

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:

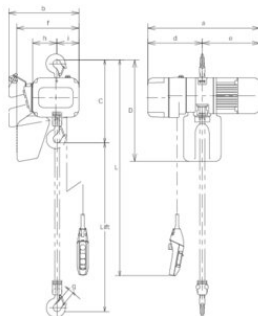
- 500 V/Contactor control
- 230 V/50 Hz/60 Hz, 3 phase
- Rubber bumpers for motorized trolleys
- Additional mechanical brake
- Electrical overload limiter
- Acoustic overload signal

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

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Blueprint



Technical data

| Part code | Code | WLL ton | Lifting height m | Number of falls | Motor 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 |

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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 |