# TC Series Pump | Submittal Data

**Submittal No:** 301-1867 | **Model:** 161217 | **RPM:** 1760 - 60 Hz | **Effective:** April 25, 2019 | **Supersedes:** December 1, 2011

**JOB:** _____ **REPRESENTATIVE:** _____

**ENGINEER:** _____ **CONTRACTOR:** _____

## PRODUCT DATA

**ITEM NO.** _____ **MODEL NO.** 161217

**IMPELLER DIAMETER** _____ **HORSEPOWER** _____

**GPM** _____ **VOLTAGE** _____

**HEAD/FT** _____ **RPM** 1760

**WEIGHT** _____ **PUMP/MOTOR** _____

## OPERATING SPECIFICATIONS

| | FLANGE | PRESSURE | TEMPERATURE |
|---|---|---|---|
| **STANDARD** | ANSI Class 125 | 175 PSIG* (1210 KPA) | 250°F (120°C) |
| **OPTIONAL** | ANSI Class 250 | 300 PSIG** (2070 KPA) | 250°F (120°C) |

* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250 Dim.

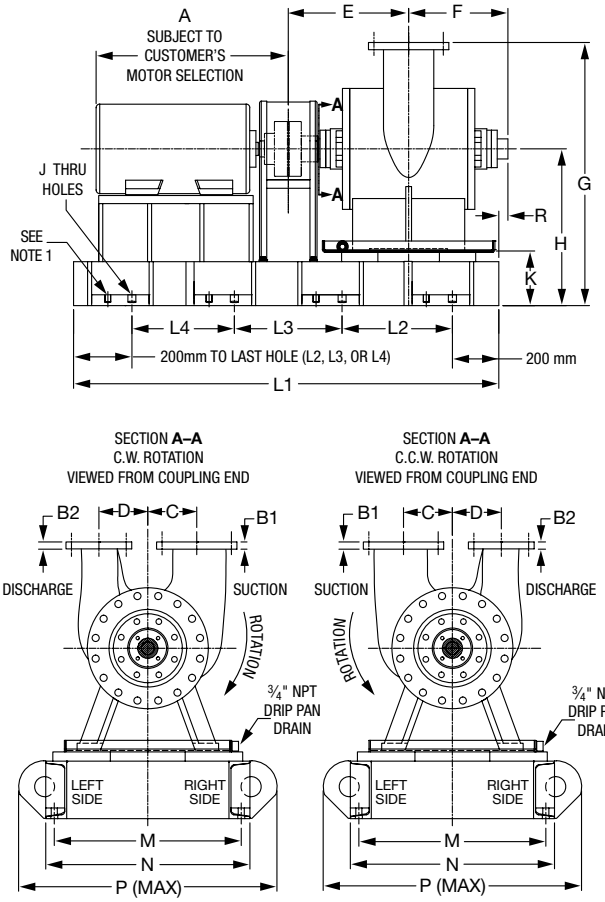
## DIMENSIONS

**Model No. |** 161217 - **Flange Size (Suction x Discharge) |** 16 x 12 (406 x 305)

| MOTOR HP & FRAME COMBINATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **HP** | | 350 | 400 | 450 | 500 | 600 | 700 | 800 |
| **MOTOR FRAME ODP** | **460 VOLT *** | 449T | | | E5008 | E5010 | | E5012 |
| | **2300/ 4160 VOLT** | E5008 | | | E5010 | | | E5012 |
| **MOTOR FRAME TEFC** | **460 VOLT *** | 449T | | G5010 | | G5012 | | |
| | **2300/ 4160 VOLT** | G5008 | | G5010 | | G5012 | | |

| MOTOR & FRAME DIMENSIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NEMA MOTOR FRAME** | 449T | E5008 | G5008 | E5010 | G5010 | G5012 |
| **MAX. ASSEMBLY WEIGHT LBS (KG)** | 7347 (3336) | 8187 (3717) | 9687 (4398) | 9187 (4171) | 10537 (4784) | 11487 (5215) |
| **A** (MAX. VALUE)** | 53.66 (1363) | 60.39 (1534) | | 67.40 (1712) | | 75.39 (1915) |
| **J** | 8 X 1.1 (8 X 28) | | | | | |
| **K** | 9.33 (237) | | | | | |
| **L1** | 106.30 (2700) | 100.00 (2540) | 108.66 (2760) | 107.09 (2720) | 115.75 (2940) | 122.05 (3100) |
| **L2** | 30.19 (766.7) | 28.08 (713.3) | 30.97 (786.7) | 30.44 (773.3) | 33.33 (846.7) | 35.43 (900) |
| **L3** | | | | | | |
| **L4** | | | | | | |
| **M** | 35.43 (900) | | | | | |
| **N** | 37.64 (956) | | | | | |
| **P** | 45.28 (1150) | | | | | |

| PUMP DIMENSIONS | | | | | | |
|---|---|---|---|---|---|---|
| **NEMA MOTOR FRAME** | 449T | E5008 | G5008 | E5010 | G5010 | G5012 |
| **B1 Suction** | ANSI Class 125: 1.46 (37) | | | | | |
| | ANSI Class 250: 2.24 (57) | | | | | |
| **B2 Discharge** | ANSI Class 125: 1.26 (32) | | | | | |
| | ANSI Class 250: 2.01 (51) | | | | | |
| **C** | 13.78 (350) | | | | | |
| **D** | 13.78 (350) | | | | | |
| **E** | 29.80 (757) | | | | | |
| **F** | 22.87 (581) | | | | | |
| **G** | 57.36 (1457) | | | | | |
| **H** | 35.71 (907) | | | | | |
| **R** | 2.20 (56) | | | | | |




For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at time of order entry.

Submittal dimensions for motor frames above 449 NEMA are specific to Baldor Electric Motors only.

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.

* Standard voltage is 230/460 for motors up to 100HP.

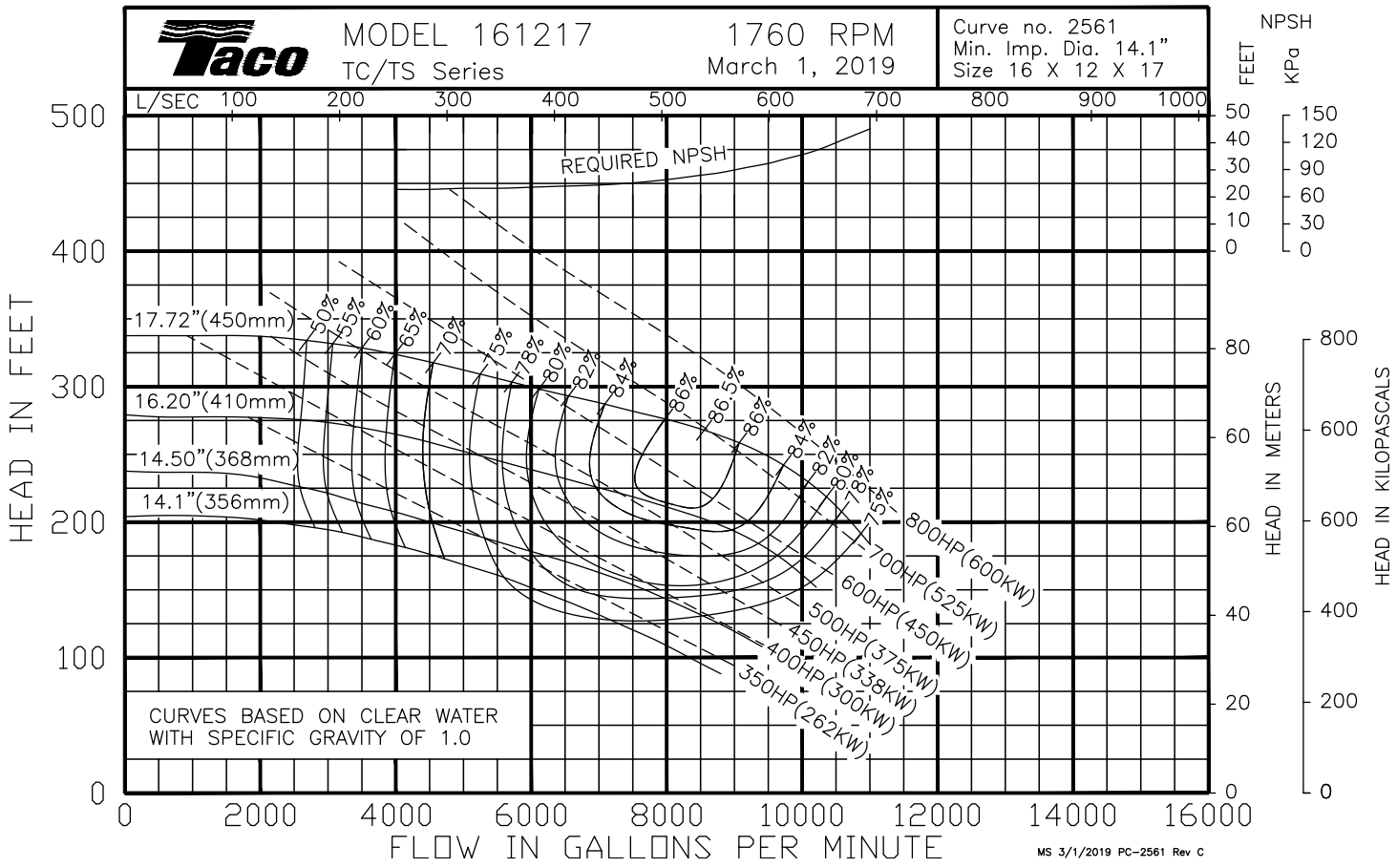
NOTE 1: Additional set of smaller holes are for alignment. Dimensions not supplied.

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

EQUIPPED WITH Taco Tags Featuring iLink™

| MATERIALS OF CONSTRUCTION | CASING | IMPELLER | WEAR RING | SHAFT | SHAFT SLEEVE | MECHANICAL SEAL | SEAL FLUSH LINE |
|---|---|---|---|---|---|---|---|
| STANDARD | Cast Iron ASTM A48 Class 30A | Stainless Steel AISI 304 | Stainless Steel AISI 420 | Carbon Steel AISI 1045 | Stainless Steel AISI 420 | Carbon/Silicon Carbide Viton | N/A |
| OPTIONAL | N/A | N/A | N/A | Stainless Steel AISI 420 | N/A | N/A | Copper |

N/A - Not Available




## COMMENTS

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