



LMC™ Hoist Controls

Retrofits & New Installation

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

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

Easy Retrofit Installations

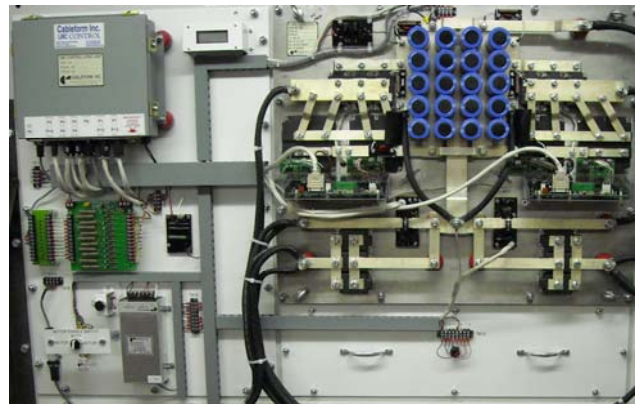
- Connect existing power cables
- Connect existing motor cables
- Connect existing brake cables
- Connect existing operator controls
- Fine-tune pre-set acceleration ramps, speed points and braking

Save Energy Costs

Motor energy consumption reduced by up to 66.5% 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



Typical Power Panel with Microprocessor Logic, 5-speed input card & IGBT's

LMC Hoist Control Technology Includes

- Input supply protection
- Integral overvoltage protection
- Low field strength protection
- Emergency Brake Contactor

Patented Hoist Control

- True series motor hoist circuit
- True shunt motor lowering circuit
- Interfaces with existing Upper Limit Switch
- DB Circuit IGBT Switch + Parallel Contactor

Additional Benefits

- Open architecture panel design
- All components easily accessible
- Multiple operator control choices
- 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
- Contact us for duplex & quadruplex

Specifications:

- **Voltage:** 230 VDC Nominal, 300 VDC Max, 120 VDC min
- **Ambient Operating Temperature:**
HC Series: +50°C Maximum to -10°C Minimum
HH 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
- **Power Dump Resistor:** required but not included, reuse existing acceleration 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:

Model numbers shown below along with corresponding motor frame data:

HC	HH	Motor Frame		Motor HP		Motor FLA													
		600 Series	800 Series	1 Hour Rating	1/2 Hour Rating	1 Hour Rating	1/2 Hour Rating												
50°C Rating	60°C Rating	602	802A	5	6.5	21	29												
			802B	7.5	10	31	45												
			802C	10	13.5	41	57												
			803	15	19	59	77												
			804	20	26	75	98												
HC26	HH26	603	804	20	26	75	98												
								606	806	30	39	112	145						
														608	808	50	65	184	248
HC65	HH65	610	808	50	65	184	248												
								612	810	70	90	260	335						
														614	812	100	135	360	500
HC135	HH100	612	812	100	135	360	500												
HC135	HH135	614	812	100	135	360	500												
HC200	HH200	616	814	150	200	536	730												
HC265	HH325	618	816	200	265	712	955												
								620	818	250	325	900	1140						
														622	820	300	390	1080	1430
								622	822	375	500	1330	1890						

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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