

**VARIABLE SPEED**

**LOADMATE<sup>®</sup>**

**Now it is easy to  
control the load  
with accuracy.**

[www.rmhoist.com](http://www.rmhoist.com)



Variable speed hoists enable commercial and industrial facilities to reduce both energy consumption and maintenance costs, while offering flexible speed control of the load (lifting and traveling). Smooth starts and stops reduce the wear and mechanical stresses on structures and minimizes the load sway. All at an affordable price.

# Variable Speed **LOADMATE**®



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R&M Materials Handling, Inc. may alter or amend the technical specifications identified herein at any time with or without notice.



## STANDARD FEATURES INCLUDE:

- Load capacities from 1/4 to 2 Ton
- Hook suspended models
- Push trolley and motorized trolley models
- Stepless speed control for hoisting
- Hoist body is constructed of pressure-cast aluminum for light-weight and easy handling
- Epoxy paint for corrosion resistance and ribbed for better heat dissipation
- All models are equipped with a torque-limiting device for hoist overload protection
- Upper and lower limit switches
- The friction-type torque limiter is integrated with the brake to insure that the load is always stopped when the control button is released
- Hoist motor thermal protection
- Chain container
- Plug-in push button pendant with E-stop for quick replacement



## OPTIONAL FEATURES INCLUDE:

- Motorized trolley motor thermal protection
- Special patented track, swiveling motor driven, and low headroom trolley configurations
- Upper and lower geared limit switch
- Stainless steel chain, block and hook
- Outdoor weather protection options
- Radio remote control
- Hour counter
- Works with R&M bridge crane kits

## ControlMaster INVERTER TECHNOLOGY:

The LoadMate® Variable speed hoist motion is based on a LM5 & LM10 body with a ControlMaster inverter.

Includes the following:

- ControlMaster inverter
- Brake resistance
- Brake control relay and rectifier
- Sensor bearing and speed protection system:
  - » Stall protection: stops the motion if the motor does not rotate.
  - » Overspeed protection: stops the motion if the speed of the motor is 20% above nominal speed.



Standard Hoist Offering and Rating 460V-3Ph-60Hz						
Frame	US Cap. Ton	Duty ASME	Lift* in FT	Fall	Hoist Speed FPM 60 HZ	Hoist Motor H.P.
LM5	1/4	H4	10	1	3.4-64	1.4
LM5	1/2	H4	10	1	3.2-32	1.4
LM5	1	H4	10	2	1.6-16	1.4
LM10	1/2	H4	10	1	4-64	2.8
LM10	1	H4	10	1	2-32	2.8
LM10	2	H4	10	2	1-16	2.8

Refer to the **LOADMATE**® technical guide for more information at [www.rmhoist.com](http://www.rmhoist.com)  
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