

21 Ton Heavy Duty Electric Winch Capacity 440V 3 Phase



Key features

- Capacity: Supports up to 21 tons, ideal for very heavy-duty lifting and pulling applications.
- Power Supply: Operates on 440V 3-phase power, suitable for high-power industrial environments.
- Heavy-Duty Construction: Built with robust materials to handle demanding conditions and extensive use.
- 3 Year Warranty, Customer Support and Service in the USA

Winch Description

This high-capacity 21-ton heavy-duty electric winch operates on a 440V 3-phase power supply, delivering exceptional lifting and pulling power for demanding industrial applications. Built for durability and reliable performance, it is designed to handle heavy loads with efficiency and robustness, making it ideal for a variety of challenging tasks.

Prowinch Compact Winch

All of our compact winches are created with the goal of offering the best price-performance ratio. Key components such as lifespan factors are constantly tested and improved in order to offer the best product for the price.

Key Components

All internal components have been upgraded to meet the highest quality standards. Key electronic components are produced by American or German brands, and we use American-made lubricants to ensure the lifespan of gears and reducers. Final assembly and all tests are performed locally at Prowinch facility before shipping to ensure that every unit meets the corresponding standard.

Duty Classification

Duty Classification is a key factor when choosing the right unit. This H4 heavy duty industrial winch is suitable for high-volume handling in mining, construction, forestry, manufacturing plants and mills, and foundries. For uniformly distributed work periods, the winches have 50% max. operational time per hour and can handle up to 300 starts per hour. When being used for infrequent work periods, the winch can be operated for 30 minutes from a cold start with up to 300 starts per hour. Operational time ratings are calculated at a 65% load factor, as per ASME Standard.

Control System

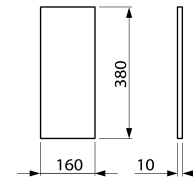
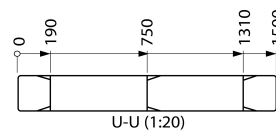
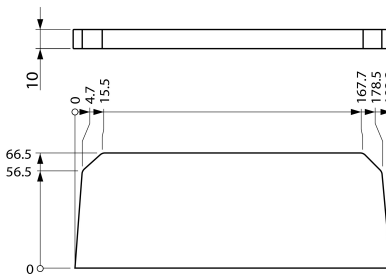
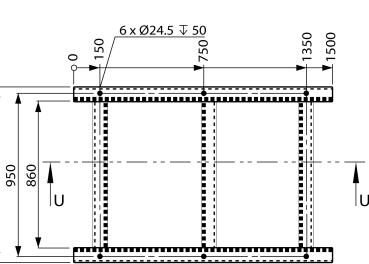
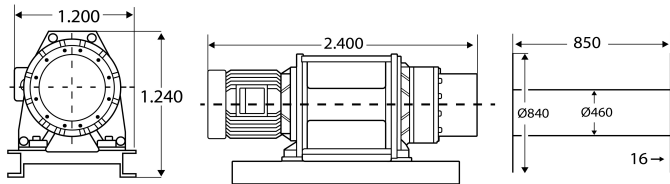
For this winch we offer different control options: single speed IP66 control with up, down, and emergency stop, a variable speed control with a dynamic brake and an SEW Eurodrive German Driver or Lenze USA Driver, wireless remote controls, or a PWZR series full desktop control with Touch Screen controls and indicators, overload protection, and alarms to give the operator all the necessary information for a safe operation of the winch and much more. The winch contains the best electric components available on the market and is made, assembled and tested by Prowinch locally in the US, Chile, or Colombia.

Braking System

Prowinch compact winches includes two brakes, one reducer brake and one motor brake. For additional safety we also offer an optional drum brake and dynamic brake. All brake systems are tested at 125% of the rated winch capacity and are designed to automatically engage immediately upon any loss of power.

Technical Specifications

1st Layer Rated Capacity	46297 lb / 21000 kg	Control Voltage	24V
Speed (f/m) / min	24.7~36.1 ft / 7.5~11 m	Drum Brake	Optional
Number of Speeds	1 Speed - Optional Variable Speed	Wire Rope	Not Included
Voltage	3 Phase 380/440~480V 50/60Hz	Recommended Wire Rope	ø1 1/4 in x 820 ft ø31.7 mm x 250 m UP TO ø 7/8 x 2300 ft
Motor Type (68)	Electric AC	Humidity	<85%
IEC Motor Protection	IP54	Standards Compliance	ASME/ANSI B30.7, B30.10 / AWS D14.3 / RR-W-410E / ISO 2232
IEC Electric Control Box Protection	IP65	Warranty	3 Year
Control	Not included: E-Stop/Up/Down or Variable Speed	Standard Lifting Height	Up to 820 ft / 250 m



Dimensions in mm /
Dimensiones en mm

Layer / Capa	Rope on drum / Mts x Capa	Lifting x layer / Cap x Capa	Speed / Velocidad (per min)
1	130 ft / 39 m	46.290 lb / 21.000 kg	24.7 ft / 7.5 m
2	274 ft / 84 m	41.466 lb / 18.809 kg	27.7 ft / 8.4 m
3	434 ft / 132 m	37.548 lb / 17.032 kg	30.4 ft / 9.3 m
4	609 ft / 186 m	34.307 lb / 15.561 kg	33.3 ft / 10.1 m
5	799 ft / 243 m	31.581 lb / 14.325 kg	36.1 ft / 11.0 m

Unit Weight & Dimensions

A Total Height	1240 mm
Drum BD Barrel Diameter (58)	ø460 mm
D Depth	1200 mm
Drum FD Flange Diameter (57)	ø840 mm
W Width	2400 mm
Drum DL Length (56)	850 mm
Total Unit Weight	6789 lbs / 3081 Kg

Packaging Weight & Dimensions

Package 1 Net Weight	6789 lbs / 3080 Kg
Package 1 Width	98 in / 248.92 cm
Package 1 Gross Weight	6945 lbs / 3151 Kg
Package 1 Height	59 in / 149.86 cm
Package 1 Length	59 in / 149.86 cm