



## Power Winches

### Series 4HS Helical/Spur Gear Power Winches

The 4HS Series combine helical/spur gearing for heavy duty pulling or lifting applications involving large loads and long distances. Winches are driven by 230/460 volt three phase, 60 cycle, flange mounted, TEFC severe duty, reversible, class F insulated, continuous duty brake motors. Controls are sold separately. Other models and custom modifications are available.

Helical/Spur Gear Power Winch Specification



Model	Motor Hp	Load Rating (1st Layer)	Load Rating (Full Drum)	Wire Rope Diameter	Full Drum Capacity	Full Drum Line Speed	Approx. Ship Weight
4HS6M	7.5	6600 lb	4000 lb	1/2 in	500 ft	64 fpm	645 lb
4HS11M	10	11,000 lb	5800 lb	5/8 in	760 ft	51 fpm	1160 lb
4HS16M	10	16,100 lb	8300 lb	3/4 in	880 ft	38 fpm	1633 lb
4HS26M	20	26,000 lb	15,000 lb	1 in	830 ft	45 fpm	3343 lb
4HS40M	40	40,000 lb	22,900 lb	1-1/4 in	1030 ft	59 fpm	5799 lb
4HS56M	50	56,200 lb	35,500 lb	1-1/2 in	1140 ft	47 fpm	9479 lb

Actual drum capacities may be 25-30% less, due to nonuniform winding. Tension in the wire rope will also affect drum capacity.

HOISTS & WINCHES

### Series 477 Helical/Worm Gear Power Winches

- Helical/worm gearing delivers dependable operation.
- Cast aluminum construction provides lightweight strength and durability.
- An enclosed oil bath provides continuous lubrication.
- An internal mechanical brake provides positive load control for lifting and lowering operations.
- Ball bearings deliver smooth operation.
- Wire rope sold separately.



Series 477 Helical/Worm Gear Power Winch Specifications

Model	Description	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	1st Layer line Speed	Full Drum Capacity	Approx. Ship Weight
4771	115/1/60 VAC, with controls	2000 lb	1200 lb	5/16 in	13 fpm	90 ft	88 lb
4771DC	12 VDC, with controls	2000 lb	1200 lb	5/16 in	13 fpm	90 ft	105 lb
4771PN	Pneumatic 80 cfm at 100psi	2000 lb	1200 lb	5/16 in	13 fpm	90 ft	70 lb
4771HY	Hydraulic 4 gpm at 1000psi	2000 lb	1200 lb	5/16 in	13 fpm	90 ft	72 lb

Actual drum capacities may be 25-30% less, due to nonuniform winding. Tension in the wire rope will also affect drum capacity. For all models except 4771, drum speed is based on rated load, actual speed will vary with load weight and power supply. For Model 4771PN, ratings are at 100 psi. For Model 4771HY, ratings are at 1000 psi. Controls and hoses for models 4771PN and 4771HY sold separately.