



LMC™ Bridge & Trolley Controls

Retrofits & New Installation

Travel Drives for Standard (50°C) and High Ambient (60°C) Environments

Solid-State IGBT Control of series-wound DC motors delivers high torque at startup, adjustable speed points and acceleration ramps, electric braking and elimination of all contactor problems

Easy Retrofit Installations

- Connect existing power cables
- Connect existing motor cables
- Connect existing brake cables
- Connect existing operator controls
- Fine-tune pre-set acceleration ramps, speed points and braking

Save Energy Costs

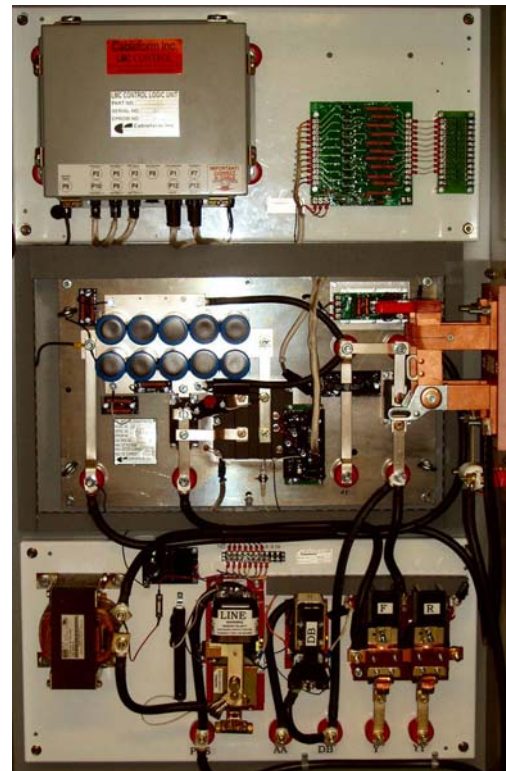
Motor energy consumption reduced up to 50% plus torque boost at startup is up to 7 amps in the motor for every 1 amp drawn from the power source—motors work easier and last longer

Save Maintenance Costs

Solid-state construction, no wear components plus microprocessor control of contactors means contactors never make or break a load

LMC Crane Control Technology Eliminates

- Input supply protection
- I²t motor thermal overload protection
- Slow and stop zone inputs



Typical Travel Drive--Logic, 5-Speed Card, IGBT Power Section and Contactor Panel

Additional Benefits

- Open architecture panel design
- All components easily accessible
- Fault register for easy troubleshooting
- Hand-held data terminal for setup, changes in setup and diagnostics
- Works with Series Brakes and/or Shunt Brakes—specify when ordering

Specifications:

- **Voltage:** 230 VDC Nominal, 300 VDC Max, 120 VDC min
- **Ambient Operating Temperature:**
TSC & TDC Series: +50°C Maximum to -10°C Minimum
TSH & TDH Series: +60°C Maximum to -10°C Minimum
- **Diagnostics & Parameter Adjustment** – Data Terminal, Part No. A62499
- **Dynamic Braking Resistor:** required but not included, reuse existing resistors in good condition

Designed and Manufactured by: **Cableform Inc. a Hubbell Company**

— 8845 Three Notch Road — Troy, Virginia 22974 — U.S.A.

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Specifications subject to change without notice.

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Standard Models:

Available in single motor (TSC & TSH) and dual motor (TDC & TDH) versions. Model numbers shown below along with corresponding motor frame data:

TSC	TSH	TDC	TDH	Motor Frame		Motor HP		Motor FLA	
Simplex 50°C Rating	Simplex 60°C Rating	Duplex 50°C Rating	Duplex 60°C Rating	600 Series	800 Series	1 Hour Rating	1/2 Hour Rating	1 Hour Rating	1/2 Hour Rating
TSC10	TSH30	TDC30	TDH30		802A	5	6.5	21	29
				602	802B	7.5	10	31	45
				603	802C	10	13.5	41	57
				604	803	15	19	59	77
					804	20	26	75	98
TSC30									
TSC50	TSH50	TDC50	TDH50	606		15	33	95	129
					806	30	39	112	145
				608		35	45	131	175
TSC75	TSH75	TDC75	TDH75	610	808	50	65	184	248
TSC100	TSH100	TDC100	TDH100		810	70	90	260	335
				612		75	100	274	375
TSC135	TSH135	TDC135	TDH135	614	812	100	135	360	500
TSC200	TSH200	TDC200	TDH200	616	814	150	200	536	730

If there is a special need not covered in the model numbers shown please contact us and we will provide an engineered solution.

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