

# LoadMate® Electric Chain Hoists for Windmill Applications



R&M Materials Handling, Inc. offers innovative solutions for lifting and handling operations that involve the use of windmill hubs. As a result of the vast experience we have acquired by manufacturing a wide range of hoists that are currently being used throughout the whole world, the Windmill product range has implemented the most up-to-date technology available in lifting equipment.

## An Ergonomic Solution

We study the configuration of your windmill hubs in great detail in order to achieve a user-friendly work environment. We implement the layout, adaptation to the space available, accessibility, etc. in order to facilitate all service and inspection interventions. In this way R&M offers its customers lifting equipment systems that are perfectly adapted to the windmill crib and its components (compact size, low weight, detachable parts, low maintenance).

## A Very Safe Control System

This hoist includes a relatively large number of safety devices to monitor lifting operations. The LoadMate® also complies with the strictest health and safety regulations that apply to maintenance and repair operations. As a result, we offer optimum safety, increased productivity at substantially lower operating costs.



## Wind-Generated Energy

Worldwide energy use continues to rise, so it is imperative for this evolution to cause the least possible damage to our environment. An unlimited source of energy that is relatively easy to exploit and transform, today this technology already supplies a significant part of the energy we use and the windmill forms that have been set up in adequate locations are now able to compete with conventional power plants.



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Bulletin No. Wind-2007

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## Operating Data

Load capacity: from 1/8 to 1 ton  
Wide range of lifting speeds: 64 & 16 fpm, 96 & 24 fpm, 128 & 32 fpm  
Lifting height: up to 262 ft  
Wide range of power supply: 208, 230, 460, 575/3/60 or 380/3/50

## Gear Box

Lubrication: Grease  
Speed ratio: 4:1  
Body of hoist: Pressure-cast aluminum  
Surface treatment: 80-micron epoxy paint

## Lifting Motor

Operation: 40% ED  
Protection: IP55  
Insulation class: F  
Safety devices: Thermal protection of the motor

## Control Devices

Low-voltage control: 115 volt or 48 volt  
2 button pendant with emergency stop button  
Protection: IP65

## Lifting Chain

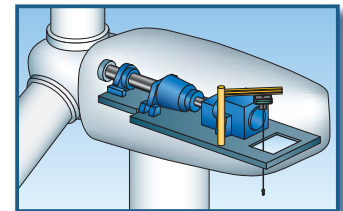
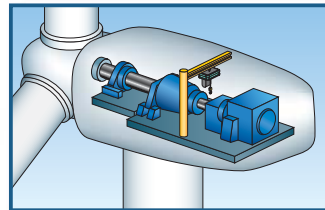
Load chain: electro-zinc plated, heat treated and has a high tensile strength  
Safety: safety factor 5:1  
Storage: chain container supplied as standard

## Lifting Safety Devices

Lifting: Overload torque limiter, upper and lower electric limit switches  
Hook: Upper hook (detachable) and lower hook complies to DIN standard  
Motor: Thermal protection  
Brake system: Long life DC

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

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## Environmental Data

Working temperature required: 14°F - 104°F  
Protection class: IP 55  
Noise level: 70 dB - 75 dB