

Hitachi Electric Chain Hoists

Hitachi's reputation for excellence in design, quality, reliability and performance has made the brand a market leader. With three decades of proven reliability throughout Australasia, tested in the widest ranges of operating challenges & three model options from 250kg to 15 tonne capacities, three phase or single phase, 2 speed or single speed Hitachi Electric Chain Hoists are suited to most applications.

Features

- Operation: Fully contactorised using high rated contactors. Standard pendant with mechanical interlock at buttons. 24 volt control. Optional IP65 pendant including E stop available.
- Safety Limits: Full current and shunt limit switches operate in both directions of hook travel.
- Braking: Electro-magnetic, self adjusting disc brakes and additional auxillary centrifugal brake system on 'F' models.
- Enclosure: Totally enclosed design. Entire mechanism including the motor, dual brake system, gears, rotating parts and electrical system can be operated under severe conditions.
- Chain Bucket: Noiseless design with flexible mounting.
- Grade 80 zinc plated load chain supplied as standard.
- Overload Limiter: Feature exclusive to the Hitachi range and boasts a far more superior overload protection device than the slipping clutch method. Available on all Hitachi models.
- IP54 Rating on all electric hoists and trolleys.
- Motor thermal protection on all Hitachi Hoists.
- Reverse phase protection relay on all models excluding 250kg & 500kg and single phase models.
- Special low headroom Hoist and trolley arrangements to cater for tight headroom applications.

NEW FEATURE
Motor thermal
protection on all
Hitachi Hoists



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Applications



Hitachi Hoists used to lift ramp doors at Cattle Yards located in Western NSW in extreme weather conditions



Example of special low headroom Hitachi hoist and trolley in food manufacturing plant

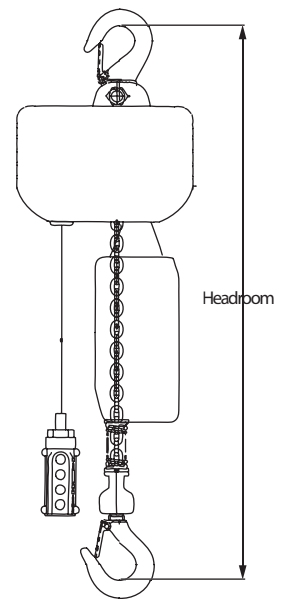
Dimensions and Specifications

Three Phase/Single Speed Hoists

| Model | ¼ S | ½ S | 1S | 2S | 1F | 2F | 3F | 5F |
|-------------------|------|------|------|------|------|------|------|------|
| Rated Capacity kg | 250 | 500 | 1000 | 2000 | 1000 | 2000 | 3000 | 5000 |
| Speed m/min | 10 | 7.2 | 4.6 | 2.3 | 7.1 | 6.8 | 4.1 | 2.8 |
| Motor kW | 0.45 | 0.63 | 0.8 | 0.8 | 1.3 | 2.4 | 2.4 | 2.4 |
| Weight kg | 28 | 31 | 37 | 49 | 42 | 80 | 99 | 121 |
| Headroom mm | 450 | 450 | 530 | 645 | 535 | 660 | 820 | 1020 |

Three Phase/Two Speed Hoists

| Model | ¼ SN | ½ SN | 1SN | 2SN | 2FN | 3FN | 5FN |
|-------------------|-----------|-----------|---------|---------|---------|---------|---------|
| Rated Capacity kg | 250 | 500 | 1000 | 2000 | 2000 | 3000 | 5000 |
| Speed m/min | 7.2/1.8 | 7.2/1.8 | 4.6/1.2 | 2.3/0.6 | 6.8/1.7 | 4.0/1.0 | 2.8/0.7 |
| Motor kW | 0.32/0.08 | 0.63/0.16 | 0.8/0.2 | 0.8/0.2 | 2.4/0.6 | 2.4/0.6 | 2.4/0.6 |
| Weight kg | 33 | 36 | 42 | 54 | 96 | 112 | 146 |
| Headroom mm | 450 | 450 | 530 | 645 | 660 | 820 | 1020 |



Single Phase/Single Speed Hoists

| Model | ¼ S1 | ½ S1 | 1S1 | 2S1 |
|-------------------|------|------|------|------|
| Rated Capacity kg | 250 | 500 | 1000 | 2000 |
| Speed m/min | 5 | 3.6 | 2.3 | 1.1 |
| Motor kW | 0.25 | 0.32 | 0.4 | 0.4 |
| Weight kg | 33 | 34 | 39 | 51 |
| Headroom mm | 450 | 450 | 530 | 645 |

Three Phase/Single and Two Speed Trolleys

| Model | 1ET | 2ET | 3ET | 5ET |
|-------------------|---------------------------|---------|---------|---------|
| Rated Capacity kg | 1000 | 2000 | 3000 | 5000 |
| ET Speed m/min | Standard ETS 10.5 or 21.0 | | | |
| ETN Speed m/min | Two Speed ETN 21.0/5.3 | | | |
| Motor kW | 0.14 | 0.14 | 0.30 | 0.30 |
| Weight kg | 33 | 34 | 39 | 51 |
| Min. Radius m | 1.5 | 1.8 | 2.0 | 3.0 |
| Girder Width mm | 75-125 | 100-150 | 100-150 | 125-175 |

* Larger girder widths available upon request

Your nearest distributor;

The information contained in this flyer is to be used as a guide only, specifications subject to change without notice. All Materials Handling/Lifting jobs should be assessed individually. Pacific Hoists products are NOT to be used for lifting or lowering person/s.



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