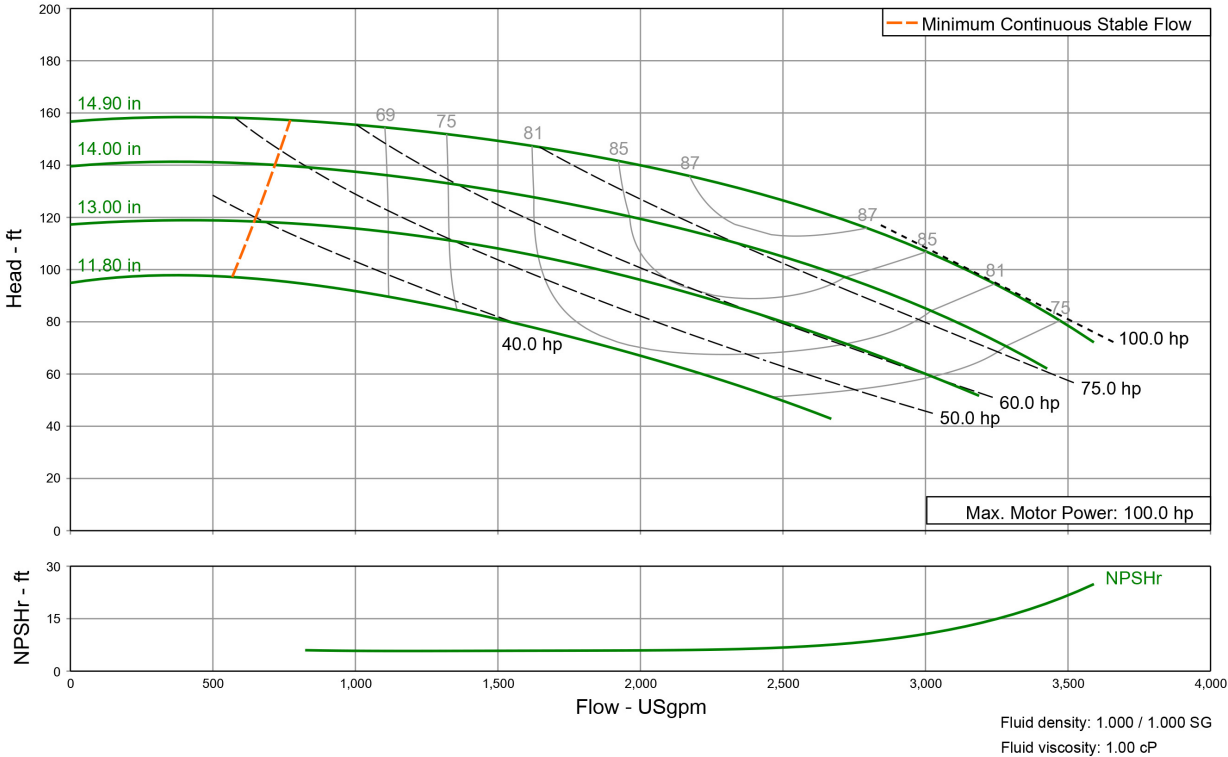
\*\* In accordance with ANSI Standard B16.1 Class 250 Dim.

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 2038 | 1450 RPM       | Curve no. 1382                            |
| TA Series  | August 1, 2024 | Min. Imp. Dia. 11.80"<br>Size 8 X 10 X 15 |



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