



## Electric Chain Hoist KITO ER2 Dual Speed Series

### Product information

#### Electric chain hoist with hook suspension

**General:** The KITO ER2 Electric Chain Hoists are durable, safe and easy to use hoists. It has a top hook or overhead mounting suspension, aluminium die-cast body, electromagnetic brake and a canvas chain container. It lifts from 125 kg up to 5 tons.

#### Standard configuration:

- 400 V/50 Hz
- Frequency inverter for 2 lifting speeds
- CH-Meter: operating hours/number of starts
- Ergonomic push button control
- Upper-lower limit switch
- Nickel-plated load chain class grade 80 (DAT) in accordance with Norm EN 818-7
- Thermal protector
- Carbon friction clutch

#### Options:

- 500 V/Contactor control
- 230 V/50 Hz/60 Hz, 3 phase
- Rubber bumpers for motorized trolleys
- Additional mechanical brake
- Electrical overload limiter
- Acoustic overload signal
- Radio remote control
- Variable speed control
- Level limit switch
- Steel chain container
- Trolley versions: motorized, geared and plain

**Note:** Can also be delivered with infinitely variable speed control, programmable level limits and cylinder control.

| Part Code     | Code      | WLL ton | Lifting height m | Number of falls | Lifting motor Output (kW) | Lifting motor Rating (%ED) | Class ISO/FEM | Additional weight per 1 m lift | Lifting speed* 50Hz high m/min | Lifting speed* 50Hz low m/min | Test load kg | Load chain mm | Weight kg |
|---------------|-----------|---------|------------------|-----------------|---------------------------|----------------------------|---------------|--------------------------------|--------------------------------|-------------------------------|--------------|---------------|-----------|
| 5401012510074 | ER2-001IH | 0.125   | 3                | 1               | 0.56                      | 40/20                      | M6/3m         | 0.42                           | 16.6                           | 2,8-1,4                       | 156          | 4.3 x 12      | 27        |
| 5401000310074 | ER2-003IS | 0.25    | 3                | 1               | 0.56                      | 40/20                      | M6/3m         | 0.42                           | 10.8                           | 1,8-0,9                       | 313          | 4.3 x 12      | 27        |
| 5401000310071 | ER2-003IH | 0.25    | 3                | 1               | 0.9                       | 40/20                      | M6/3m         | 0.81                           | 15.7                           | 2,6-1,3                       | 313          | 6.0 x 16.8    | 36        |
| 5401000510074 | ER2-005IL | 0.5     | 3                | 1               | 0.56                      | 40/20                      | M6/3m         | 0.81                           | 4.5                            | 0,8-0,4                       | 625          | 6.0 x 16.8    | 32        |
| 5401000510071 | ER2-005IS | 0.5     | 3                | 1               | 0.9                       | 40/20                      | M6/3m         | 0.81                           | 8.5                            | 1,4-0,7                       | 625          | 6.0 x 16.8    | 36        |
| 5401001010074 | ER2-010IL | 1       | 3                | 1               | 0.9                       | 40/20                      | M5/2m         | 1.33                           | 4.2                            | 0,7-0,3                       | 1,250        | 7.7 x 21.5    | 45        |
| 5401001010071 | ER2-010IS | 1       | 3                | 1               | 1.8                       | 40/20                      | M5/2m         | 1.33                           | 8.2                            | 1,4-0,7                       | 1,250        | 7.7 x 21.5    | 52        |
| 5401001610074 | ER2-016IS | 1.6     | 3                | 1               | 1.8                       | 40/20                      | M5/2m         | 2.3                            | 5.3                            | 0,9-0,4                       | 2,000        | 10.2 x 28.5   | 72        |
| 5401002010074 | ER2-020IL | 2       | 3                | 1               | 1.8                       | 40/20                      | M4/1Am        | 2.3                            | 4.3                            | 0,7-0,4                       | 2,500        | 10.2 x 28.5   | 73        |
| 5401002010071 | ER2-020IS | 2       | 3                | 1               | 3.5                       | 40/20                      | M4/1Am        | 2.3                            | 8.2                            | 1,4-0,7                       | 2,500        | 10.2 x 28.5   | 89        |
| 5401002510074 | ER2-025IS | 2.5     | 3                | 1               | 3.5                       | 40/20                      | M4/1Am        | 2.8                            | 6.6                            | 1,1-0,6                       | 3,130        | 11.2 x 31.3   | 100       |
| 5401003220074 | ER2-032IS | 3.2     | 3                | 2               | 3.5                       | 40/20                      | M4/1Am        | 4.7                            | 5.2                            | 0,9-0,4                       | 4,000        | 10.2 x 28.5   | 105       |
| 5401005020074 | ER2-050IS | 5       | 3                | 2               | 3.5                       | 40/20                      | M4/1Am        | 5.6                            | 3.3                            | 0,6-0,3                       | 6,250        | 11.2 x 31.3   | 128       |

## Technical data

### Dimensions

| WLL   | Product   | Min. headroom C | D   | a   | b   | d   | e   | f     | g  | h     | i     |
|-------|-----------|-----------------|-----|-----|-----|-----|-----|-------|----|-------|-------|
| tons  | code      | mm              | mm  | mm  | mm  | mm  | mm  | mm    | mm | mm    | mm    |
| 0,125 | ER2-001IH | 350             | 430 | 535 | 345 | 276 | 259 | 284   | 27 | 99    | 117   |
| 0,250 | ER2-003IS | 350             | 430 | 535 | 345 | 276 | 259 | 284   | 27 | 99    | 117   |
| 0,250 | ER2-003IH | 370             | 490 | 568 | 348 | 300 | 268 | 283   | 27 | 113   | 106   |
| 0,5   | ER2-005IL | 370             | 490 | 571 | 348 | 300 | 271 | 283   | 27 | 113   | 106   |
| 0,5   | ER2-005IS | 370             | 490 | 568 | 348 | 300 | 268 | 283   | 27 | 113   | 106   |
| 1     | ER2-010IL | 430             | 550 | 614 | 376 | 316 | 298 | 335   | 31 | 129   | 118   |
| 1     | ER2-010IS | 430             | 550 | 623 | 376 | 316 | 307 | 335   | 31 | 129   | 118   |
| 1,6   | ER2-016IS | 510             | 630 | 710 | 427 | 372 | 338 | 384,5 | 34 | 160,5 | 137,5 |
| 2     | ER2-020IL | 575             | 630 | 710 | 427 | 372 | 338 | 384,5 | 39 | 160,5 | 137,5 |
| 2     | ER2-020IS | 590             | 630 | 767 | 427 | 411 | 356 | 384,5 | 39 | 160,5 | 137,5 |
| 2,5   | ER2-025IS | 625             | 840 | 800 | 445 | 401 | 399 | 437,5 | 39 | 173,5 | 142,5 |
| 3,2   | ER2-032IS | 785             | 920 | 767 | 427 | 411 | 356 | 397   | 44 | 216   | 82    |
| 5     | ER2-050IS | 850             | 920 | 800 | 445 | 401 | 399 | 439   | 47 | 231,5 | 84,5  |

# Blueprint

