• Capacities to 30 LPM
• Heads to 75 Meters
• Low NPSH Requirements
• Horizontal Close Coupled
• Flex Coupled

T31 SERIES
Composite Curves

T31 SERIES (50 Hz 1.0 Service Factor Motor Horsepower Selections*)

* Horsepower data is valid for 1.0 specific gravity fluids only
Indicates altered performance at NPSH Available

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* Horsepower data is valid for 1.0 specific gravity fluids only
**T31 SERIES**

**Performance Curves**

![Graph of T31E Performance Curves for 2880 RPM](image1)

- **Head-Capacity**
- **BHP**
- **% Efficiency**
- **NPSH 4'**
- **NPSH 7'**

![Graph of T31F Performance Curves for 2880 RPM](image2)

- **Indicates altered performance at NPSH Available**
- *Horsepower data is valid for 1.0 specific gravity fluids only*
T31 SERIES

Performance Curves

**T31G**

**2880 RPM**

- **Head-Capacity**
- **BHP**
- **% Efficiency**

**NPSH 4'**

**Head in Feet**

0 1 2 3 4 5 6 7 8

**Head in Meters**

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

**U.S. Gallons per Minute**

0 5 10 15 20 25 30 35

**Liters per Minute**

0 5 10 15 20 25 30 35

**BHP**

0 0.5 1.0 1.5 2.0

**kW**

0 0.37 0.75 1.12 1.49

**EFF**

0% 10% 20% 30% 40%

---

**T31H**

**2880 RPM**

- **Head-Capacity**
- **BHP**
- **% Efficiency**

**NPSH 4'**

**Head in Feet**

0 1 2 3 4 5 6 7 8 9

**Head in Meters**

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

**U.S. Gallons per Minute**

0 5 10 15 20 25 30 35

**Liters per Minute**

0 5 10 15 20 25 30 35

**BHP**

0 0.5 1.0 1.5 2.0

**kW**

0 0.37 0.75 1.12 1.49

**EFF**

0% 10% 20% 30% 40%

---

* Indicates altered performance at NPSH Available

* Horsepower data is valid for 1.0 specific gravity fluids only
T31 SERIES

Dimensions

Horizontal Close Coupled

<table>
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<tr>
<th>HP</th>
<th>FRAME</th>
<th>ENCL</th>
<th>D</th>
<th>E</th>
<th>H</th>
<th>BA</th>
<th>2F</th>
<th>HS</th>
<th>HD</th>
<th>L</th>
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<td>TEF</td>
<td>71.4</td>
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<td>1/4-20</td>
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<td>457.2</td>
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<td>TEF</td>
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<td>3/8-16</td>
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<td>100</td>
<td>161.9</td>
<td>188.9</td>
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Optional Steel Base (Not included in standard price)

C-AH* 33 30

4-H TAPS

T31 SERIES • THREE PHASE • HORIZONTAL CLOSE COUPLED

T31 SERIES • SINGLE PHASE • HORIZONTAL CLOSE COUPLED

<table>
<thead>
<tr>
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<th>A</th>
<th>D</th>
<th>E</th>
<th>H</th>
<th>BA</th>
<th>2F</th>
<th>HS</th>
<th>HD</th>
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<td>76.2</td>
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<td>160.3</td>
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</tr>
<tr>
<td>1 1/2</td>
<td>56</td>
<td>ODP</td>
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<td>88.9</td>
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<td>5/16-18</td>
<td>161.9</td>
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<td>171.5</td>
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<td>457.2</td>
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</tbody>
</table>

Optional Steel Base (Not included in standard price)

**NOTES**
All dimensions in millimeters. May vary ± 6 MM.
Not for construction purposes unless certified.
*See motor dimension (Section Motors) for "C-AH" dimension (varies depending on motor enclosure).
T31 SERIES

P2 Bearing Frame

**T31 SERIES WITH P2 BEARING FRAME**

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<th>U</th>
<th>BA+N+W</th>
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<th>E</th>
<th>H</th>
<th>K</th>
<th>HS</th>
<th>HD</th>
<th>L</th>
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<td>88.9</td>
<td>15.9</td>
<td>117.5</td>
<td>76.2</td>
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**NOTES**

All dimensions in millimeters. May vary ± 6 MM.
Not for construction purposes unless certified.
*See motor dimension (Section Motors) for "C" dimension (varies depending on motor enclosure).