

## 20 ton Electric Chain Hoist 1 Speed w/ Power Variable Speed Trolley 208~240V / 440~480V 3ø 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
- German Brand Schneider UL Listed Contactors for Hoist and Variable Speed Inverter Trolley with Potentiometer for Precise Control, Dual Limit Switches, E-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.

### Single Speed Efficiency:

Our Single Speed Electric Chain Hoist is designed for straightforward yet efficient lifting operations. Perfect for applications where a consistent lifting speed is paramount, this hoist offers reliability and ease of use.

### 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:

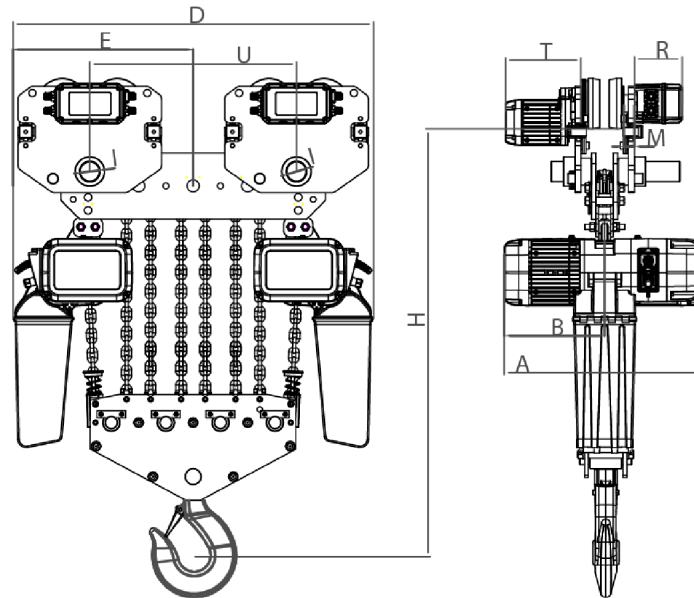
The Single Speed Electric Chain Hoist comes with a standard pendant control, designed with a length 4 feet less than the lifting height, ensuring easy operation from ground level. For added convenience, an optional wireless control is available.

### 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>	20 ton	<b>Load Chain weight per foot [lbs]</b>	1.83
<b>Capacity Range</b>	7	<b>Humidity</b>	20%~90%
<b>Voltage</b>	3 Phase 208~240/440~480V 50/60Hz	<b>Temperature</b>	-4 ~ 104° F / -20 ~ 40° C
<b>Standard Lifting Height</b>	40 ft / 12 m	<b>Transmission / Reducer Type</b>	Spur gearbox
<b>Speed (f/m) / min</b>	5.31 ft @60Hz 1.35 mt @50Hz	<b>Reducer Lubrication Type</b>	Oil
<b>Number of Speeds</b>	1 Speed	<b>Paint Specifications</b>	Electrostatic Sprayed Plastic (ESP) Epoxy resins, Polyester Resins, Barium, Pigments
<b>Hoist Contactors Amps</b>	25A	<b>Standards Compliance</b>	ASME HST-1 , ASME B30.16 , B30.17 , EN60204-39
<b>Hoist Contactor Brand</b>	Schneider	<b>Standards Certified</b>	CE
<b>Hoist Contactor Coil Voltage</b>	24 V	<b>Trolley Power</b>	750+750
<b>Duty Class</b>	H4/M5/2m/Class D	<b>Trolley Number of Speeds</b>	Variable
<b>IEC Hoist IP Protection</b>	IP55	<b>Trolley Speed /min</b>	2.75~27.55 ft @60Hz 0.7~7 mt @50Hz
<b>IEC Motor Protection</b>	IP55	<b>Trolley Motor Brake Type and DC Voltage</b>	DC99V/DC207V
<b>Pendant Control Yes No</b>	Yes	<b>Trolley Motor Insulation Grade</b>	F
<b>IEC Pendant Control Protection</b>	IP66	<b>Trolley VFD Power in KW</b>	2.5kW
<b>Pendant Control Emergency Stop</b>	Yes	<b>Trolley VFD Brand</b>	z-230
<b>Pendant Control total Length</b>	37 ft	<b>Trolley VFD Model</b>	huayuan
<b>Hoist Motor Power in KW</b>	3+3	<b>Trolley Wheel Diameter</b>	139
<b>Hoist Motor Brake Type and DC Voltage</b>	DC99V/DC207V	<b>Trolley Wheel Material</b>	No. 45 steel
<b>Hoist Motor Insulation Grade</b>	F	<b>Trolley Minimum Turn Radius</b>	2.2
<b>Total Power Watts</b>	7500	<b>Trolley Beam Range</b>	5.9" to 8.6"
<b>Power Cord Length and Phase Order</b>	3 ft / Black L1 , Red L2 and Blue L3 Green ground	<b>Trolley Beam Extension Kit</b>	up to 12"
<b>Recommended Hoist Protection Circuit Breaker AMPs and Type</b>	Type D 50A at 220V and 30A at 460V	<b>Overload Protection</b>	Overload Motor Clutch
<b>Optional Load Chain Brand &amp; Country of Origin</b>	FEC Japan	<b>Hour Meter</b>	Internal Working Hour Meter
<b>Load Chain Type</b>	G100 Nickel	<b>Brake SKU</b>	PWRX-2-20-PN.60.61
<b>Load Chain Size</b>	11.2 mm	<b>Brake rectifiers-half-wave</b>	PWRX-BKTF-HW
<b>Chain Falls</b>	8	<b>Brake rectifiers-full-wave</b>	PWRX-BKTF-FW
<b>Chain Length</b>	320		



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
20	PWRXT20-08	1300	700	3500-5500	350	1246	623	71	40	80	120	96	242	167

## Unit Weight & Dimensions

<b>A Total Height</b>	1300
<b>J Hook Opening</b>	120
<b>W Width</b>	1246
<b>H Minimum Headroom</b>	1240
<b>D Depth</b>	700

## Packaging Weight & Dimensions

<b>Package 1 Height</b>	51 in / 129.54 cm
<b>Package 2 Height</b>	23 in / 58.42 cm
<b>Package 1 Width</b>	30 in / 76.2 cm
<b>Package 2 Width</b>	14 in / 35.56 cm
<b>Package 1 Length</b>	55 in / 139.7 cm

<b>1st Package Type</b>	Wood Crate	<b>Package 2 Length</b>	11 in / 27.94 cm
<b>Total Weight (w/out cable or Chain)</b>	845	<b>Package 1 Net Weight</b>	1430 lbs / 649 Kg
<b>2nd Package Type</b>	Wood Crate	<b>Package 2 Net Weight</b>	345.4 lbs / 157 Kg
<b>Total Unit Weight</b>	1775.4 lbs / 806 Kg	<b>Package 1 Gross Weight</b>	1474 lbs / 669 Kg
		<b>Package 2 Gross Weight</b>	374 lbs / 170 Kg