



70 Tons Winch Heavy Duty Industrial 3 Phase

Key features

- Heavy Duty Variable Speed with full Programmable Desk Control Panel
- Odometer, Speed Indicator, Temp., V/HZ/AMP , Graphics, Load alarm, Speed alarm, E-Stop and Lock
- Motor Brake, Double Reducer Brake and Dynamic Brake as Standard. Direct Drum Disk Brake as an Optional
- US ASME B30.7 and EC EN14492-2 , EN60204-32 Standard (Certified UL508 Control Panel as an Optional)
- 3 Year Warranty, Customer Support and Service in the USA

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Prowinch Variable Speed Mega Winch

All of our variable speed mega winches are created with the goal of offering the best performance-price ratio.

Key Components

All components are constantly tested and improved to meet the highest quality standards. Key electronic components are produced by the best European or American brands to ensure reliability of the product and availability of the spares. Final assembly and all tests are performed in our facilities in USA or Chile 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 H5 heavy duty industrial winch is suitable for high-volume continuous operation. These winches have 100% max. operational time per hour and can handle up to 600 starts per hour. Operational time ratings are calculated at a 65% load factor, as per ASME Standard.

Control System

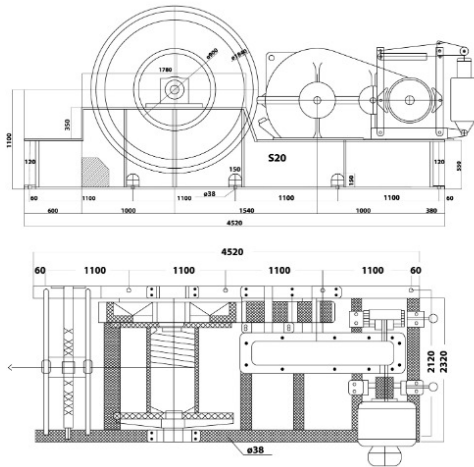
This electric winch is designed to be driven by a variable speed control. SEW Eurodrive (Germany), Yaskawa (Japan) and Invertek (England) are our standard options, others available upon request. These units contain the best electronic components available on the market. A PWZR series programmable desk control is also included with the unit, enabling the operator to monitor all the information necessary for the safe operation of the winch. Speed, distance, temperatures, Alarms can be programmed, limits, etc.

Braking System

Prowinch mega winches offer multiple brake options including a motor brake, reducer brake, 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	70 tons	IEC Electric Control Box Protection	IP65
Last Layer Rated Capacity	45 tons	Variable Frequency Driver	SEW, Yaskawa, Siemens or Invertek
Number of Layers	7	Dynamic Brake	Included
Speed /min	5.9 - 9.1 m/min / 19 - 30 [ft/min]	Control	PWZR7 Programable Desktop Control with touch screen
Number of Speeds	Variable Speed	Electric Control Box	Electric Control Box with VFD (UL508 Optional)
Voltage	3 Phase 380/440~480V 50/60Hz	Transmission / Reducer Type	JYQ1000
Total Power Watts	90 kW	Gear Ratio	40.17
Duty Class	H5/M7/4m/Class E	Reducer Brake	Electro Hydraulic YWZ400 (x2)
Motor Poles	8	Drum Brake	Optional
Motor RPM	732	Recommended Wire Rope	IWRC 54 mm x 600 m (MBL 1550 kn)
Motor Brake	Electromagnetic Disc Release Brake (x1)	Drum Type	Plain
Insulation Grade	F	Standards Compliance	ASME B30.7 / B30.10 / CE
IEC Motor Protection	IP54	Warranty	3 Year



Layer / Capa	Capacity / Capacidad	Rope on drum / Cable en Tambor	Speed / Velocidad
1	70 000 kg / 154 323 lbs	70 m / 230 ft	5.9 m/min / 19 ft/min
2	64 421 kg / 142 023 lbs	147 m / 482 ft	6.4 m/min / 21 ft/min
3	59 667 kg / 131 543 lbs	229 m / 751 ft	6.9 m/min / 22.6 ft/min
4	55 564 kg / 122 497 lbs	318 m / 1 043 ft	7.5 m/min / 24.6 ft/min
5	51 991 kg / 114 620 lbs	413 m / 1 355 ft	8.0 m/min / 26.2 ft/min
6	48 849 kg / 107 693 lbs	514 m / 1 686 ft	8.6 m/min / 28.2 ft/min
7	45 650 kg / 102 845 lbs	600 m / 1 968 ft	9.1 m/min / 29.9 ft/min

Dimensions in mm / Dimensiones en mm

Unit Weight & Dimensions

BD Barrel Diameter	1100 mm
DL Drum Length	1100 mm
FD Flange Diameter	1800 mm