1/4 ton Electric Chain Hoist w/ Power Trolley Variable Speed 440~480V 3ø 50~60HZ 13ft G100 Nickel Duty H4/M5

Key features

- Load Capacity: 1/4 ton (500 lbs.), suitable for lighter industrial lifting and material handling tasks.
- Voltage: Operates at 440~480V, 3-phase electrical systems, adaptable to both 50~60HZ frequencies, suitable for international and multi-frequency applications.
- Variable Speed Operation: Allows for continuous adjustment of lifting speed, providing precise control over load movement for various applications.
- 3 Year Warranty, Customer Support and Service in the USA

Electric Chain Hoist Description

This 1/4-ton electric chain hoist features a power trolley for seamless horizontal movement and variable speed control for precise lifting operations. It operates on a 440~480V, 3-phase 50~60HZ power supply, making it perfect for light-duty industrial applications that require flexibility, precision, and reliable performance.

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
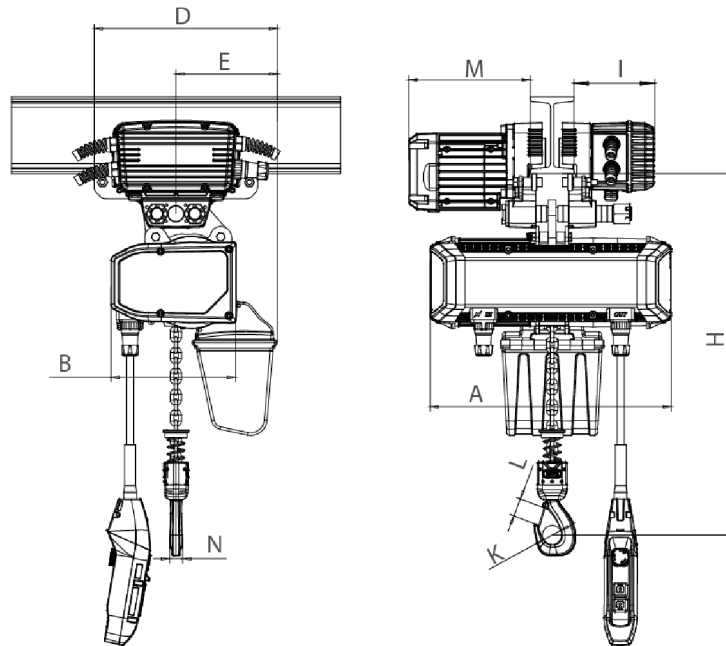
optional wireless control is available.

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.

prowinch.com   Prowinch LLC Certified under   info@prowinch.com
Standard Quality Management
Systems ISO 9001

LSQA
CERTIFICADO
CERTIFICATE
ISO 9001:2015   REG: 1875/01

Technical Specifications

Overload Protection	Overload Motor Clutch	**Standard Lifting Height**	13 ft / 4 m
Trolley Beam Extension Kit	up to 12"	**Speed (f/m) / min**	5.9~37.8 ft @60Hz mt @50Hz
Standards Certified	CE	**Number of Speeds**	Variable Speed
Recommended Hoist Protection Circuit Breaker AMPs and Type	Type D 10A	**Voltage**	3 Phase 440~480V 60Hz
Power Cord Length and Phase Order	3 ft / Black L1 , Red L2 and Blue L3 Green ground	**Total Power Watts**	1500
Pendant Control Yes No	Yes	**Duty Class**	H4/M5/2m/Class D
Pendant Control Emergency Stop	Yes	**IEC Motor Protection**	IP55
Paint Specifications	Electrostatic Sprayed Plastic (ESP) Epoxy resins, Polyester Resins, Barium, Pigments	**Control**	Pendant Control IP66 and Optional Wireless
Trolley Beam Range	3" to 5"	**Control Voltage**	48V
Optional Load Chain Brand & Country of Origin	FEC Japan	**Emergency Stop**	Yes
Trolley Motor Insulation Grade	F	**Transmission / Reducer Type**	Spur gearbox
VFD Model	Z230	**Load Chain Type**	G100 Nikel
Trolley Wheel Material	No. 45 steel	**Load Chain Size**	5mm
Trolley Wheel Diameter	95	**Chain Falls**	1
Trolley VFD Power in KW	2.5kW	**Chain Length**	13
Trolley VFD Model	Z230	**Humidity**	20%~90%
Trolley VFD Brand	Huayuan	**Temperature**	-4 ~ 104° F / -20 ~ 40° C
Brake SKU	PWRX-0.25-0.5-PN.4.11	**Trolley Power**	250
Trolley Motor Brake Type and DC Voltage	DC207V	**Trolley Speed /min**	5.9~47.23 ft @60Hz 1.5~12 mt @50Hz
Trolley Minimum Turn Radius	1.3	**Trolley Number of Speeds**	Variable
Brake Resistor Kw	0.3Kw	**Standards Compliance**	ASME HST-1 , ASME B30.16 , EN60204-36
Brake rectifiers-half-wave	PWRX-BKTF-HW	**Warranty**	3 Year
Rated Load Capacity	1/4 ton		

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
0.25-0.5	PWRXT0.25-0.5-VS	473	447	3500·5500	217	334	152	147	220	20	35

Unit Weight & Dimensions

H Minimum Headroom	385
W Width	305
A Total Height	385
J Hook Opening	35

Packaging Weight & Dimensions

Package 1 Net Weight	72.16 lbs / 33 Kg
Package 2 Net Weight	62.48 lbs / 28 Kg
Package 1 Gross Weight	85.8 lbs / 39 Kg
Package 2 Gross Weight	70.4 lbs / 32 Kg

D Depth	440	**Package 1 Length**	20 in / 50.8 cm
Total Weight (w/out cable or Chain)	67	**Package 2 Length**	8 in / 20.32 cm
Total Unit Weight	134.64 lbs / 62 Kg	**Package 1 Width**	15 in / 38.1 cm
		Package 2 Width	13 in / 33.02 cm
		Package 1 Height	20 in / 50.8 cm
		Package 2 Height	20 in / 50.8 cm