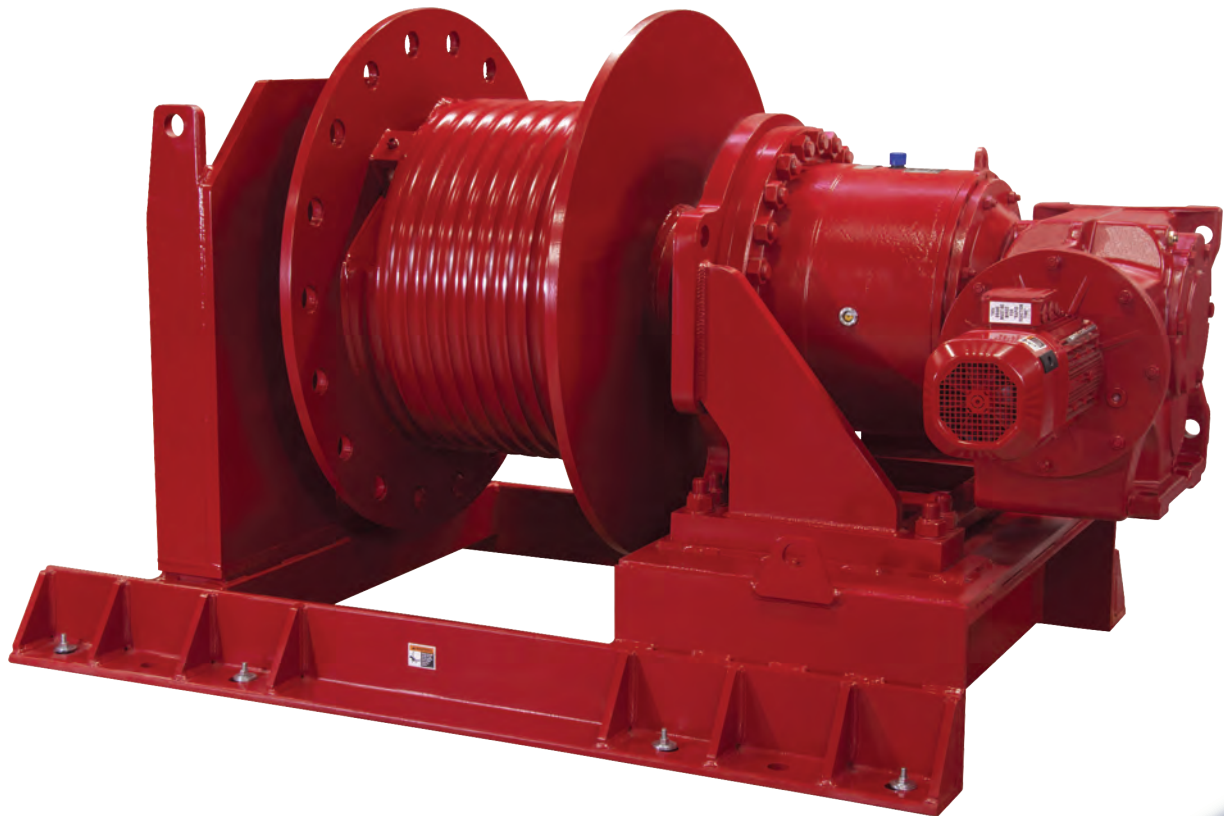




HEAVY-DUTY ELECTRIC POWER WINCH

# 4HBP SERIES



thern.com  
(507) 454-2996

# 4HBP SERIES

HEAVY-DUTY ELECTRIC POWER WINCHES



## HIGH-TORQUE PLANETARY GEARING Moves the Heaviest Loads

The 4HBP Series of power winches (35,000 to 100,000 pounds) is designed for the heaviest loads that require fast line speeds over long travel distances. Planetary gearing provides high torque in a compact envelope while providing high efficiencies—up to 88 percent. A modular design allows easy customization to exact customer specifications. Perfect for mining, rail car positioning, and construction.

### Modular Design

- Flexible winch design allows customization by Thern to meet specific customer requirements

### Integral Drum & Shaft Design

- Large-diameter, welded-steel drum, featuring outside flange anchors, promotes uniform winding and extends life of wire rope
- Anchors allow cable to be over or under wound and allow multiple drum exit angles
- Flange-style, self-aligning roller bearings with cast-iron housing maintain smooth drum rotation
- Continuous, solid-steel drum shaft and steel frame provide optimal strength and security
- Complete wire rope assemblies available upon request

### ASME B30.7 Compliance Available

- Contact Thern for details

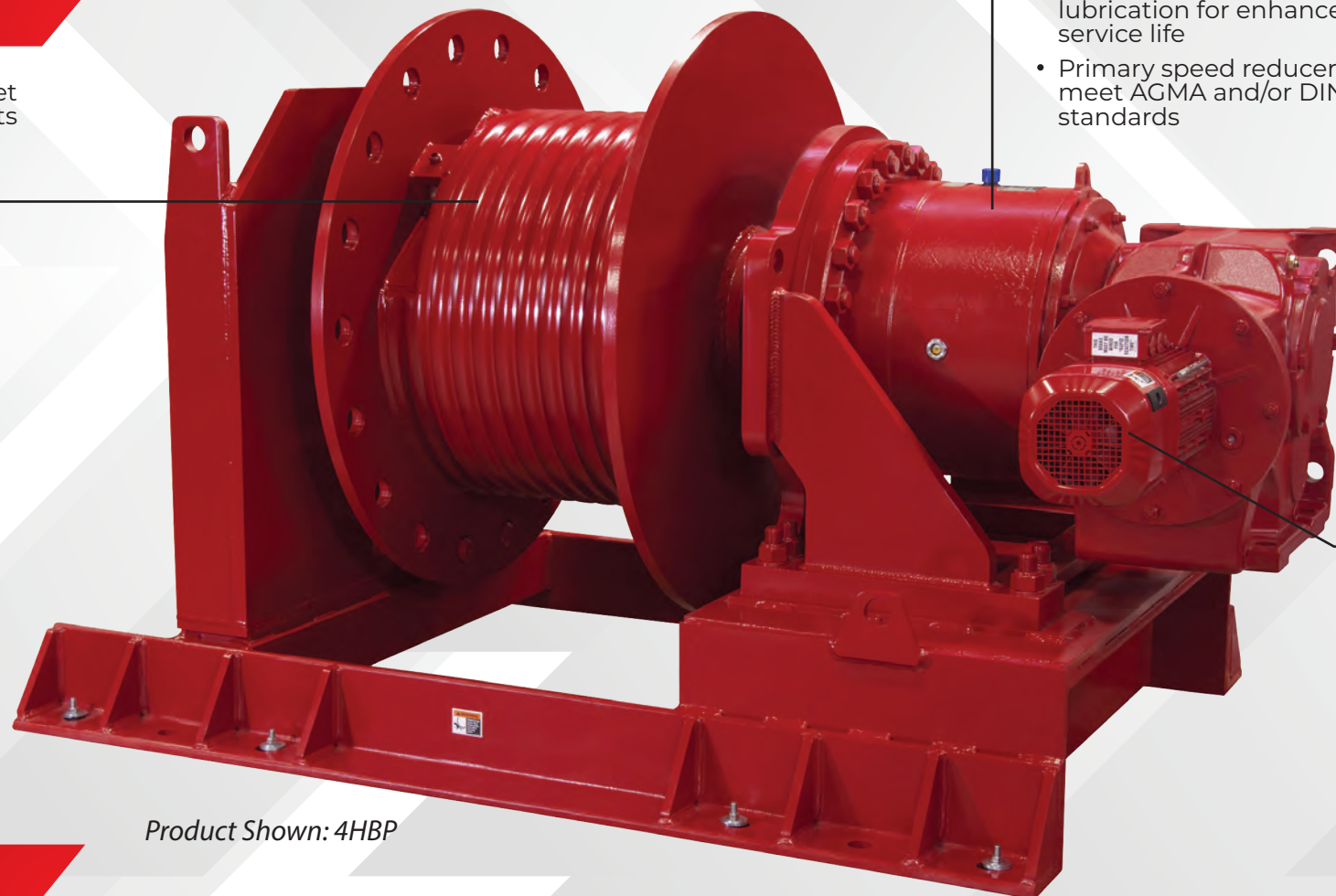
Product Shown: 4HBP

### Load-Holding Motor Disk Brake

- Spring-set, electrically released brake helps control loads and facilitates safe operation

### Durable Gears & Gearbox Design

- High-torque, helical-bevel/planetary gears allow high line-load ratings with large drum diameters
- Fully enclosed, direct-drive gearing delivers dependable operation with minimal maintenance
- Large-capacity bearings enhance smooth operation and durability
- Sealed, cast-iron gearbox with integral oil bath for direct-drive gearing dissipates heat and provides continuous lubrication for enhanced service life
- Primary speed reducers meet AGMA and/or DIN standards



## PERFORMANCE

IMPERIAL					
Series	Load Rating	Power Supply	Line Speed	Drum Capacity	Clutch

4HBP	100,000 lbs	15-100 hp	10-100 fpm	1,000 ft	No
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METRIC					
Series	Load Rating	Power Supply	Line Speed	Drum Capacity	Clutch

4HBP	45,000 kg	11-75 kW	3-30 mpm	300 m	No
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### Energy-Efficient Premium Motor

- Energy-efficient 230/460 volt, reversible, three-phase, 60-cycle industrial-grade motor endures continuous use. Also available in worldwide power supplies
- A totally enclosed, fan-cooled (TEFC) design, featuring IP66 and F-class insulation, resists debris and contamination for long service life
- Standard motors comply with industry standards: UL, CSA, IEC, and NEMA MG1



NOTICE: These products are not for lifting people or things over people.

Refer to technical pages for detailed performance information.



**MADE IN USA** 

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