

## **CM Lodestar Electric chain hoist Capacity 250 - 3000kgs**

The Lodestar hoist is a tough and durable electric chain hoist, designed to keep working in the most arduous applications. This hoist is recognised and proven within the hire industry as the number one hoist, where high duty, combined with long heights of lift are required.

From hook suspension in the rental industry to trolley mounted in a factory production line, the Lodestar has a proven reputation as the solution for industrial strength lifting.

Standard operating voltage: 110v 1ph 50Hz, 240v 1ph 50Hz and 400v 3ph 50Hz available ex-stock.

### ***Features include:***

- ◆ Tough lightweight aluminium alloy covers totally enclose the mechanical and electrical components providing protection and efficient heat dissipation. The design enables easy access for installation and service.
- ◆ Adjustable upper and lower limit switches.
- ◆ 48v control, IP65 pendant as standard.
- ◆ Thermal overload protection as standard.
- ◆ FEM classification 2m (50% duty - 30 minutes continuous use per hour).
- ◆ Excellent closed height dimensions.
- ◆ A lifetime lubricated gearbox contributes to exceptional service and maintenance characteristics.
- ◆ Single phase hoist supplied with handles and 1 mtr supply cable with Cee-Form plug.
- ◆ 3-phase single speed hoist motors are dual voltage.
- ◆ Load hook with axial bearing.



# **Lodestar 110-240v**

## Specifications:

| Model    | Operating voltage | Capacity (kgs) | Frame type | Falls of load chain | Lifting speed (m/min) | Closed height* (mm) |
|----------|-------------------|----------------|------------|---------------------|-----------------------|---------------------|
| CMLS250  | 230v 1ph 50Hz     | 250            | C          | 1                   | 8                     | 413                 |
| CMLS250  | 110v 1ph 50Hz     | 250            | C          | 1                   | 8                     | 413                 |
| CMLS500  | 230v 1ph 50Hz     | 500            | F          | 1                   | 4                     | 413                 |
| CMLS500  | 110v 1ph 50Hz     | 500            | F          | 1                   | 4                     | 413                 |
| CMLS500  | 230v 1ph 50Hz     | 500            | J          | 1                   | 8                     | 471                 |
| CMLS500  | 110v 1ph 50Hz     | 500            | J          | 1                   | 8                     | 471                 |
| CMLS1000 | 230v 1ph 50Hz     | 1000           | L          | 1                   | 4                     | 471                 |
| CMLS1000 | 110v 1ph 50Hz     | 1000           | L          | 1                   | 4                     | 471                 |
| CMLS2000 | 230v 1ph 50Hz     | 2000           | R          | 2                   | 2                     | 613                 |
| CMLS2000 | 110v 1ph 50Hz     | 2000           | R          | 2                   | 2                     | 613                 |
| CMLS3000 | 230v 1ph 50Hz     | 3000           | RT         | 3                   | 1.33                  | 751                 |
| CMLS3000 | 110v 1ph 50Hz     | 3000           | RT         | 3                   | 1.33                  | 751                 |

| Model    | Frame type | Load chain depth x pitch (mm) | Hoist motor (kW) | Net weight* hook suspension (kgs) | Net weight* push trolley (kgs) | Net weight* geared trolley (kgs) | Net weight* electric trolley (kgs) |
|----------|------------|-------------------------------|------------------|-----------------------------------|--------------------------------|----------------------------------|------------------------------------|
| CMLS250  | C          | 6.3 x 18.9                    | 0.37             | 29                                | 40                             | 43                               | 84                                 |
| CMLS250  | C          | 6.3 x 18.9                    | 0.37             | 30                                | 41                             | 44                               | 85                                 |
| CMLS500  | F          | 6.3 x 18.9                    | 0.37             | 28                                | 39                             | 42                               | 83                                 |
| CMLS500  | F          | 6.3 x 18.9                    | 0.37             | 29                                | 40                             | 43                               | 84                                 |
| CMLS500  | J          | 7.9 x 21.7                    | 0.75             | 51                                | 62                             | 65                               | 106                                |
| CMLS500  | J          | 7.9 x 21.7                    | 0.75             | 52                                | 63                             | 66                               | 107                                |
| CMLS1000 | L          | 7.9 x 21.7                    | 0.75             | 52                                | 70                             | 74                               | 107                                |
| CMLS1000 | L          | 7.9 x 21.7                    | 0.75             | 53                                | 71                             | 75                               | 108                                |
| CMLS2000 | R          | 7.9 x 21.7                    | 0.75             | 58                                | 76                             | 80                               | 113                                |
| CMLS2000 | R          | 7.9 x 21.7                    | 0.75             | 59                                | 77                             | 81                               | 114                                |
| CMLS3000 | RT         | 7.9 x 21.7                    | 0.75             | 64                                | N/A                            | N/A                              | 119                                |
| CMLS3000 | RT         | 7.9 x 21.7                    | 0.75             | 65                                | N/A                            | N/A                              | 120                                |

\* Weight for standard 3m lift. Other lifting heights on request.

\*\* Additional weight for 2 speed version 2.0kgs.

| LODESTAR CHAIN CONTAINERS |             |                    |                 |
|---------------------------|-------------|--------------------|-----------------|
| Hoist                     | Part number | Lift height (mtrs) | Chain size (mm) |
| C/F                       | CCS-SF40    | 12                 | 6.3             |
| C/F                       | CCS-SF80    | 24                 | 6.3             |
| C/F                       | CCS-SF150   | 45                 | 6.3             |
| J-L / R / RT-RRT          | CCS-LF60    | 18 / 9 / 5         | 7.9             |
| J-L / R / RT-RRT          | CCS-LF100   | 30 / 15 / 10       | 7.9             |
| J-L / R / RT-RRT          | CCS-LF150   | 45 / 22 / 15       | 7.9             |
| J-L / R / RT-RRT          | CCS-LF200   | 60 / 30 / 20       | 7.9             |
| J-L / R / RT-RRT          | CCS-LF400   | 120 / 60 / 40      | 7.9             |

\* Top hook suspension.

## Dimensions:

| Model      | Lodestar 250 / 500 | Lodestar 500 / 1000 | Lodestar 2000 | Lodestar 3000 |
|------------|--------------------|---------------------|---------------|---------------|
| Frame type | A, B, C, F and AA  | J, L, JJ and LL     | R, RR         | RT, RRT       |
| A, mm      | 413                | 471                 | 613           | 750           |
| B, mm      | 156                | 194                 | 194           | 194           |
| C, mm      | 17                 | 22                  | 28            | 28            |
| D, mm      | 279                | 241                 | 241           | 241           |
| F, mm      | 197                | 271                 | 271           | 271           |
| H, mm      | 25                 | 30                  | 38            | 38            |
| J, mm      | 100                | 138                 | 165           | 165           |
| L, mm      | 122                | 184                 | 157           | 157           |
| M, mm      | 25                 | 28                  | 33            | 33            |
| P, mm      | 168                | 198                 | 198           | 198           |
| AP, mm     | 235                | 271                 | 284           | 319           |

CM Lodestar, hook suspension.

