



## IMPULSE®•T and IMPULSE®•G+ Mini Comparison

The IMPULSE®•T and IMPULSE®•G+ Mini are both great, high quality drives; however, they are not functionally equal. The following table lists important differences between the IMPULSE•T and IMPULSE•G+ Mini drives.

Feature	IMPULSE®•G+ Mini	IMPULSE®•T
<b>Speed Control Methods</b>	V/F (40:1) Open Loop Vector (100:1)	V/f (40:1)
<b>Overload Capacity</b>	150% for 60 seconds by default	120% for 60 seconds by default
<b>Power Range</b>	Fractional to 20 HP – 460VAC Fractional to 20 HP – 230VAC	Fractional to 5 HP – 460VAC Fractional to 3 HP – 230VAC
<b>Motion</b>	Mechanical Load Brake Hoist Traverse	Traverse
<b>Speed Reference</b>	2-SPD Multi-Step 3-SPD Multi-Step 5-SPD Multi-Step Binary Reference 2-Step Infinitely Variable 3-Step Infinitely Variable Unipolar Analog Serial/RDSI	2-SPD Multi-Step 3-SPD Multi-Step  Binary Reference 2-Step Infinitely Variable  Unipolar Analog
<b>Stopping Method</b>	Decelerate to Stop Coast to Stop	Decelerate to Stop
<b>Crane &amp; Hoist Functions</b>	Quick-stop Reverse Plug Simulation Micro-speed Travel Limits Phantom Stop Klixon Load Check II Swift-Lift Inching Control	None
<b>Digital Inputs</b>	Seven (120VAC, 24VAC, 48VAC, 24VDC)	Five (120VAC, 24VAC, 48VAC, 24VDC)
<b>Digital Outputs</b>	One Form C Relay Two Photo-coupler	One Form C Relay
<b>Analog Inputs</b>	Two 0-10V (one 4-20 mA)	One 0-10V/4-20mA
<b>Analog Outputs</b>	One 0-10V	One 0-10V
<b>IMPULSE Link Support</b>	IMPULSE 4.1 Link Basic or WDS	None
<b>Warranty</b>	Three year	Two year
<b>Remote Mount Keypad</b>	Optional	None



## **IMPULSE®•T Frequently Asked Questions**

**Q: Does the IMPULSE•T work as a hoist control?**

A: No, the IMPULSE•T is not qualified for hoist motions (with or without load brakes).

**Q: Why does the IMPULSE•T have a lower overload level?**

A: The IMPULSE•T has a reduced overload level because CMAA Class A~D traverse motions rarely operate in their overload region for more than a few seconds. This has allowed Magnetek to increase the drive's current rating (as compared to the IMPULSE•G+ Mini) and provide a more cost effective crane control solution.

**Q: Which CMAA duty cycle classifications is the IMPULSE•T rated?**

A: The IMPULSE•T is rated for CMAA class A~D duty cycles.

**Q: Do the IMPULSE•T and IMPULSE•G+ Mini differ in size?**

A: Several IMPULSE•T and IMPULSE•G+ Mini models are the same physical size, but the 4004-T, 4005-T, and 4009-T are uniquely sized. Please reference the drive technical specifications for exact dimensions when comparing current ratings and dimensions.

**Q: What is the IMPULSE•T's temperature rating?**

A: The IMPULSE•T is rated 0 ~ 50°C (+14 ~ 122°F).

**Q: Does the IMPULSE•T have a flat heatsink option?**

A: No, the IMPULSE•T does not have a flat heatsink option.