Crusher Duty TPH2

Starter Panels

The WEG TPH2 Series of Crusher Duty® soft starters are designed to conquer the most demanding AC motor starting applications. While surpassing the highest starting torque requirements, the protective NEMA 4/12 enclosure makes the TPH2 Crusher Duty® soft starters ideal for the harsh industrial environments, even in wash down locations. Including as standard an AC3 full HP rated bypass contactor and motor overload relay, emergency direct-on-line starting is available at the flip of a switch while still providing full motor protection. Power lugs make motor connections safe and easy. The WEG TPH2 starters are built to complement the ruggedness and reliability of WEG motors, providing a complete and cost effective AC motor starting and protection solution.

Standard Features

- Rated 500% for Crusher Duty® applications.
- NEMA 4/12 WEG Blue enclosure. Suitable for dusty, wet or outdoor applications.
- Narrow design requires less space. Legs eliminate difficult wall mounting.
- Protective barriers over 460V and 120V terminals.
- Circuit breaker with door mounted operator provides built-in short circuit protection and power disconnect.
- Full HP rated bypass contactor (AC3) with thermal overload relay and emergency start switch inside the enclosure (Softstart-Off-Across the Line) can be used in the event of Soft starter failure.
- Full soft starter protection during both start and bypass provides full protection from over/under current, supply and motor phase fault, phase unbalance, overtemp and over current.
- Keypad and full sized operator controls on cover with steel frame NEMA-4 window and cover over keypad. All parameter changes are through the cover-mounted keypad. Dust and water stay out of the enclosure. Monitoring of current, voltage, kVA and kW can be done from the outside.
- Terminations for remote start-stop furnished - no need to trace control circuit for additional power lines.
- 250VA 120V service receptacle - Power up meters, lights, and small tools without additional power lines.
- Modular multiple subpanel design. Ease of field modification or component replacement.
# TPH2

Combination Soft Starter
100 to 500 HP

<table>
<thead>
<tr>
<th>Coding</th>
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<tbody>
<tr>
<td>1 TPH2</td>
<td>2</td>
<td>100</td>
<td>3</td>
<td>K</td>
<td>4</td>
<td>D</td>
<td>50</td>
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**1. TPH2 series**

**2. Horse Power**
- 100 = 100 HP
- 500 = 500 HP

**3. By-pass**
- K = AC3 full rated contactor

**4. Circuit Breaker:**
- D = includes circuit breaker

**5. Future use**
- 0 = Future use

**6. Future use**
- 0 = Future use

**7. Future use**
- 0 = Future use

**8. Future use**
- 0 = Future use
# Soft Starters

## Crusher Duty TPH Series

**TPH2 Series - NEMA 4/12 Enclosure**

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>Starter AMPS</th>
<th>Catalog Number</th>
<th>Dimensions (in.)</th>
<th>App. Shpg. Wt. (lbs.)</th>
<th>List Price</th>
<th>Multiplier Symbol</th>
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<td>130</td>
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Notes:

- "HP" rating based on "average FLA values". Use as a guide only. Motor FLA may vary with speed and manufacturer.
- Always compare motor FLA to Nominal AMPS and Max Continuous AMPS of starter.

TPH2 includes:
- SSW06 Soft Starter
- Circuit Breaker with through door handle
- AC3 Full Rated Bypass Contactor
- Start/Stop Pushbuttons
- Run/Fault Pilot Lights
- Control Power Transformer with fuses
- Nema4/12 enclosure for wet, dusty in/out-door applications
- 6” Floor Stand Kit
- Dual 120VAC outlet