



1 ton Electric Chain Hoist w/ Power Trolley Variable Speed 440~480V 3ø 50~60HZ

Key features

- Heavy Duty H4/M5 US and EC Standards ASME HST-1 , ASME B30.16 , EN14492-2 , EN60204-32
- Patented Overload Motor Slip Protection with Heavy Duty Electromagnetic Disk Brake
- Variable Speed Inverter with Potentiometer for Precise Control, Dual System Limit Switches, Emergency Stop
- Super Heavy Duty G100 Nickel Chain, 25% Stronger than G80. Standard ASTM A973

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Our Dedication to Excellence:

At Prowinch, our unwavering commitment to delivering the best price-performance ratio is evident in every Electric Chain Hoist we produce. We subject each unit to meticulous testing and continuously enhance key components, considering factors that influence lifespan. This commitment ensures that we consistently provide a superior product at an optimal price point.

Enhanced Components:

Internally, each component has undergone substantial upgrades to meet the highest quality standards. Key electronic parts are carefully sourced from reputable brands, while locally manufactured lubricants are employed to fortify the durability of gears and reducers. The final assembly and testing processes take place in the US, guaranteeing that every unit surpasses corresponding standards.

Variable Speed Innovation:

Designed for unparalleled control, our Variable Speed Electric Chain Hoist offers a dynamic lifting experience. Ideal for applications requiring precise load positioning, this hoist allows you to adjust lifting speeds according to the specific needs of your project.

Duty Classification:

Choosing the right unit is pivotal, and our M5-rated H4 hoists stand out for their excellence in high-volume handling. Tailored for environments like steel warehouses, machine shops, fabricating plants, and mills, these hoists boast a 50% maximum operational time per hour for uniformly distributed work periods. They can efficiently handle up to 300 starts per hour. In scenarios of infrequent work periods, the hoist can operate for 30 minutes from a cold start with up to 300 starts per hour. Operational time ratings adhere to a 65% load factor, following ASME HST-1-2012 guidelines.

Control System:

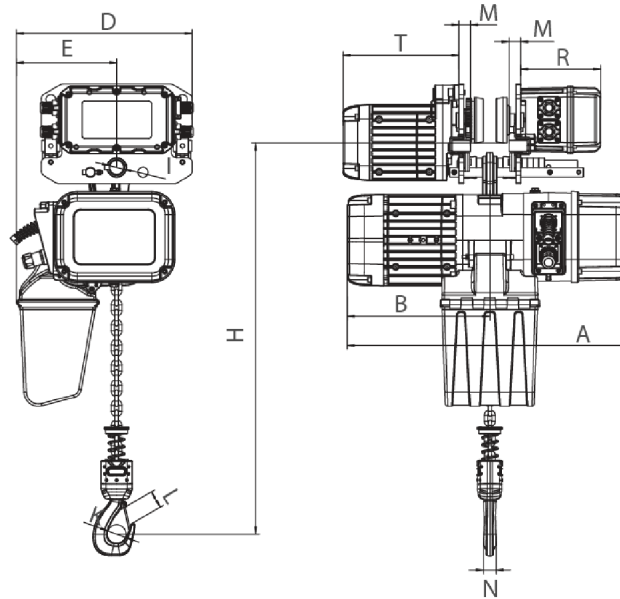
The Variable Speed Electric Chain Hoist is equipped with an advanced control system, allowing for precise speed adjustments tailored to your lifting requirements. The standard pendant control, designed with a length 4 feet less than the lifting height, ensures easy operation from ground level. For added convenience, an optional wireless control is available.

Advanced Braking System:

Our hoists feature an electromagnetic brake system, rigorously tested at 125% of the hoist capacity. This system is intelligently designed to engage automatically upon any loss of power, ensuring not only enhanced safety but also precise control over the operation of the hoist.

Technical Specifications

Rated Load Capacity	1 ton	Load Chain Size	7.1 mm
Capacity Range	3	Chain Falls	1
Voltage	3 Phase 440~480V 60Hz	Chain Length	20
Standard Lifting Height	20 ft / 6 m	Load Chain weight per foot [lbs]	0.74
Speed (f/m) / min	3.1~27.5 ft @60Hz mt @50Hz	Humidity	20%~90%
Number of Speeds	Variable Speed	Temperature	-4 ~ 104° F / -20 ~ 40° C
Hoist VFD Power	4kW	Transmission / Reducer Type	Spur gearbox
Hoist VFD Brand	HUAYUAN	Reducer Lubrication Type	Oil
VFD Model	Z230	Paint Specifications	Electrostatic Sprayed Plastic (ESP) Epoxy resins, Polyester Resins, Barium, Pigments
Brake Resistor Kw	0.6Kw	Standards Compliance	ASME HST-1 , ASME B30.16 , B30.17 , EN60204-33
Duty Class	H4/M5/2m/Class D	Standards Certified	CE
IEC Hoist IP Protection	IP55	Trolley Power	500
IEC Motor Protection	IP55	Trolley Number of Speeds	Variable
Pendant Control Yes No	Yes	Trolley Speed /min	5.9~47.23 ft @60Hz 1.5~12 mt @50Hz
IEC Pendant Control Protection	IP66	Trolley Motor Brake Type and DC Voltage	DC207V
Pendant Control Emergency Stop	Yes	Trolley Motor Insulation Grade	F
Pendant Control total Length	17 ft	Trolley VFD Power in KW	2.5kW
Hoist Motor Power in KW	1.5	Trolley VFD Brand	Huayuan
Hoist Motor Brake Type and DC Voltage	DC207V	Trolley VFD Model	Z230
Hoist Motor Insulation Grade	F	Trolley Wheel Diameter	95
Total Power Watts	4000	Trolley Wheel Material	No. 45 steel
Power Cord Length and Phase Order	3 ft / Black L1 , Red L2 and Blue L3 Green ground	Trolley Minimum Turn Radius	1.3
Recommended Hoist Protection Circuit Breaker AMPs and Type	Type D 15A	Trolley Beam Range	2" to 6"
Optional Load Chain Brand & Country of Origin	FEC Japan	Trolley Beam Extension Kit	up to 12"
Load Chain Type	G100 Nikel		



Rated load (t)	Type	Dimension (mm)												
		Minimum distance from the bottom of the track to the bottom hook: H	A	L	B	D	E	I	M	N	K	L	T	R
1	PWRXT1-01	473	440	3500-5500	285	210	20	105	140					
2	PWRXT2-01	516	590		276	368	210	31	24	25	42	32	242	167
3	PWRXT3-01	600	681		350	422	264	36	28	35	52	42	242	167
5	PWRXT5-02	645	681		350	478	307	43	30	34	59	48	242	167

Unit Weight & Dimensions

A Total Height	516
J Hook Opening	42

Packaging Weight & Dimensions

Package 1 Height	26 in / 66.04 cm
Package 2 Height	23 in / 58.42 cm

W Width	368	Package 1 Width	16 in / 40.64 cm
H Minimum Headroom	516	Package 2 Width	14 in / 35.56 cm
D Depth	590	Package 1 Length	26 in / 66.04 cm
1st Package Type	Wood Crate	Package 2 Length	11 in / 27.94 cm
Total Weight (w/out cable or Chain)	86	Package 1 Net Weight	101.64 lbs / 46 Kg
2nd Package Type	Wood Crate	Package 2 Net Weight	89.1 lbs / 40 Kg
Total Unit Weight	190.74 lbs / 87 Kg	Package 1 Gross Weight	209 lbs / 95 Kg
		Package 2 Gross Weight	99 lbs / 45 Kg