

# 4HBP SERIES POWER WINCHES

Thern 4HBP series power winches feature high efficiency helical-bevel/planetary gearing making them ideal for heavy-duty applications requiring long travel distances and quick line speeds.

The enclosed, direct-drive gearing design delivers dependable operation and helps reduce maintenance, while a modular design means we can easily customize these winches to meet exact specifications.



**WELDED STEEL DRUM** with flange anchors allow for uniform winding and help extend life of wire rope. Anchors allow cable to be over wound or under wound from either side of the drum.

**CONTINUOUS SOLID STEEL DRUM SHAFT** for uniform loading.

**WIRE ROPE ASSEMBLIES** sold separately per customer request.

**ANSI B30.7 COMPLIANCE** is available. Please contact the factory.

**2 YEAR MOVE IT WITH CONFIDENCE LIMITED WARRANTY** leads the industry.

**FLANGE MOUNTED MOTOR** is a 230/460 volt 3 phase, 60 cycle, IP 54, TEFC severe duty, reversible, class F insulated, continuous duty brakemotor.

Standard motors comply with relevant standards including NEMA, MG1, ANSI, CSA, IEC and ABS.

**LOAD HOLDING MOTOR DISC BRAKE** is spring set, electrically released for positive load control.

**DIRECT DRIVE GEAR REDUCER** with helical-bevel/planetary gearing delivers high efficiencies up to 88% making winches well suited for heavy-duty applications requiring long travel distances and faster line speeds.

The heat treated helical-bevel/planetary gear set provides improved durability and operates in an oil bath, enclosed in a high strength cast iron gear case, SAE class 30. Double-lip oil seals keep oil in and contaminants out. Large capacity bearings ensure long life. Speed reducers meet AGMA standards.

**PLANETARY GEAR DRIVE** is a compact design that results in a lighter weight winch compared to conventional gearing. Planetary gearing also provides a high peak load capacity.

**FLANGE STYLE ROLLER BEARINGS** are self-aligning with cast housings to maintain smooth drum rotation.

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	Load Rating	Line Speed
4HBP Series	35,000 - 100,000 lbs	up to 70 fpm

## OPTIONS AND ACCESSORIES

**DRUM MODIFICATIONS (A)** include grooved drums, multiple compartment drums and modified drum widths and diameters.

**WINCH MOUNTING OPTIONS** include base, wall or under hung installation.

**CABLE PRESSURE BARS (B)** help maintain uniform winding of wire rope.

**LIMIT SWITCHES (C)** provide secondary shut-off for load travel in one or two directions.

**MOTOR OPTIONS** include air or hydraulic, voltage or phase changes, IP 55 or IP65, Class H insulated and multi-speed operation.

**DUTY RATINGS** include IEEE 45 marine duty, tropical duty, severe duty and explosion proof ratings.

**BRAKE OPTIONS** include over-speed, caliper style, band, and more.

**CONTROLS (D)** are available in a wide range of standard and custom configurations for single or variable speed.

**CORROSION RESISTANT FINISHES** for harsh or hazardous environments.

**MANUAL OVERRIDES** for winch operation in power loss situations.



Shown with double compartment drum modification.



Shown with cable pressure bar and grooved drum modification.



Shown with RLS option.



Standard control option.