

# TC Series Pump | Submittal Data

Submittal No: 301-2061 I | Model: 050310 | RPM: 1450 - 50 Hz IEC | Effective: June 30, 2019 | Supersedes: December 1, 2011

JOB: \_\_\_\_\_

REPRESENTATIVE: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 050310

IMPELLER DIAMETER \_\_\_\_\_ HORSEPOWER \_\_\_\_\_

GPM \_\_\_\_\_ VOLTAGE \_\_\_\_\_

HEAD/FT \_\_\_\_\_ RPM 1450

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

## DIMENSIONS

Model No. | 050310 - Flange Size (Suction x Discharge) | 5 x 3 (127 x 76)

| MOTOR & FRAME DIMENSIONS      |                   |              |      |
|-------------------------------|-------------------|--------------|------|
| KW                            | 5.5               | 7.5          | 11   |
| IEC MOTOR FRAME IP55          | 132S              | 132M         | 160M |
| MAX. ASSEMBLY WEIGHT LBS (KG) | 2000 (907)        | 2300 (1043)  |      |
| A** (MAX. VALUE)              | 20.0 (508)        | 25.79 (655)  |      |
| J                             | 4 X 0.79 (4 X 20) |              |      |
| K                             | 4.92 (125)        |              |      |
| L1                            | 44.09 (1120)      | 48.03 (1220) |      |
| L2                            | 28.35 (720)       | 32.28 (820)  |      |
| L3                            | N/A               |              |      |
| L4                            | N/A               |              |      |
| M                             | 21.69 (551)       |              |      |
| N                             | 23.23 (590)       |              |      |
| P                             | 27.56 (700)       |              |      |

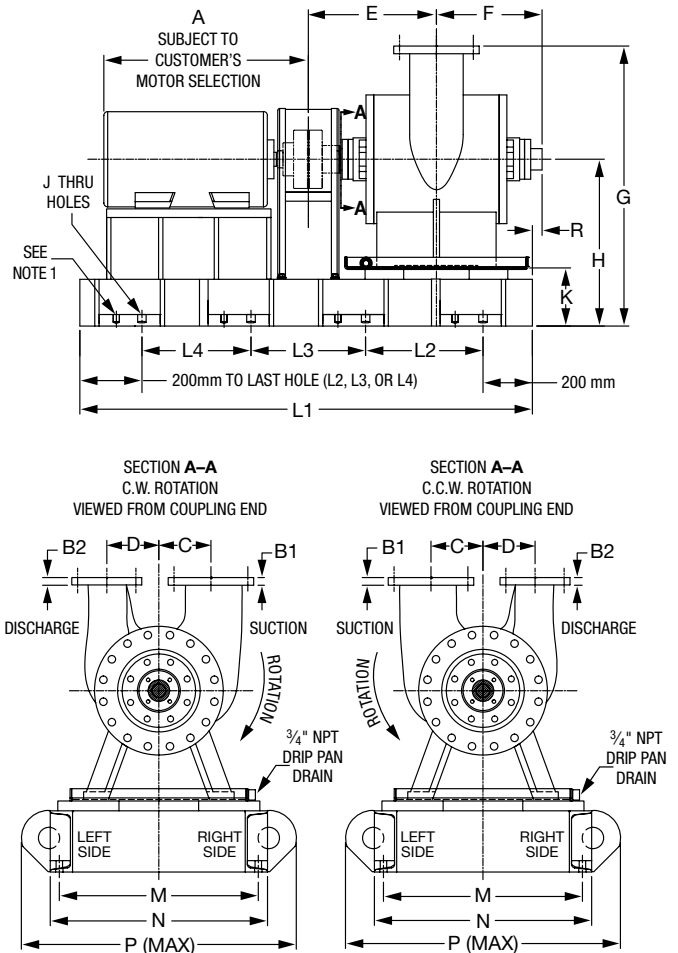
| PUMP DIMENSIONS |                           |     |    |
|-----------------|---------------------------|-----|----|
| KW              | 5.5                       | 7.5 | 11 |
| B1 Suction      | ANSI Class 125: 0.94 (24) |     |    |
|                 | ANSI Class 250: 1.38 (35) |     |    |
| B2 Discharge    | ANSI Class 125: 0.75 (19) |     |    |
|                 | ANSI Class 250: 1.10 (28) |     |    |
| C               | 5.51 (140)                |     |    |
| D               | 5.51 (140)                |     |    |
| E               | 16.46 (418)               |     |    |
| F               | 13.39 (340)               |     |    |
| G               | 29.13 (740)               |     |    |
| H               | 17.32 (440)               |     |    |
| R               | 2.44 (62)                 |     |    |

## 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.



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.

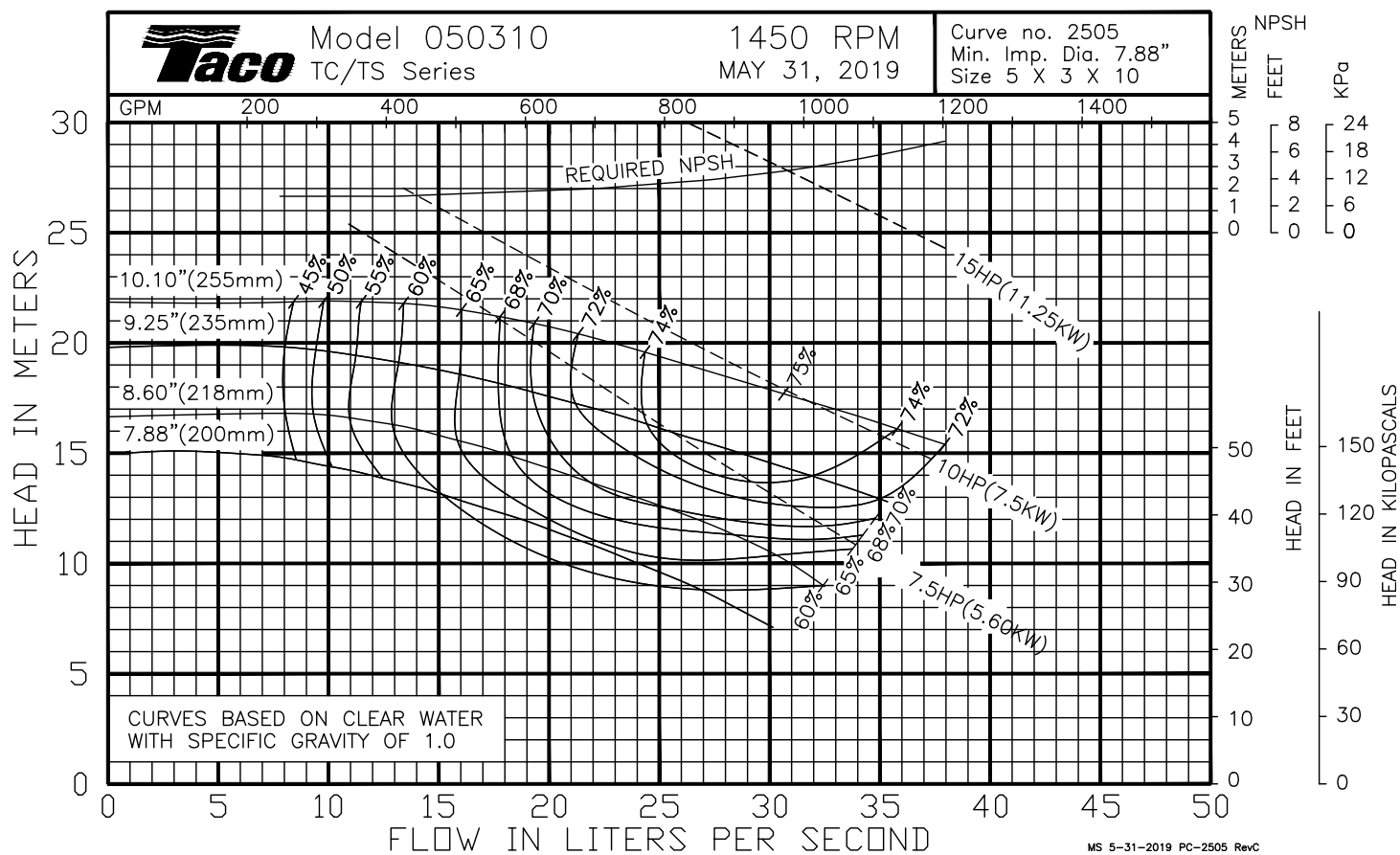
\* Standard voltage is 380/415V, 50 Hz, 3 Phase.

NOTE 1: Smaller holes are for alignment. Dimensions not supplied.

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

| 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