Submittal Data Information
FI Series Pumps

EFFECTIVE: JULY 12, 2018
SUPERSEDES: MARCH 26, 2018
1450 RPM MODEL 2009D

JOB __________________________________________

CONTRACTOR ______________________________
REP. _____________________________________
ENGINEER ________________________________

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

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>MODEL NO.</th>
<th>IMPELLER DIA.</th>
<th>G.P.M.</th>
<th>HEAD/FT.</th>
<th>H.P.</th>
<th>ELEC. CHAR.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF 61 Certified</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEIGHT ___________ PUMP/MOTOR ___________

OPERATING SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange</td>
<td>ANSI Class 125</td>
<td>ANSI Class 250</td>
</tr>
<tr>
<td>Pressure</td>
<td>175 PSIG* (1210 KPA)</td>
<td>300 PSIG** (2070 KPA)</td>
</tr>
<tr>
<td>Temperature</td>
<td>250°F (120°C)</td>
<td>250°F (120°C)</td>
</tr>
</tbody>
</table>

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.

MAXIMUM ASSEMBLY WEIGHT

<table>
<thead>
<tr>
<th>Motor Frame</th>
<th>Weight Lbs (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>143T - 145T</td>
<td>287 (130)</td>
</tr>
<tr>
<td>182T - 184T</td>
<td>328 (149)</td>
</tr>
</tbody>
</table>

DIMENSIONS

<table>
<thead>
<tr>
<th>Model No. Flange Size (Suction x Discharge)</th>
<th>Motor Frame</th>
<th>Motor Frame</th>
<th>HP</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>J</th>
<th>K</th>
<th>N</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009D</td>
<td>145T</td>
<td>145T</td>
<td>1.5</td>
<td>2</td>
<td>17.18 (436)</td>
<td>40.0 (1016)</td>
<td>1.47 (37)</td>
<td>1.16 (30)</td>
<td>11.94 (303)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2½ x 2</td>
<td>182T</td>
<td>182T</td>
<td>3</td>
<td>4.60</td>
<td>4.91</td>
<td>9.75</td>
<td>10.00</td>
<td>17.18 (436)</td>
<td>40.0 (1016)</td>
<td>1.47 (37)</td>
<td>1.16 (30)</td>
<td>13.00 (330)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(64 x 51)</td>
<td>184T</td>
<td>184T</td>
<td>5</td>
<td>4.60</td>
<td>4.91</td>
<td>9.75</td>
<td>10.00</td>
<td>17.18 (436)</td>
<td>40.0 (1016)</td>
<td>1.47 (37)</td>
<td>1.16 (30)</td>
<td>15.38 (391)</td>
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</tbody>
</table>

50 Cycle Performance Curves attached when applicable.

English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ).
Do not use for construction purposes unless certified.
### MATERIALS OF CONSTRUCTION

#### BRONZE FITTED

<table>
<thead>
<tr>
<th>Component</th>
<th>Standard Pump Construction</th>
<th>Optional 125# or 250#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Cast Iron ASTM A48/A48M-03 Class 30A</td>
<td></td>
</tr>
<tr>
<td>Cover</td>
<td>Cast Iron ASTM A48/A48M-03 Class 30A</td>
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</tr>
<tr>
<td>Impeller</td>
<td>Bronze ASTM B584 ALLOY C92200 or C3600</td>
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</tr>
<tr>
<td>Wear Ring</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Shaft</td>
<td>Stainless Steel TYPE 416&quot;T&quot; ASTM A582</td>
<td></td>
</tr>
<tr>
<td>Shaft Sleeve</td>
<td>Bronze ASTM B584-98A C92200</td>
<td></td>
</tr>
<tr>
<td>Mechanical Seal</td>
<td>Ceramic/EPT</td>
<td></td>
</tr>
<tr>
<td>Seal Flush Line Assembly</td>
<td>N/A</td>
<td></td>
</tr>
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#### NSF 61

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<tr>
<td>Impeller</td>
<td>Stainless Steel ASTM A351/1A C3600</td>
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<tr>
<td>Wear Ring</td>
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<td>Shaft</td>
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<tr>
<td>Shaft Sleeve</td>
<td>Bronze ASTM B584-98A C92200</td>
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<tr>
<td>Mechanical Seal</td>
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<td></td>
</tr>
<tr>
<td>Seal Flush Line Assembly</td>
<td>Copper &amp; Brass C3600</td>
<td></td>
</tr>
</tbody>
</table>

N/A - Not Available

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**Taco Model 2009D**

**FL & CI Series**

**1450 RPM**

**January 31, 2018**

**Curve No. 4039**

Min. Imp. Dia. 171.5mm (6.75")

Size 2.5 x 2.0 x 9.0

**NPSh**

- **FEET**
- **KPa**

**Head in METERS**

**Flow in Liters Per Second**

**Curves Based on Clear Water**

WITH SPECIFIC GRAVITY OF 1.0

**Comments:**

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**Taco Comfort Solutions**

A Taco Family Company

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