



## 1/2 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:

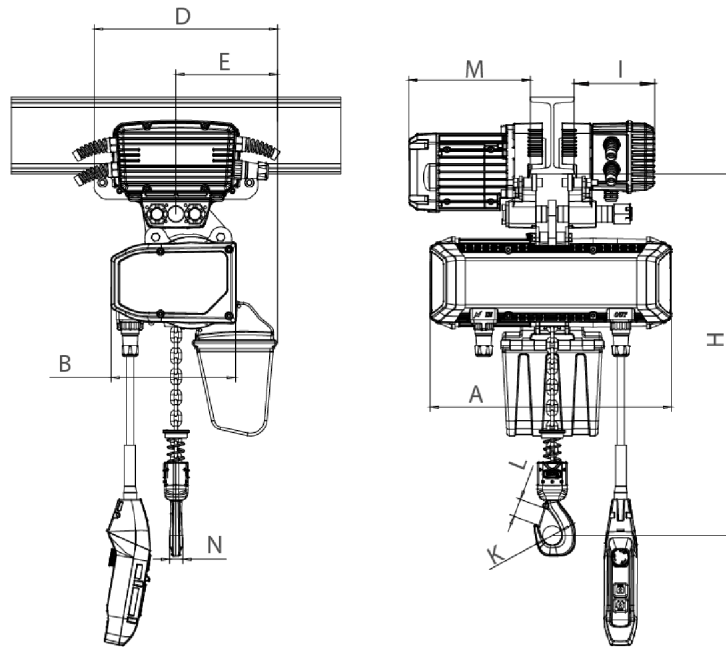
The Variable Speed Electric Chain Hoist is equipped with an advanced control system, allowing for precise speed adjustments tailored to your lifting requirements. The standard pendant control, designed with a length 4 feet less than the lifting height, ensures easy operation from ground level. For added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

<b>Rated Load Capacity</b>	1/2 ton	<b>Load Chain Size</b>	6.3mm
<b>Capacity Range</b>	2	<b>Chain Falls</b>	1
<b>Voltage</b>	3 Phase 440~480V 60Hz	<b>Chain Length</b>	13
<b>Standard Lifting Height</b>	13 ft / 4 m	<b>Load Chain weight per foot [lbs]</b>	0.58
<b>Speed (f/m) / min</b>	3.9~31.5 ft @60Hz mt @50Hz	<b>Humidity</b>	20%~90%
<b>Number of Speeds</b>	Variable Speed	<b>Temperature</b>	-4 ~ 104° F / -20 ~ 40° C
<b>Hoist VFD Power</b>	1.5kW	<b>Transmission / Reducer Type</b>	Spur gearbox
<b>Hoist VFD Brand</b>	HUAYUAN	<b>Reducer Lubrication Type</b>	Oil
<b>VFD Model</b>	Z230	<b>Paint Specifications</b>	Electrostatic Sprayed Plastic (ESP) Epoxy resins, Polyester Resins, Barium, Pigments
<b>Brake Resistor Kw</b>	0.3Kw	<b>Standards Compliance</b>	ASME HST-1 , ASME B30.16 , EN60204-37
<b>Duty Class</b>	H4/M5/2m/Class D	<b>Standards Certified</b>	CE
<b>IEC Hoist IP Protection</b>	IP55	<b>Trolley Power</b>	500
<b>IEC Motor Protection</b>	IP55	<b>Trolley Number of Speeds</b>	Variable
<b>Pendant Control Yes No</b>	Yes	<b>Trolley Speed /min</b>	5.9~47.23 ft @60Hz 1.5~12 mt @50Hz
<b>IEC Pendant Control Protection</b>	IP66	<b>Trolley Motor Brake Type and DC Voltage</b>	DC207V
<b>Pendant Control Emergency Stop</b>	Yes	<b>Trolley Motor Insulation Grade</b>	F
<b>Pendant Control total Length</b>	10 ft	<b>Trolley VFD Power in KW</b>	2.5kW
<b>Hoist Motor Power in KW</b>	0.75	<b>Trolley VFD Brand</b>	Huayuan
<b>Hoist Motor Brake Type and DC Voltage</b>	DC207V	<b>Trolley VFD Model</b>	Z230
<b>Hoist Motor Insulation Grade</b>	F	<b>Trolley Wheel Diameter</b>	95
<b>Total Power Watts</b>	1500	<b>Trolley Wheel Material</b>	No. 45 steel
<b>Power Cord Length and Phase Order</b>	3 ft / Black L1 , Red L2 and Blue L3 Green ground	<b>Trolley Minimum Turn Radius</b>	1.3
<b>Recommended Hoist Protection Circuit Breaker AMPs and Type</b>	Type D 10A	<b>Trolley Beam Range</b>	3" to 5"
<b>Optional Load Chain Brand &amp; Country of Origin</b>	FEC Japan	<b>Trolley Beam Extension Kit</b>	up to 12"
<b>Load Chain Type</b>	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
0.25	PWRXT0.25-01	473	440	3500-5500	285	210	20	105	140
0.5	PWRXT0.5-01	473	440		285	210	20	105	140

### Unit Weight & Dimensions

<b>A Total Height</b>	396
<b>J Hook Opening</b>	35
<b>W Width</b>	305
<b>H Minimum Headroom</b>	396

### Packaging Weight & Dimensions

<b>Package 1 Height</b>	20 in / 50.8 cm
<b>Package 2 Height</b>	20 in / 50.8 cm
<b>Package 1 Width</b>	15 in / 38.1 cm
<b>Package 2 Width</b>	13 in / 33.02 cm

<b>D Depth</b>	440	<b>Package 1 Length</b>	20 in / 50.8 cm
<b>1st Package Type</b>	Wood Crate	<b>Package 2 Length</b>	8 in / 20.32 cm
<b>Total Weight (w/out cable or Chain)</b>	64	<b>Package 1 Net Weight</b>	72.16 lbs / 33 Kg
<b>2nd Package Type</b>	Wood Crate	<b>Package 2 Net Weight</b>	62.48 lbs / 28 Kg
<b>Total Unit Weight</b>	134.64 lbs / 62 Kg	<b>Package 1 Gross Weight</b>	85.8 lbs / 39 Kg
		<b>Package 2 Gross Weight</b>	70.4 lbs / 32 Kg