Magnetek’s new IMPULSE®•T is the perfect low-cost, easy to configure variable frequency drive for CMAA Class A-D traverse motions.

Magnetek’s IMPULSE•T has made drive programming so easy you can get your crane up and running in a few simple steps. This affordable drive platform makes the IMPULSE•T the ideal solution for contactor control upgrades and basic modernizations.

The IMPULSE•T comes standard with a 120VAC digital interface card with 5 discrete inputs, and can also be fitted with 48VAC, 24VAC, and 24VDC interface cards to meet unique design needs.

UL® recognized motor overload protection comes standard with the IMPULSE•T, protecting your motor and peripheral electronics from damage when a mechanical failure occurs. Preventative maintenance monitors provide the feedback you need to proactively schedule maintenance and minimize downtime.

PERFORMANCE FEATURES

- Digital and analog reference sources
  - 2, 3, or 4-speed multi-step digital speed reference
  - 2-step infinitely variable speed reference
  - 1 analog speed reference: 0-10VDC, 4-20mA, 0-20mA
- Built-in dynamic braking transistor
- 1 form C output contact 1A at 250VAC or 30VDC
- 1 analog monitor output: 0-10VDC proportional to output frequency or current
- X-Press Programming™ allows programming initial setup within seconds
- Maintenance timers — operations, cooling fan, soft charge bypass relay, and IGBT
- Fully adjustable volts/hertz pattern
- DC injection braking
- Electronic reversing motor leads
- Automatic fault reset
- Adjustable acceleration/deceleration: 0.0 to 25.5 seconds
- Fault history
- Hardware and software current limit

The IMPULSE•T is available as a packaged drive or in a pre-engineered standard panel. IMPULSE•T drives are backed by our two-year warranty.
With our combination of extensive application experience and leading-edge products, Magnetek provides the ultimate solution for overhead motion control.

**SPECIFICATIONS**
- CMAA Class A-D Service
- Overload capacity: 120% for 60 sec.
- 40:1 speed range
- Starting torque of 150% @ 3Hz
- Certifications: UL, cUL, RoHS
- Ambient service temperature: -10° to 50°C (+14° to 122°F)
- Input voltage: 200 to 240VAC, 380 to 480VAC, -15% to +10%
- Input frequency: 50/60 Hz; ±5%

**RATINGS**
- 380-480VAC, ½ to 5HP
- 200-240VAC, ¼ to 3HP

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max. Full Load Amps</th>
<th>Rated HP (Approx.)</th>
<th>Dimensions in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004-T</td>
<td>3.5</td>
<td>½ and ¾</td>
<td>W: 2.7, H: 5.0, D: 4.3</td>
</tr>
<tr>
<td>2006-T</td>
<td>6.0</td>
<td>1 and 1½</td>
<td>W: 2.7, H: 5.0, D: 5.0</td>
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<tr>
<td>2010-T</td>
<td>9.6</td>
<td>2 and 3</td>
<td>W: 4.3, H: 5.0, D: 5.1</td>
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<tr>
<td>2012-T</td>
<td>12.0</td>
<td>3</td>
<td>W: 4.3, H: 5.0, D: 5.4</td>
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<tr>
<td>4001-T</td>
<td>1.2</td>
<td>½</td>
<td>W: 4.3, H: 5.0, D: 3.2</td>
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<tr>
<td>4002-T</td>
<td>2.1</td>
<td>¾ and 1</td>
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<tr>
<td>4004-T</td>
<td>4.1</td>
<td>2</td>
<td>W: 4.3, H: 5.0, D: 5.4</td>
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<tr>
<td>4005-T</td>
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<tr>
<td>4009-T</td>
<td>8.8</td>
<td>5</td>
<td>W: 4.3, H: 5.0, D: 6.1</td>
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</tbody>
</table>

**PRE-ENGINEERED PANELS**
- 120 Volt control voltage interface card
- Brake contactor branch fusing
- Built-in electronic motor thermal overload protection
- Dynamic braking resistor(s)
- All wiring to a single terminal strip
- Clearly marked wires (at both ends)
- Complete wiring schematic
- NEMA 4/12 enclosure

**AVAILABLE OPTIONS**
- Input line reactor
- Output load reactor
- Control Transformer
- Rod Disconnect
- Main Line Contactor

For more information, contact Tri-State Overhead Cranes Sales Representative.