

# EQS SINGLE PHASE ELECTRIC CHAIN HOIST

## DUAL SPEED WITH INVERTER



### Applications

- Used in mining, construction, engineering, entertainment and manufacturing industry
- Ideal for the assembly line, work station

### Features

- Single Phase 240V 50Hz, it can be used where no 3-phase power is available
- Dual speed with inverter adjustable speed (standard speed ratio 6:1)
- Standard options available are 3 m and 6 m lift in 500 kg and 1 t capacities (tailored options available up to 15m)
- No-load high-speed function
- 40/20% ED duty rating
- Counter hour meter
- Triple safety mechanism consisting of electronic overload limiter, friction clutch & upper-lower limit switch (a triple-safety mechanism prevents accidents from excessive loads)
- Nickel-plated load chain
- Electronic thermal motor protection prevents the motor from overheating
- Hanging suspension: easy to assemble/disassemble

Economical, light-weight and compact electric chain hoist is designed for easy portability in lifting loads.

Capacity: 500kg – 1T

### Options



Top hook



Push trolley

Australian Standard: AS 1418.2

A global leader of the lifting & securement industry

# EQS Series Electric Chain Hoist

## Outline

|                               |  |
|-------------------------------|--|
| <b>Rated capacity:</b>        | 500kg-1t (Dual speed)  |
| <b>Voltage:</b>               | 240V 50Hz (Single phase)   |
| <b>Control voltage:</b>       | DC 24V   |
| <b>Duty rating:</b>           | 40/20% ED  |
| <b>Classification:</b>        | 1t: M5 (ISO/JIS), 2m (FEM), H4 (ASME)<br>500kg: M6 (ISO/JIS), 3m (FEM), H4 (ASME)                  |
| <b>Motor insulation:</b>      | Class B  |
| <b>Enclosure:</b>             | Hoist body: IP55, Push button control: IP65  |
| <b>Suspension varieties:</b>  | Manual trolley   |
| <b>Operating temperature:</b> | -20 to +40°C (-4 to +104°F)  |
| <b>Operating humidity:</b>    | 85%RH or less  |
| <b>Noise level:</b>           | EQ, dual speed VFD model 80dB or less (A scale: measured at 1m away from the Electric chain hoist) |

## ► EQS Series Electric Chain Hoist



| Capacity | Part No. | Model    | Standard Lift (m) | Lift Speed (m/min)<br>50Hz |     |                    | Weight (kg) | Load Chain dia (mm) x falls | Load Chain dia Part No. |
|----------|----------|----------|-------------------|----------------------------|-----|--------------------|-------------|-----------------------------|-------------------------|
|          |          |          |                   | High                       | Low | No Load High Speed |             |                             |                         |
| 500kg    | 47581    | EQS005IS | 3                 | 7.6                        | 1.3 | 9.9                | 33          | 5.6x1                       | 47715                   |
| 1000kg   | 47584    | EQS010IS | 3                 | 5.1                        | 1.2 | 9.2                | 43          | 7.1x1                       | 47715                   |
| 500kg    | 47582    | EQS005IS | 6                 | 7.6                        | 1.3 | 9.9                | 35          | 5.6x1                       | 47715                   |
| 1000kg   | 47585    | EQS010IS | 6                 | 5.1                        | 1.2 | 9.2                | 46          | 7.1x1                       | 47716                   |

\*Optional lift heights available

## ► Push Trolley



| Capacity | Part No. | Model          | Beam Range (mm) |
|----------|----------|----------------|-----------------|
| 500kg    | 47508    | TSP005         | 50-102          |
| 500kg    | 47493    | TSP005 W20 Kit | 103-203         |
| 500kg    | 47494    | TSP005 W30 Kit | 204-305         |
| 1000kg   | 47509    | TSP010         | 58-127          |
| 1000kg   | 47438    | TSP010 W20 Kit | 127-203         |
| 1000kg   | 47439    | TSP010 W30 Kit | 204-305         |



Premium Quality Products

For more information:

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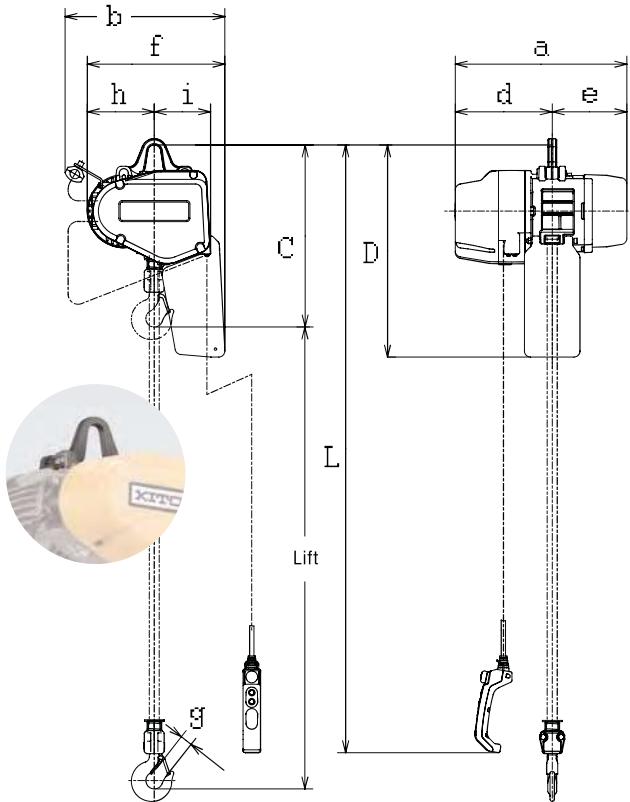
E: [Australia\\_WASales@kitocrosby.com](mailto:Australia_WASales@kitocrosby.com)

# EQ/ EQS Series Electric Chain Hoist

## Suspension eye

EQ

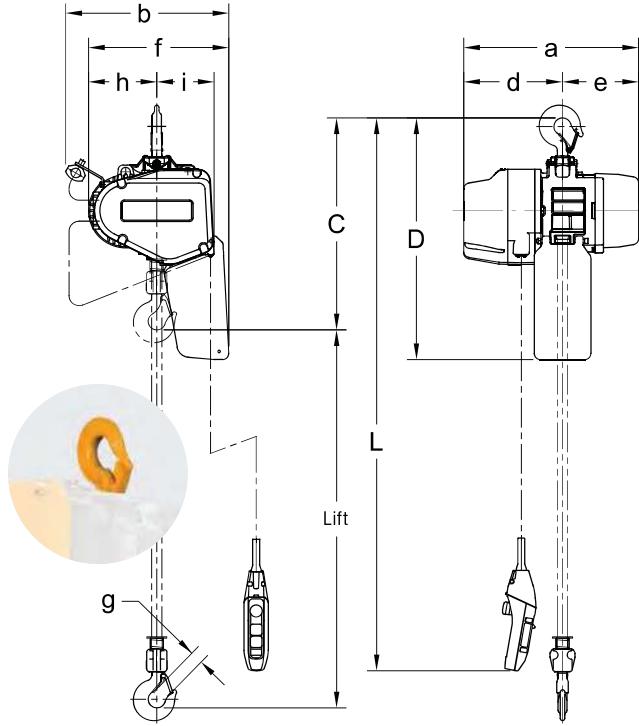
EQS



## Top hook

EQ

EQS



## Dimensions EQ / EQS

| Basic | Type     | Load capacity | Headroom C (mm) |                     |               |                     | Dimensions (mm) |     |     |     |     |    |     |     |
|-------|----------|---------------|-----------------|---------------------|---------------|---------------------|-----------------|-----|-----|-----|-----|----|-----|-----|
|       |          |               | C<br>top hook   | C<br>suspension eye | D<br>top hook | D<br>suspension eye | a               | b   | d   | e   | f   | g  | h   | i   |
| EQ    | EQ001IS  | 125           | 440             | 395                 | 533           | 485                 | 417             | 367 | 230 | 187 | 298 | 27 | 137 | 128 |
| EQ    | EQ003IS  | 250           | 440             | 395                 | 533           | 485                 | 417             | 367 | 230 | 187 | 298 | 27 | 137 | 128 |
| EQ    | EQ005IS  | 500           | 458             | 410                 | 533           | 485                 | 417             | 367 | 230 | 187 | 298 | 27 | 137 | 128 |
| EQ    | EQ010IS  | 1,000         | 525             | 465                 | 598           | 535                 | 433             | 403 | 245 | 188 | 332 | 31 | 154 | 142 |
| EQS   | EQS005IS | 500           | 458             | 410                 | 533           | 485                 | 417             | 367 | 230 | 187 | 298 | 27 | 137 | 128 |
| EQS   | EQS010IS | 1,000         | 525             | 465                 | 598           | 535                 | 433             | 403 | 245 | 188 | 332 | 31 | 154 | 142 |

## Technical Data EQ / EQS

| Basic | Type     | Load capacity | Body size | Standard lifting height | Lifting motor |         | Lifting speed, m/min |                   |                             |                  | Load chain diameter | Chain falls | Classification | Weight | Headroom C |
|-------|----------|---------------|-----------|-------------------------|---------------|---------|----------------------|-------------------|-----------------------------|------------------|---------------------|-------------|----------------|--------|------------|
|       |          |               |           |                         | kg            | m       | Output, kW           | Rating, % ED      | High (light load), 0 - 30 % | High, 30 - 100 % |                     |             |                |        |            |
| EQ    | EQ001IS  | 125           | C         | 3                       | 0.5           | 40 / 20 | 22.0                 | 17.0              | 2.8                         | 5.6 x 15.7       | 1                   | 3m          | 32             | 395    |            |
| EQ    | EQ003IS  | 250           | C         | 3                       | 0.5           | 40 / 20 | 13.0                 | 10.0              | 1.7                         | 5.6 x 15.7       | 1                   | 3m          | 31             | 395    |            |
| EQ    | EQ005IS  | 500           | C         | 3                       | 0.75          | 40 / 20 | 9.9                  | 7.6               | 1.3                         | 5.6 x 15.7       | 1                   | 3m          | 32             | 410    |            |
| EQ    | EQ010IS  | 1,000         | D         | 3                       | 1.5           | 40 / 20 | 9.2                  | 7.1               | 1.2                         | 7.1 x 19.9       | 1                   | 2m          | 42             | 465    |            |
| EQS   | EQS005IS | 500           | C         | 3                       | 0.75          | 40 / 20 | 9.9 <sup>*</sup>     | 7.6 <sup>*</sup>  | 1.3                         | 5.6 x 15.7       | 1                   | 3m          | 33             | 410    |            |
| EQS   | EQS010IS | 1,000         | D         | 3                       | 1.5           | 40 / 20 | 9.2 <sup>**</sup>    | 5.1 <sup>**</sup> | 1.2                         | 7.1 x 19.9       | 1                   | 2m          | 43             | 465    |            |

<sup>\*</sup>% of full load, EQS005 speed ratio 6:1. <sup>\*\*</sup>EQS010 speed ratio 4:1, 1.8 times faster lifting speed when lifting less than 30% of full load.