

IMPULSE®•T

VARIABLE FREQUENCY CRANE CONTROLS

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



5 digit keypad with LED status display

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.



ELECTROMOTIVE SYSTEMS

YOUR ONE-STOP SOURCE FOR MATERIAL HANDLING CONTROL SOLUTIONS

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

	Model No.	Max. Full Load Amps	Rated HP (Approx.)	Dimensions in Inches		
				W	H	D
460V	2004-T	3.5	½ and ¾	2.7	5.0	4.3
	2006-T	6.0	1 and 1½	2.7	5.0	5.0
	2010-T	9.6	2 and 3	4.3	5.0	5.1
	2012-T	12.0	3	4.3	5.0	5.4
	4001-T	1.2	½	4.3	5.0	3.2
	4002-T	2.1	¾ and 1	4.3	5.0	3.9
	4004-T	4.1	2	4.3	5.0	5.4
	4005-T	5.4	3	4.3	5.0	6.1
	4009-T	8.8	5	4.3	5.0	6.1

For more information, contact Magnetek Material Handling or your local Magnetek Sales Representative.

PRE-ENGINEERED PANELS

STANDARD FEATURES

- 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



ELECTROMOTIVE SYSTEMS

N49 W13650 Campbell Drive
Menomonee Falls, WI 53051
Toll-Free Phone 800.288.8178
Toll-Free Fax 800.298.3503
Phone 262.783.3500
Fax 262.783.3510

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