



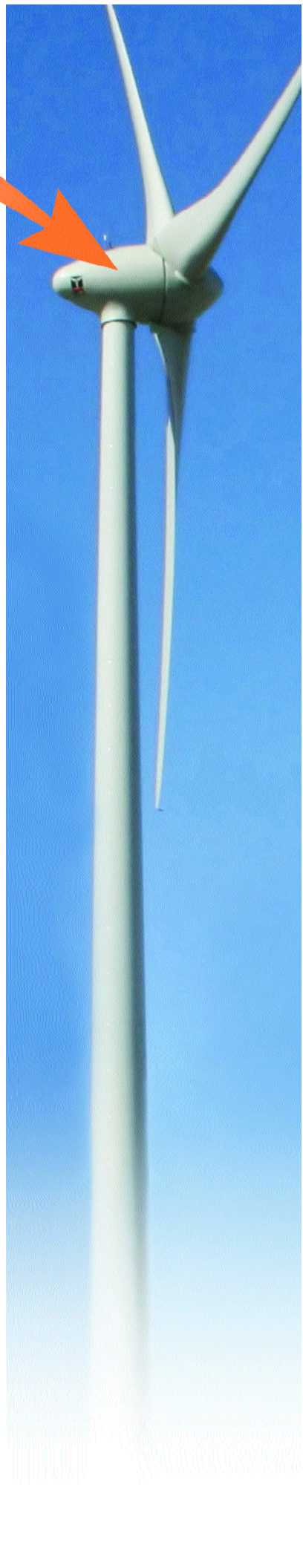
The largest selling electric chain hoists in the industry have reached

NEW HEIGHTS

CM Lodestar and Shopstar Wind Edition have been modified specifically for use as a service and maintenance hoist for wind turbines. Which unit is right for you?

Lodestar - When the load exceeds 550 pounds and faster speeds are critical

Shopstar - When the weight and size of the hoist is critical



Features and Benefits

- **Better control on long lifts**
2 speed motor (optional for Lodestar unit only): smooth, slow speed starts and stops, fast speed for load transition. Variable frequency drive (VFD) option is also available on the Lodestar.

Precision machined and hardened liftwheel: exact fit of chain in liftwheel provides smoother operation and reduces chain vibration.

- **Rugged design to withstand the application and environment**

Heavy duty motor: H4 duty rating provides ability to lift equipment over 300 feet without interruption.

Dual Braking system: uses an AC type brake and electro-dynamic brake. Electro-dynamic braking eliminates heat generated by typical designs. Reduces maintenance, changing of oil, and wear on parts.

NEMA 3R enclosure (Lodestar only): enclosure provides extra protection to internal parts, which also helps reduce maintenance

Zinc-plated chain: protects chain and prevents corrosion.

- **Reduce hoist maintenance costs**

Grease Lubrication: eliminates the need to drain and change the oil which is required every 200 hours in most other hoists designs. Provides superior gear protection. Lifetime lubricated.

No special tools required to disassemble: quick and easy hoist inspections and maintenance.

Upper and lower limit switches (Lodestar only): prevents the lower hook from running to the bottom of the hoist which can lead to hoist and equipment damage.

Readily available hoist parts: Readily available parts from authorized distributors reduces downtime.

Lifetime Warranty: Superior hoist design.

- **Safety**

Overload protection: prevents lifting more than rated capacity protecting operators and equipment.

Upper and lower limit switches: (Lodestar only) helps prevent equipment damage.

Training: Safety, inspection, and proper hoist and rigging technique classes available.

Lower hook impact protection: Prevents tower damage from load hook during no load lifting and lowering.

CM HOISTS



For use as a maintenance hoist within the nacelle or tower



Specifications:

Lift Heights:

Capacities:

Speeds:

Lodestar Wind Edition

Exceeds 300 feet
 1/4 to 1 Ton, 250kg to 1000kg
 Single speed standard (two speed optional)
 Small frame Lodestar 32 fpm (32/10 fpm)
 Large frame Lodestar 64 fpm (64/21 fpm)
 VFD and additional speeds available

Shopstar Wind Edition

Exceeds 300 feet
 550lbs, 250kg
 Single Speed
 20 fpm/6 mpm

Duty Cycle:

Enclosure:

Controls:

Exceeds ASME H4 rating
 NEMA 3R
 2 button, NEMA 4X enclosure
 24V,48V or 115V control voltage available

Exceeds ASME H4 rating
 NEMA 1
 2 button, NEMA 4
 24V,48V or 115V control voltage available

Voltage:

230-460/3/60 standard 575/3/60 available
 single phase, and 50Hz optional

220/3/50, 230/3/60, 380/3/50,
 460/3/60, and 575/3/60 models

Suspension:

Load Chain:

Standards:

Hook, lug, or trolley
 Zinc plated CM Alloy load chain
 Meets ASME/ANSI B30.16
 CE and CSA compliant units available

Hook or trolley
 Zinc plated CM Alloy load chain
 Meets ASME/ANSI B30.16
 CE and UL compliant units available

Metric Rated

Lifetime Warranty

Made in the USA