



Electric Chain Hoist  
Electric Wire Rope Hoist  
End Carriages  
Crane Motor  
Portable Gantry Crane  
Crane Wheel Block  
Electric Chain Hoist (Ex-proof)

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E-Catalog





## Higher Performance & Faster

BMS electric chain hoist is manufactured with high performance, high safety, and high reliability design concept to increase a productivity and to perform the work to achieve the highest efficiency.

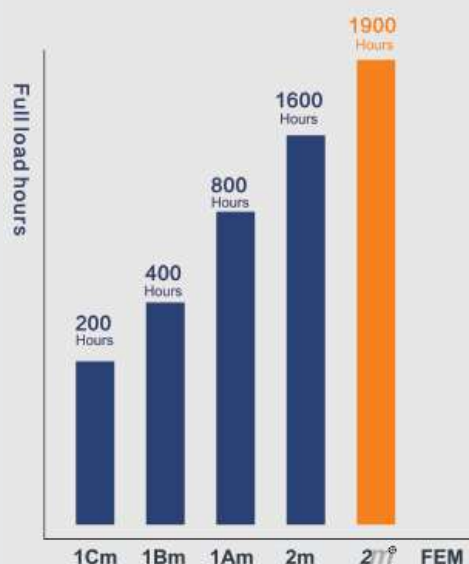
BMS 2-speed electric chain hoist is designed for more various hoisting applications. Fast speed makes the work more efficient. Slow speed makes the work more accurate.

## Longer service life

BMS electric chain hoist's service life is extended by approx. 20% in comparison with the conventional 2m classification for FEM rating.

It results in significantly prolonged time between service intervals and general overhauls.

This extra operating life is only offered by BMS european electric chain hoist.



## Maintenance: Fast and Simple

All BMS electric chain hoist's main drive components, such as gear box, brake and clutch, are made by a special process to improve them more durable. For example, BMS series brake is maintenance-free for 5 years. BRIMA hoist still has a long working life with high quality even with more frequent hoisting.

Because BMS european electric chain hoist is designed with ease of service concept, it can be maintained quicker and simpler.

The chain drive is designed as a compact unit which is slid into place, so it can be replaced in a minimum of time without the need to disassemble motor or gearbox parts. Long downtime as a result of maintenance work is not required anymore.

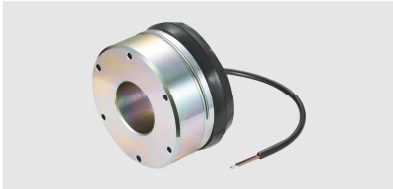
# Electric Chain Hoist

## BMS Series



### Motor :

The BMS hoist's motor has passed all relevant authority quality certification. The motor has very high-performance but compact size and light weight. The duty factor is up to 60% (40/20). The insulation class is class F. The speed of motor can reach up to 3,000 RPM.



### Brake :

The lifting-hoist electromagnetic brake located at the end of transmission gear shaft is maintenance-free design, so its clearance is adjusted automatically. Its material does not contain Asbestos. The brake is completely enclosed and has high protection level to meet the requirements in harsh environment. Also, it is tested for 1 million times. The braking torque is 2 times of rated to motor torque.



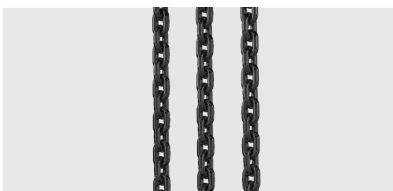
### Slipping clutch :

The slipping clutch, integrated on the transmission gear shaft, protects the overload lifting. The maintenance-free design can keep the torque up to 1.52 times of safe load, and the overload torque can be adjusted.



### Reduction gear :

The reduction gear, helical gear design and lubricated in oil bath, makes high-transmission efficiency and low noise. The gears put through heat treatment process after grinding, and its teeth are also surface hardened. Its accuracy is grade 7 or higher. So, it has ultra-long life, ultra-low noise, and efficient transmission.



### Load chain :

The load chain is produced through an integrated manufacturing system under strict quality control. The superstrong and wear-resistant load chain is made from special alloy steel achieve a high level of work safety.



### Bottom hook :

The bottom hook is designed to be comfortable to hold and hang the load. The hook is forged and has excellent strength. It can be rotated 360 degrees. The specially designed safety catch ensures a safety operation.



### Housing :

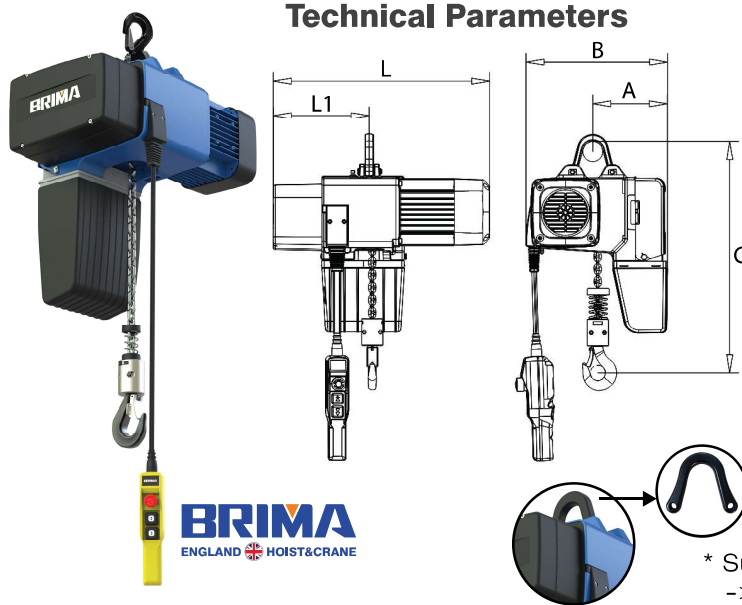
The body is made by high-strength alloy die-casting integrated molding to resist corrosion. The motor shell is made by plastic to reduce the weight and make heat dissipation better. Good sealing housing protects the hoist from dust and water - IP55.



### Pendant control :

The pendant's control system uses low voltage and comes with an emergency stop to be safe for users. The weight is concentrated on wire rope which greatly improves cable life. Good sealing of pendant control protects dust and water - IP65.

## Electric Chain Hoist - Model BMS-M



### Technical Parameters

### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrectrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)  
3P 220VAC 50Hz (Option)  
1P 220VAC 50Hz (Option)

\* Suspension type of top hook is available as an optional.  
-> Recommended using with KH rail (or KBK rail)

| Model        | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Dimension (mm)        |     |     |     |     | Net Weight (Lift 3 m) (kg) |
|--------------|-----------------|-----------------------|---------------------------|------------|--------------|-----------------------|-----|-----|-----|-----|----------------------------|
|              |                 |                       |                           | Dia. (mm)  | No. of falls | L                     | L1  | A   | B   | C   |                            |
| BMS0.125-01M | 125             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 455                   | 209 | 160 | 288 | 408 | 24                         |
| BMS0.25-01M  | 250             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 455                   | 209 | 160 | 288 | 408 | 24                         |
|              |                 | 2-Speed : 12 / 3      | 0.8 / 0.2                 | 5.0        | 1            | 490                   | 218 | 170 | 320 | 420 | 31                         |
|              |                 | 2-Speed : 16 / 4      | 1.8 / 0.45                | 7.1        | 1            | 564                   | 254 | 182 | 343 | 516 | 56                         |
| BMS0.5-02M   | 500             | 2-Speed : 4 / 1       | 0.4 / 0.1                 | 5.0        | 2            | 455                   | 209 | 160 | 288 | 491 | 35                         |
| BMS0.5-01M   | 500             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            | 490                   | 218 | 170 | 320 | 420 | 31                         |
|              |                 | 2-Speed : 12 / 3      | 1.8 / 0.45                | 7.1        | 1            | 564                   | 254 | 182 | 343 | 516 | 56                         |
|              |                 | 2-Speed : 16 / 4      | 2.3 / 0.6                 | 7.1        | 1            | 641                   | 254 | 182 | 343 | 516 | 68                         |
|              |                 | 1-Speed : 8 (INV.)    | 0.8                       | 5.0        | 1            | 490                   | 218 | 170 | 320 | 420 | 31                         |
| BMS01-02M    | 1,000           | 2-Speed : 4 / 1       | 0.8 / 0.2                 | 5.0        | 2            | 490                   | 218 | 170 | 320 | 503 | 35                         |
| BMS01-01M    | 1,000           | 2-Speed : 8 / 2       | 1.8 / 0.45                | 7.1        | 1            | 564                   | 254 | 182 | 343 | 516 | 56                         |
|              |                 | 2-Speed : 12 / 3      | 2.3 / 0.6                 | 7.1        | 1            | 641                   | 254 | 182 | 343 | 516 | 68                         |
|              |                 | 1-Speed : 8 (INV.)    | 1.8                       | 7.1        | 1            | 564                   | 254 | 182 | 343 | 516 | 56                         |
| BMS02-02M    | 2,000           | 2-Speed : 4 / 1       | 1.8 / 0.45                | 7.1        | 2            | 564                   | 289 | 182 | 343 | 615 | 65                         |
| BMS02-01M    | 2,000           | 2-Speed : 8 / 2       | 3.6 / 0.9                 | 10.0       | 1            | 741                   | 361 | 268 | 503 | 609 | 126                        |
|              |                 | 1-Speed : 8 (INV.)    | 3.6                       | 10.0       | 1            | 741                   | 361 | 268 | 503 | 609 | 126                        |
| BMS03-02M    | 3,000           | 2-Speed : 4 / 1       | 3.6 / 0.9                 | 10.0       | 2            | 741                   | 361 | 268 | 503 | 731 | 140                        |
| BMS03-01M    | 3,000           | 2-Speed : 6.4 / 1.6   | 4.0 / 1.0                 | 11.2       | 1            | 741                   | 361 | 268 | 503 | 667 | 144                        |
| BMS05-02M    | 5,000           | 2-Speed : 4 / 1       | 4.0 / 1.0                 | 11.2       | 2            | 741                   | 361 | 268 | 503 | 755 | 150                        |
| BMS08-03M    | 8,000           | 2-Speed : 2.7 / 0.9   | 4.0 / 1.0                 | 11.2       | 3            | Request for dimension |     |     |     |     |                            |

\* Height of lift can be changed upon the usage.

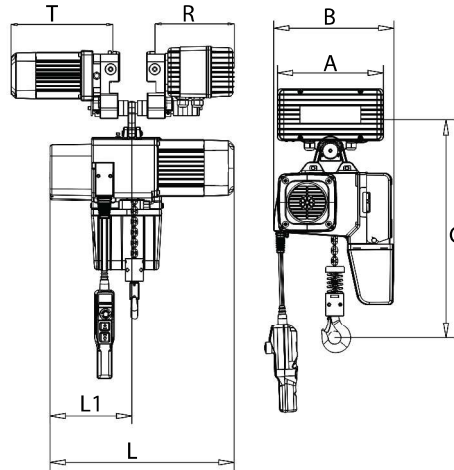
\* For other lifting speed, Please contact our sale department.

# Electric Chain Hoist BMS Series

## Electric Chain Hoist with Electric Trolley - Model BMS-MET



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)  
3P 220VAC 50Hz (Option)  
1P 220VAC 50Hz (Option)
- Traversing beam width :
  - 75 - 175 mm for 500 kg or less.
  - 75 - 200 mm for 1 ton or more.
- Traversing speed :
  - 1-speed : 18 or 12 m/min. (Standard)
  - 2-speed : 20 / 5 m/min. (Inverter)

| Model          | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Traversing Motor Output (kW) | Dimension (mm)        |     |     |     |     |     |     | Net Weight (Lift 3 m) (kg) |
|----------------|-----------------|-----------------------|---------------------------|------------|--------------|------------------------------|-----------------------|-----|-----|-----|-----|-----|-----|----------------------------|
|                |                 |                       |                           | Dia. (mm)  | No. of falls |                              | L                     | L1  | T   | R   | A   | B   | C   |                            |
| BMS0.125-01MET | 125             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 0.4                          | 455                   | 209 | 271 | 211 | 282 | 288 | 478 | 41                         |
| BMS0.25-01MET  | 250             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            |                              | 455                   | 209 | 271 | 211 | 282 | 288 | 478 | 41                         |
|                |                 | 2-Speed : 12 / 3      | 0.8 / 0.2                 | 5.0        | 1            |                              | 490                   | 218 | 271 | 211 | 282 | 320 | 490 | 48                         |
|                |                 | 2-Speed : 16 / 4      | 1.8 / 0.45                | 7.1        | 1            |                              | 564                   | 254 | 282 | 206 | 293 | 343 | 579 | 84                         |
| BMS0.5-02MET   | 500             | 2-Speed : 4 / 1       | 0.4 / 0.1                 | 5.0        | 2            |                              | 455                   | 209 | 271 | 211 | 282 | 288 | 478 | 52                         |
| BMS0.5-01MET   | 500             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            |                              | 490                   | 218 | 271 | 211 | 282 | 320 | 490 | 48                         |
|                |                 | 2-Speed : 12 / 3      | 1.8 / 0.45                | 7.1        | 1            |                              | 564                   | 254 | 282 | 206 | 293 | 343 | 579 | 84                         |
|                |                 | 2-Speed : 16 / 4      | 2.3 / 0.6                 | 7.1        | 1            |                              | 641                   | 254 | 282 | 206 | 293 | 343 | 579 | 96                         |
|                |                 | 1-Speed : 8 (INV.)    | 0.8                       | 5.0        | 1            |                              | 490                   | 218 | 271 | 211 | 282 | 320 | 490 | 48                         |
| BMS01-02MET    | 1,000           | 2-Speed : 4 / 1       | 0.8 / 0.2                 | 5.0        | 2            |                              | 490                   | 218 | 282 | 206 | 282 | 320 | 573 | 63                         |
| BMS01-01MET    | 1,000           | 2-Speed : 8 / 2       | 1.8 / 0.45                | 7.1        | 1            |                              | 564                   | 254 | 282 | 206 | 293 | 343 | 579 | 84                         |
|                |                 | 2-Speed : 12 / 3      | 2.3 / 0.6                 | 7.1        | 1            |                              | 564                   | 254 | 282 | 206 | 293 | 343 | 579 | 96                         |
|                |                 | 1-Speed : 8 (INV.)    | 1.8                       | 7.1        | 1            |                              | 564                   | 254 | 282 | 206 | 293 | 343 | 579 | 84                         |
| BMS02-02MET    | 2,000           | 2-Speed : 4 / 1       | 1.8 / 0.45                | 7.1        | 2            | 0.55                         | 564                   | 289 | 282 | 206 | 330 | 343 | 685 | 100                        |
| BMS02-01MET    | 2,000           | 2-Speed : 8 / 2       | 3.6 / 0.9                 | 10.0       | 1            |                              | 741                   | 361 | 284 | 207 | 330 | 503 | 668 | 161                        |
|                |                 | 1-Speed : 8 (INV.)    | 3.6                       | 10.0       | 1            |                              | 741                   | 361 | 284 | 207 | 330 | 503 | 668 | 161                        |
| BMS03-02MET    | 3,000           | 2-Speed : 4 / 1       | 3.6 / 0.9                 | 10.0       | 2            | 1.1                          | 741                   | 361 | 350 | 239 | 340 | 503 | 793 | 172                        |
| BMS03-01MET    | 3,000           | 2-Speed : 6.4 / 1.6   | 4.0 / 1.0                 | 11.2       | 1            |                              | 741                   | 361 | 350 | 239 | 340 | 503 | 720 | 176                        |
| BMS05-02MET    | 5,000           | 2-Speed : 4 / 1       | 4.0 / 1.0                 | 11.2       | 2            |                              | 741                   | 361 | 356 | 222 | 400 | 503 | 812 | 205                        |
| BMS08-03MET    | 8,000           | 2-Speed : 2.7 / 0.9   | 4.0 / 1.0                 | 11.2       | 3            |                              | Request for dimension |     |     |     |     |     |     |                            |

\* Height of lift can be changed upon the usage.

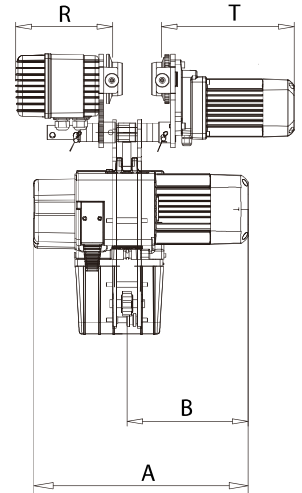
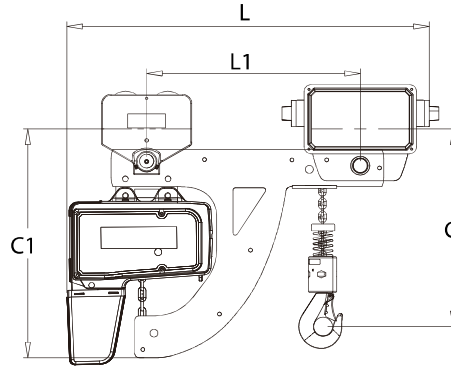
\* For other lifting speed, Please contact our sale department.

## Low-headroom Type Electric Chain Hoist with Electric Trolley Model BMS-ML



**BRIMA**  
ENGLAND  HOIST&CRANE

### Technical Parameters



### Main characteristics

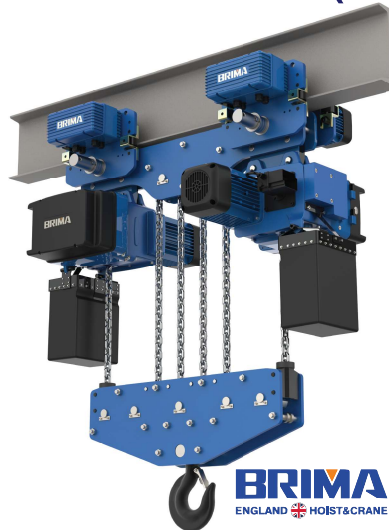
- Motor insulation : Class F
- Duty : 60%ED (40/20), FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz
- Traversing beam width :
  - 250 kg - 5.0 Ton : 100 - 180 mm
  - 8.0 Ton : 150 - 180 mm
- Traversing speed :
  - 1-speed : 18 or 12 m/min. (Standard)
  - 2-speed : 20 / 5 m/min. (Inverter)

| Model        | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Traversing Motor Output (kW) | Dimension (mm) |     |     |     |     |     |     |     |
|--------------|-----------------|-----------------------|---------------------------|------------|--------------|------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|
|              |                 |                       |                           | Dia. (mm)  | No. of falls |                              | L              | L1  | T   | R   | A   | B   | C   | C1  |
| BMS0.25-01ML | 250             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            | 0.4                          | 770            | 453 | 271 | 211 | 490 | 257 | 330 | 490 |
| BMS0.5-01ML  | 500             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            |                              | 770            | 453 | 271 | 211 | 490 | 257 | 330 | 490 |
| BMS01-02ML   | 1,000           | 2-Speed : 4 / 1       | 0.8 / 0.2                 | 5.0        | 2            |                              | 770            | 453 | 282 | 206 | 490 | 257 | 410 | 490 |
| BMS01-01ML   | 1,000           | 2-Speed : 8 / 2       | 1.8 / 0.45                | 7.1        | 1            |                              | 863            | 548 | 282 | 206 | 630 | 292 | 375 | 630 |
| BMS02-02ML   | 2,000           | 2-Speed : 4 / 1       | 1.8 / 0.45                | 7.1        | 2            | 0.55                         | 891            | 548 | 284 | 207 | 630 | 292 | 485 | 630 |
| BMS02-01ML   | 2,000           | 2-Speed : 8 / 2       | 3.6 / 0.9                 | 10.0       | 1            |                              | 1123           | 680 | 284 | 207 | 720 | 380 | 391 | 720 |
| BMS2.5-01ML  | 2,500           | 2-Speed : 8 / 2       | 4.0 / 1.0                 | 11.2       | 1            | 1.1                          | 1185           | 745 | 350 | 239 | 720 | 380 | 429 | 720 |
| BMS03-02ML   | 3,000           | 2-Speed : 4 / 1       | 3.6 / 0.9                 | 10.0       | 2            |                              | 1185           | 745 | 350 | 239 | 720 | 380 | 508 | 720 |
| BMS05-02ML   | 5,000           | 2-Speed : 4 / 1       | 4.0 / 1.0                 | 11.2       | 2            |                              | 1245           | 775 | 356 | 222 | 720 | 380 | 543 | 720 |
| BMS08-03ML   | 8,000           | 2-Speed : 4 / 1       | 2.7 / 0.9                 | 11.2       | 3            |                              | 1444           | 966 | 356 | 222 | 741 | 381 | 653 | 735 |

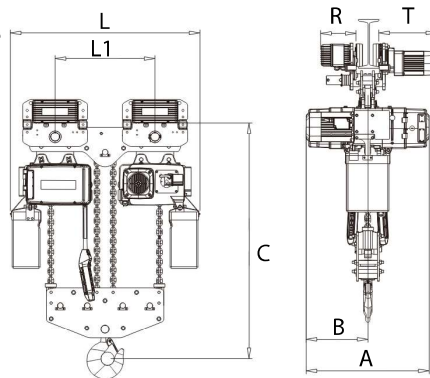
\* Height of lift can be changed upon the usage.

# Electric Chain Hoist BMS Series

## Electric Chain Hoist with Electric Trolley Model BMS-MET (10 ton or more)



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrical protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 4 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz
- Traversing beam width : 150 - 200 mm
- Traversing speed :
  - 1-speed : 18 or 12 m/min. (Standard)
  - 2-speed : 20 / 5 m/min. (Inverter)

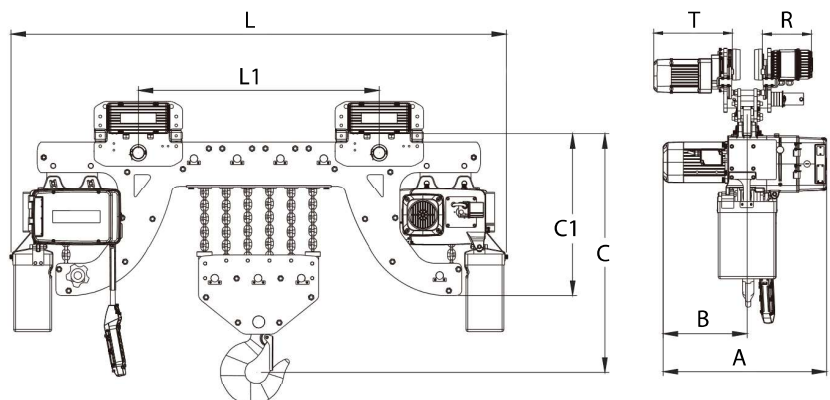
| Model       | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Traversing Motor Output (kW) | Dimension (mm)        |     |     |     |     |     |      |
|-------------|-----------------|-----------------------|---------------------------|------------|--------------|------------------------------|-----------------------|-----|-----|-----|-----|-----|------|
|             |                 |                       |                           | Dia. (mm)  | No. of falls |                              | L                     | L1  | T   | R   | A   | B   | C    |
| BMS10-04MET | 10,000          | 2-Speed : 4 / 1       | 2 x 4.0 / 1.0             | 11.2       | 4            | 2 x 1.1                      | 1185                  | 632 | 356 | 222 | 757 | 378 | 962  |
| BMS16-06MET | 16,000          | 2-Speed : 2.7 / 0.9   | 2 x 4.0 / 1.0             | 11.2       | 6            | 2 x 1.1                      | 1421                  | 868 | 361 | 225 | 757 | 378 | 1024 |
| BMS20-08MET | 20,000          | 2-Speed : 2 / 0.5     | 2 x 4.0 / 1.0             | 11.2       | 8            | 2 x 1.1                      | Request for dimension |     |     |     |     |     |      |

\* Height of lift can be changed upon the usage.

## Low-headroom Type Electric Chain Hoist with Electric Trolley Model BMS-ML (10 ton or more)



### Technical Parameters



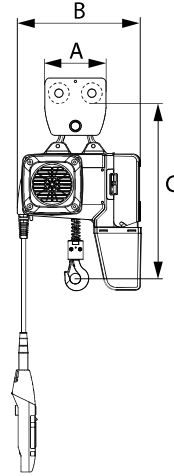
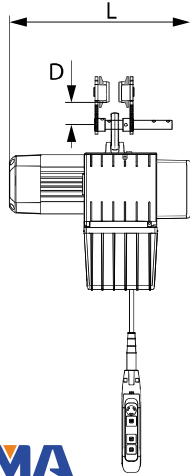
| Model      | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Traversing Motor Output (kW) | Dimension (mm) |      |     |     |     |     |     |     |
|------------|-----------------|-----------------------|---------------------------|------------|--------------|------------------------------|----------------|------|-----|-----|-----|-----|-----|-----|
|            |                 |                       |                           | Dia. (mm)  | No. of falls |                              | L              | L1   | T   | R   | A   | B   | C   | C1  |
| BMS10-04ML | 10,000          | 2-Speed : 4 / 1       | 2 x 4.0 / 1.0             | 11.2       | 4            | 2 x 1.1                      | 2049           | 895  | 356 | 222 | 741 | 381 | 670 | 735 |
| BMS16-06ML | 16,000          | 2-Speed : 2.7 / 0.9   | 2 x 4.0 / 1.0             | 11.2       | 6            | 2 x 1.1                      | 2245           | 1090 | 356 | 225 | 741 | 381 | 805 | 735 |
| BMS20-08ML | 20,000          | 2-Speed : 2 / 0.5     | 2 x 4.0 / 1.0             | 11.2       | 8            | 2 x 1.1                      | 2450           | 1290 | 361 | 226 | 741 | 381 | 836 | 757 |

\* Height of lift can be changed upon the usage.

## Electric Chain Hoist with Manual Trolley - Model BMS-MMT



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Electrectrical protection : Phase protection
- Motor protection : Temp. switch (2 ton or more)
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)  
3P 220VAC 50Hz (Option)  
1P 220VAC 50Hz (Option)
- Traversing beam width :
  - 75 - 175 mm for 500 kg or less.
  - 75 - 200 mm for 1 ton or more.

| Model          | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Dimension (mm)        |     |     |     |    | Net Weight (Lift 3 m) (kg) |
|----------------|-----------------|-----------------------|---------------------------|------------|--------------|-----------------------|-----|-----|-----|----|----------------------------|
|                |                 |                       |                           | Dia. (mm)  | No. of falls | L                     | A   | B   | C   | D  |                            |
| BMS0.125-01MMT | 125             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 455                   | 192 | 288 | 478 | 70 | 31                         |
| BMS0.25-01MMT  | 250             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 455                   | 192 | 288 | 478 | 70 | 31                         |
|                |                 | 2-Speed : 12 / 3      | 0.8 / 0.2                 | 5.0        | 1            | 490                   | 192 | 320 | 490 | 70 | 38                         |
|                |                 | 2-Speed : 16 / 4      | 1.8 / 0.45                | 7.1        | 1            | 564                   | 293 | 343 | 579 | 78 | 71                         |
| BMS0.5-02MMT   | 500             | 2-Speed : 4 / 1       | 0.4 / 0.1                 | 5.0        | 2            | 455                   | 192 | 288 | 561 | 70 | 42                         |
| BMS0.5-01MMT   | 500             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            | 490                   | 192 | 320 | 490 | 70 | 38                         |
|                |                 | 2-Speed : 12 / 3      | 1.8 / 0.45                | 7.1        | 1            | 564                   | 293 | 343 | 579 | 78 | 71                         |
|                |                 | 2-Speed : 16 / 4      | 2.3 / 0.6                 | 7.1        | 1            | 641                   | 293 | 343 | 579 | 78 | 83                         |
|                |                 | 1-Speed : 8 (INV.)    | 0.8                       | 5.0        | 1            | 490                   | 192 | 320 | 490 | 70 | 38                         |
| BMS01-02MMT    | 1,000           | 2-Speed : 4 / 1       | 0.8 / 0.2                 | 5.0        | 2            | 490                   | 192 | 320 | 573 | 70 | 50                         |
| BMS01-01MMT    | 1,000           | 2-Speed : 8 / 2       | 1.8 / 0.45                | 7.1        | 1            | 564                   | 293 | 343 | 579 | 78 | 71                         |
|                |                 | 2-Speed : 12 / 3      | 2.3 / 0.6                 | 7.1        | 1            | 564                   | 293 | 343 | 579 | 78 | 83                         |
|                |                 | 1-Speed : 8 (INV.)    | 1.8                       | 7.1        | 1            | 564                   | 293 | 343 | 579 | 78 | 71                         |
| BMS02-02MMT    | 2,000           | 2-Speed : 4 / 1       | 1.8 / 0.45                | 7.1        | 2            | 564                   | 330 | 343 | 685 | 74 | 88                         |
| BMS02-01MMT    | 2,000           | 2-Speed : 8 / 2       | 3.6 / 0.9                 | 10.0       | 1            | 741                   | 330 | 503 | 668 | 74 | 149                        |
|                |                 | 1-Speed : 8 (INV.)    | 3.6                       | 10.0       | 1            | 741                   | 330 | 503 | 668 | 74 | 149                        |
| BMS03-02MMT    | 3,000           | 2-Speed : 4 / 1       | 3.6 / 0.9                 | 10.0       | 2            | 741                   | 340 | 503 | 793 | 71 | 172                        |
| BMS03-02MMT    | 3,000           | 2-Speed : 6.4 / 1.6   | 4.0 / 1.0                 | 11.2       | 1            | 741                   | 340 | 503 | 720 | 71 | 176                        |
| BMS05-02MMT    | 5,000           | 2-Speed : 4 / 1       | 4.0 / 1.0                 | 11.2       | 2            | 741                   | 400 | 503 | 812 | 86 | 205                        |
| BMS08-03MMT    | 8,000           | 2-Speed : 2.7 / 0.9   | 4.0 / 1.0                 | 11.2       | 3            | Request for dimension |     |     |     |    |                            |

\* Height of lift can be changed upon the usage.

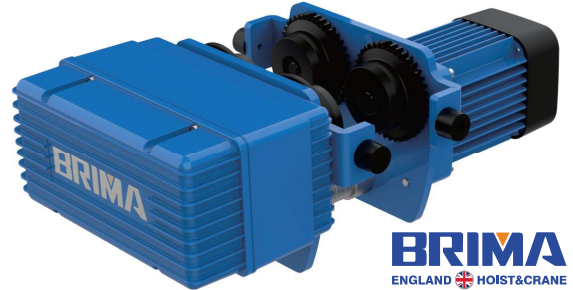
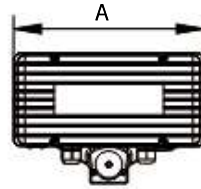
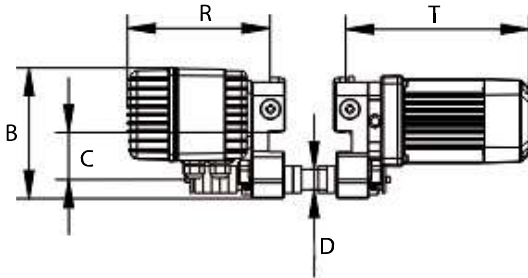
\* For other lifting speed, Please contact our sale department.

# Electric & Manual Trolley BMS Series



## Electric Chain Hoist with Motorized Trolley - Model ET

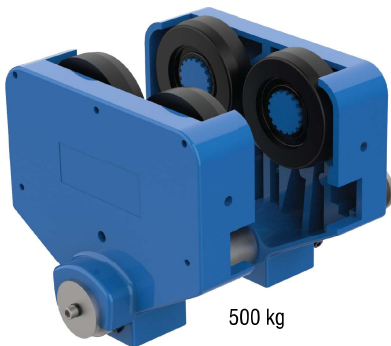
### Technical Parameters



| Model  | Rated Load (kg) | Traversing Speed (m/min) |                 | Motor Output (kW) | Dimension (mm) |     |    |    |     |     | Beam Width (mm) | Net Weight (kg) |
|--------|-----------------|--------------------------|-----------------|-------------------|----------------|-----|----|----|-----|-----|-----------------|-----------------|
|        |                 | Single                   | Dual (Inverter) |                   | A              | B   | C  | D  | T   | R   |                 |                 |
| ET-0.5 | 500             | Fast : 18<br>Slow : 12   | 20 / 5          | 0.4               | 282            | 193 | 70 | 30 | 271 | 211 | 75 - 175        | 17              |
| ET-01  | 1,000           | Fast : 18<br>Slow : 12   | 20 / 5          | 0.4               | 293            | 201 | 78 | 31 | 282 | 206 | 75 - 200        | 28              |
| ET-02  | 2,000           | Fast : 18<br>Slow : 12   | 20 / 5          | 0.55              | 330            | 217 | 74 | 36 | 284 | 207 | 75 - 200        | 35              |
| ET-03  | 3,000           | Fast : 18<br>Slow : 12   | 20 / 5          | 1.1               | 340            | 250 | 71 | 43 | 350 | 239 | 75 - 200        | 55              |
| ET-05  | 5,000           | Fast : 18<br>Slow : 12   | 20 / 5          | 1.1               | 400            | 291 | 86 | 54 | 356 | 222 | 75 - 200        | 76              |

## Manual Trolley - Model MT

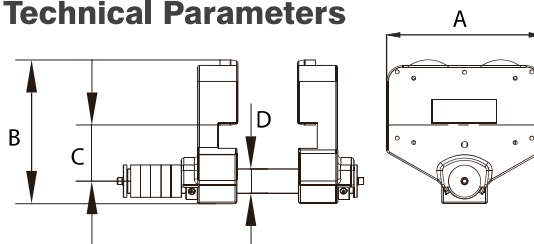
### Technical Parameters



500 kg



1,000 - 5,000 kg

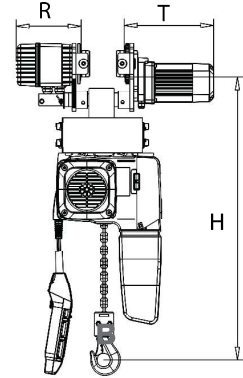
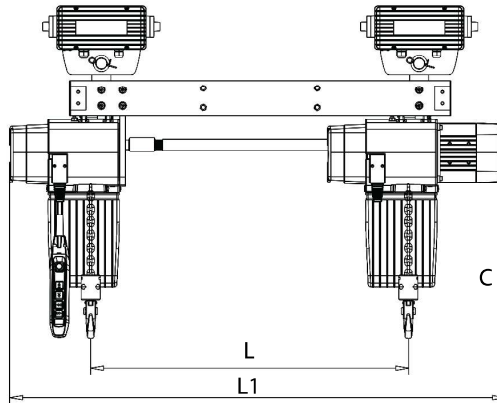


| Model  | Rated Load (kg) | Dimension (mm) |     |    |    | Beam Width (mm) | Net Weight (kg) |
|--------|-----------------|----------------|-----|----|----|-----------------|-----------------|
|        |                 | A              | B   | C  | D  |                 |                 |
| MT-0.5 | 500             | 192            | 193 | 70 | 30 | 75 - 175        | 7               |
| MT-01  | 1,000           | 293            | 201 | 78 | 31 | 75 - 200        | 15              |
| MT-02  | 2,000           | 330            | 217 | 74 | 36 | 75 - 200        | 23              |
| MT-03  | 3,000           | 340            | 250 | 71 | 43 | 75 - 200        | 32              |
| MT-05  | 5,000           | 400            | 291 | 86 | 54 | 75 - 200        | 55              |

## Double Hook Type Electric Chain Hoist with Electric Trolley Model BMS-MD



### Technical Parameters



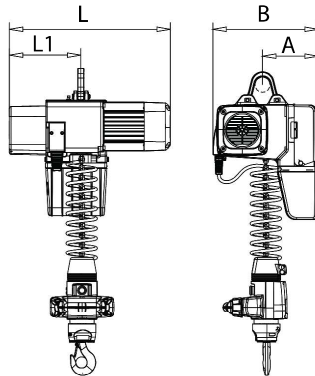
| Model         | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Traversing Motor Output (kW) | Dimension (mm) |       |     |     |     |
|---------------|-----------------|-----------------------|---------------------------|------------|--------------|------------------------------|----------------|-------|-----|-----|-----|
|               |                 |                       |                           | Dia. (mm)  | No. of falls |                              | L              | L1    | T   | R   | H   |
| BMS0.125-01MD | 125+125         | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            | 0.4                          | Upon Request   | L+490 | 271 | 211 | 570 |
| BMS0.25-01MD  | 250+250         | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            |                              |                | L+490 | 271 | 211 | 570 |
| BMS0.5-02MD   | 500+500         | 2-Speed : 4 / 1       | 0.8 / 0.2                 | 5.0        | 2            |                              |                | L+490 | 271 | 211 | 653 |
| BMS0.5-01MD   | 500+500         | 2-Speed : 8 / 2       | 1.8 / 0.45                | 7.1        | 1            |                              |                | L+565 | 282 | 206 | 671 |
| BMS01-02MD    | 1,000+1,000     | 2-Speed : 4 / 1       | 1.8 / 0.45                | 7.1        | 2            | 0.55                         |                | L+565 | 284 | 207 | 770 |

\* Height of lift can be changed upon the usage

## Hand Control Type Electric Chain Hoist with Electric Trolley Model BMS-MH



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Duty classification : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Slipping clutch
- Limit switch : Up and Down directions
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : 2 points with emergency
- Control voltage : 24VAC
- Power voltage : 3P 380VAC 50Hz (Standard)  
3P 220VAC 50Hz (Option)  
1P 220VAC 50Hz (Option)

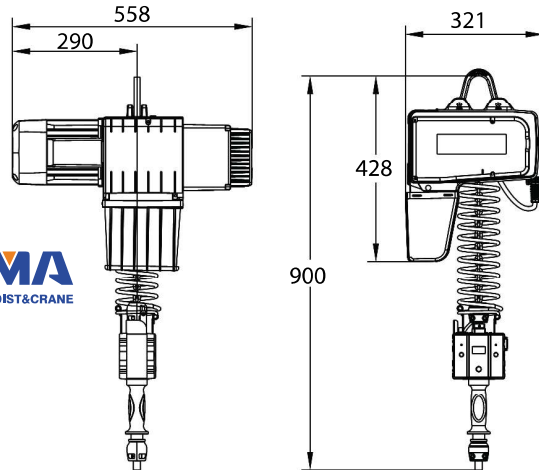
| Model         | Rated Load (kg) | Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              | Dimension (mm) |     |     |     |
|---------------|-----------------|-----------------------|---------------------------|------------|--------------|----------------|-----|-----|-----|
|               |                 |                       |                           | Dia. (mm)  | No. of falls | L              | L1  | A   | B   |
| BMS0.125-01MH | 125             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 511            | 265 | 159 | 288 |
|               |                 | 2-Speed : 16 / 4      | 0.8 / 0.2                 | 5.0        | 1            | 541            | 271 | 170 | 320 |
| BMS0.25-01MH  | 250             | 2-Speed : 8 / 2       | 0.4 / 0.1                 | 5.0        | 1            | 511            | 265 | 159 | 288 |
|               |                 | 2-Speed : 12 / 3      | 0.8 / 0.2                 | 5.0        | 1            | 541            | 271 | 170 | 320 |
| BMS0.5-01MH   | 500             | 2-Speed : 8 / 2       | 0.8 / 0.2                 | 5.0        | 1            | 541            | 271 | 170 | 320 |

# Electric Chain Hoist BMS & BMA Series

## Electric Chain Hoist with Balance Function - Model BMS-ZNL



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty classification :
  - 80 kg - 250 kg : FEM 4M / ISO M7
  - 500 kg : FEM 2M / ISO M5
- Brake type : DC electromagnetic brake
- Overload protection : Load cell Type
- Limit switch : Software and Hardware
- Lubrication : Oil bath
- Hoist protection grade : IP55
- Pendant control : Hand grip with emergency
- Power voltage : 1P 220VAC 50Hz

### Main Features

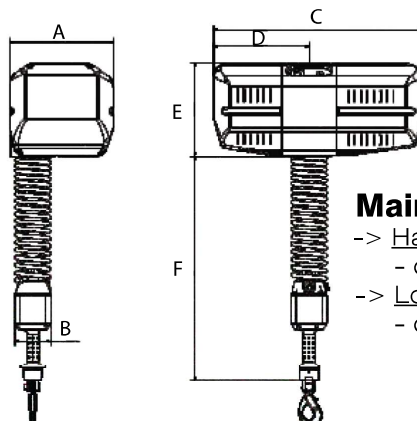
- > Handle control mode
  - controlled by sliding hand grip (Up/Down)
- > Load positioning control mode
  - controlled by holding the load by hand and applying light force to hoisting or lowering inhibit load swing and uncontrolled movement, so the operation has a high safety and precision.

| Model      | Rated Load (kg) | Maximum Lifting Speed (m/min) | Lifting Motor Output (kW) | Load Chain |              |
|------------|-----------------|-------------------------------|---------------------------|------------|--------------|
|            |                 |                               |                           | Dia. (mm)  | No. of falls |
| BMS-ZNL80  | 80              | 20                            | 1.1                       | 5.0        | 1            |
| BMS-ZNL125 | 125             | 20                            |                           |            |              |
| BMS-ZNL250 | 250             | 16                            |                           |            |              |
| BMS-ZNL500 | 500             | 8                             |                           |            |              |

## Electric Wire Rope Hoist with Balance Function - Model BMA



### Technical Parameters



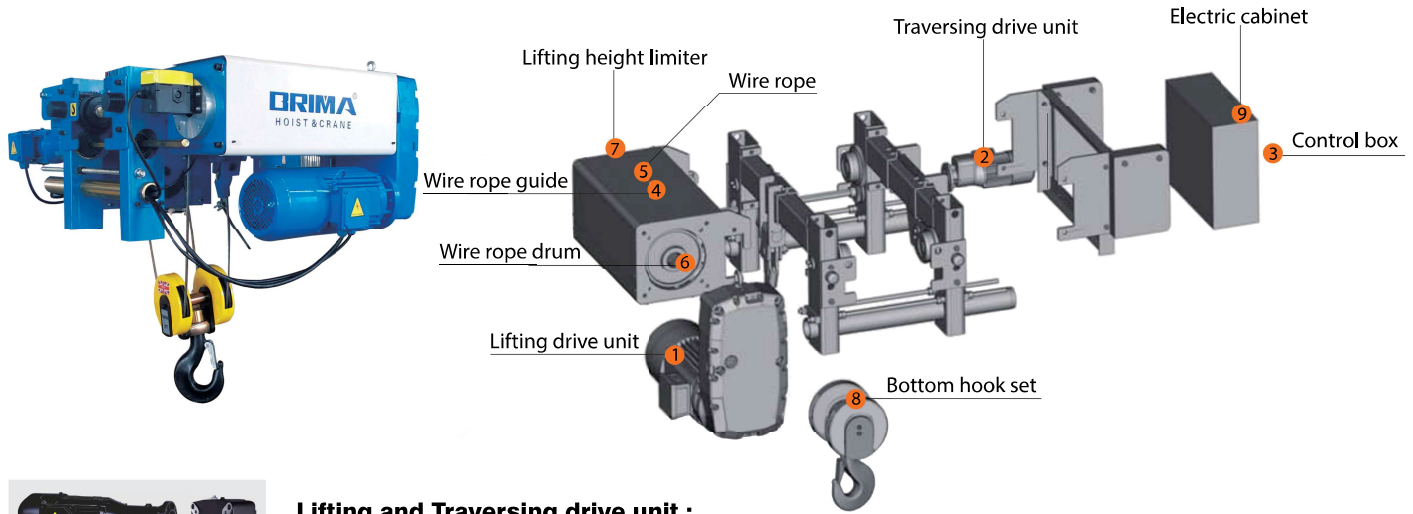
### Main Characteristics

- Pendant control : 2 points with emergency
- Overload protection : Load cell Type
- Limit switch : Software and Hardware
- Pendant control : Hand grip with emergency
- Power voltage : 1P 220VAC 50Hz

### Main Features

- > Handle control mode
  - controlled by sliding hand grip (Up/Down)
- > Load positioning control mode
  - controlled by holding the load by hand and applying light force to hoisting or lowering inhibit load swing and uncontrolled movement, so the operation has a high safety and precision.

| Model  | Rated Load (kg) | Max. Lifting Speed (m/min) |                  | Max. Lifting Stroke (m) | Lifting Motor Output (kW) | Wire Rope Dia. (mm) | Dimension (mm) |     |     |     |     |       |
|--------|-----------------|----------------------------|------------------|-------------------------|---------------------------|---------------------|----------------|-----|-----|-----|-----|-------|
|        |                 | Handle                     | Load positioning |                         |                           |                     | A              | B   | C   | D   | E   | F     |
| BMA100 | 100             | 40                         | 36               | 3.5                     | 0.75                      | 5.0                 | 323            | 112 | 649 | 297 | 291 | 610   |
| BMA200 | 200             | 30                         | 27               | 3.5                     | 1.5                       |                     |                |     |     |     |     |       |
| BMA300 | 300             | 15                         | 13.5             | 3.5                     | 2.0                       |                     |                |     |     |     |     |       |
| BMA600 | 600             | 7.5                        | 6.75             | 1.7                     | 2.0                       | 6.5                 |                |     |     |     |     | 1,085 |



#### Lifting and Traversing drive unit :

The BMG's motor with reduction gear box has high-performance and compact structure. But it consumes low energy, and has low noise. The duty factor is up to 60% (40/20). Due to asbestos-free brake, service life can be up to 1 million times. High protection grade of brake can meet the requirements of severe environment.



#### Wire rope guide :

The guide is light weight and wear resistance designed, to reduce the wear of wire rope. The guide prevents wire rope from skipping and losing to off-groove.



#### Wire rope :

The BMG hoist use high performance wire rope, tensile strength up to 2,160 MPa. The surface is galvanized for corrosion prevention effectively. Also, the high flexibility structure of wire rope ensures wear resistance and prolongs its service life.



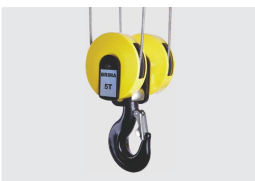
#### Wire rope drum :

The drum is produced with Q345 seamless steel tube and a number of working procedure to ensure concentricity of drum. The depth of groove is in compliance with FEM standard. High-strength pressing plates and bolts are fastened on the end of wire rope for safety.



#### Lifting height limiter :

The limiter can be wide range adjusted with high precision. Multiple-contact configurations can effectively achieve the function of transition (lifting and lowering with 2-speed).



#### Bottom hook set :

The bottom hook is forged by the high-strength material of T grade. The hook with safety latch and wire rope sheath ergonomic design is in compliance with DIN standard.



#### Electric control box :

All of the electrical components is high quality and reliable. Multiple safety protection devices are added to ensure more safety. The design with clear identification makes it easy to troubleshoot. Good sealing housing protects the control circuit from dust and water - IP55.

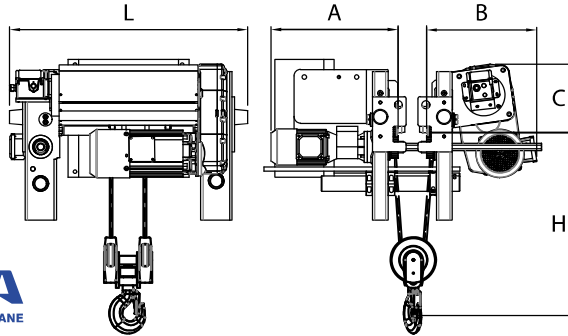
# Electric Wire Rope Hoist BMG Series



## Single Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-S



### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC brake
- Overload protection : Load cell
- Limit switch : Up-Down direction
- Elec. protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 6 points+Emer
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Std.), 4/2 (Option)
- Protection Grade : IP 55 / IP 54

| Model     | Rated Load (ton) | Speed (m/min)                                                      | Motor Output (kW)                                              | Duty Class.          | Wire Rope                   | Lifting Height (m) | Dimension (mm) |       |     |     |     | Beam Width (mm) |
|-----------|------------------|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------|-----------------------------|--------------------|----------------|-------|-----|-----|-----|-----------------|
|           |                  |                                                                    |                                                                |                      |                             |                    | L              | H     | A   | B   | C   |                 |
| BMG-3.2S  | 3.2              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>3.2 / 0.45<br><br>Traversing<br>0.64 (Inverter)     | FEM : 2M<br>ISO : M5 | Dia. 6.0 mm<br>Reeving 4/1  | 6.0                | 913            | 696   | 540 | 450 | 188 | 150 - 300       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,063          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,263          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,463          |       |     |     |     |                 |
| BMG-5.0S  | 5.0              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>6.1 / 1.0<br><br>Traversing<br>0.64 (Inverter)      | FEM : 2M<br>ISO : M5 | Dia. 8.0 mm<br>Reeving 4/1  | 6.0                | 905            | 696   | 510 | 480 | 180 | 200 - 350       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,055          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,255          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,455          |       |     |     |     |                 |
| BMG-8.0S  | 8.0              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>9.5 / 1.5<br><br>Traversing<br>0.96 (Inverter)      | FEM : 2M<br>ISO : M5 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,065          | 750   | 580 | 610 | 325 | 200 - 410       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,215          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,415          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,615          |       |     |     |     |                 |
| BMG-10.0S | 10.0             | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>9.5 / 1.5<br><br>Traversing<br>0.96 (Inverter)      | FEM : 2M<br>ISO : M5 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,065          | 750   | 580 | 610 | 325 | 200 - 410       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,215          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,415          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,615          |       |     |     |     |                 |
| BMG-12.5S | 12.5             | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>12.5 / 2.0<br><br>Traversing<br>0.96 (Inverter)     | FEM : 1M<br>ISO : M4 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,065          | 750   | 580 | 610 | 325 | 200 - 410       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,215          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,415          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,615          |       |     |     |     |                 |
| BMG-15.0S | 15.0             | Lifting<br>2-Speed : 4 / 0.6<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>20.0 / 5.0<br><br>Traversing<br>2 x 0.96 (Inverter) | FEM : 2M<br>ISO : M5 | Dia. 15.0 mm<br>Reeving 4/1 | 6.0                | 913            | 1,150 | 610 | 610 | 360 | 200 - 410       |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,063          |       |     |     |     |                 |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,263          |       |     |     |     |                 |

\* Height of lift can be changed upon the usage.

\* For other lifting speed, Please contact our sale department.

## Double Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-D



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC brake
- Overload protection : Load cell
- Limit switch : Up-Down direction
- Elec. protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 6 points+Emer
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Std.), 4/2 (Option)
- Protection Grade : IP 55 / IP 54

| Model     | Rated Load (ton) | Speed (m/min)                                                      | Motor Output (kW)                                              | Duty Class.          | Wire Rope                   | Lifting Height (m) | Standard Rail Gauge L (mm) | Dimension (mm) |     |     |     |    |
|-----------|------------------|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------|-----------------------------|--------------------|----------------------------|----------------|-----|-----|-----|----|
|           |                  |                                                                    |                                                                |                      |                             |                    |                            | H              | A   | B   | C   | W  |
| BMG-3.2D  | 3.2              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>3.2 / 0.45<br><br>Traversing<br>2 x 0.64 (Inverter) | FEM : 2M<br>ISO : M5 | Dia. 6.0 mm<br>Reeving 4/1  | 6.0                | 1,200                      | 450            | 600 | 720 | 500 | 60 |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,200                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,400                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,400                      |                |     |     |     |    |
| BMG-5.0D  | 5.0              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>6.1 / 1.0<br><br>Traversing<br>2 x 0.64 (Inverter)  | FEM : 2M<br>ISO : M5 | Dia. 8.0 mm<br>Reeving 4/1  | 6.0                | 1,200                      | 490            | 600 | 720 | 500 | 60 |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,200                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,400                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,400                      |                |     |     |     |    |
| BMG-8.0D  | 8.0              | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>9.5 / 1.5<br><br>Traversing<br>2 x 0.96 (Inverter)  | FEM : 2M<br>ISO : M5 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,200                      | 600            | 600 | 730 | 570 | 60 |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,400                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,700                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,700                      |                |     |     |     |    |
| BMG-10.0D | 10.0             | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>9.5 / 1.5<br><br>Traversing<br>2 x 0.96 (Inverter)  | FEM : 2M<br>ISO : M5 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,200                      | 600            | 600 | 730 | 570 | 60 |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,400                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,700                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,700                      |                |     |     |     |    |
| BMG-12.5D | 12.5             | Lifting<br>2-Speed : 5 / 0.8<br><br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>12.5 / 2.0<br><br>Traversing<br>2 x 0.96 (Inverter) | FEM : 1M<br>ISO : M4 | Dia. 11.0 mm<br>Reeving 4/1 | 6.0                | 1,200                      | 600            | 600 | 730 | 570 | 60 |
|           |                  |                                                                    |                                                                |                      |                             | 9.0                | 1,400                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 12.0               | 1,700                      |                |     |     |     |    |
|           |                  |                                                                    |                                                                |                      |                             | 15.0               | 1,700                      |                |     |     |     |    |

\* Height of lift can be changed upon the usage.

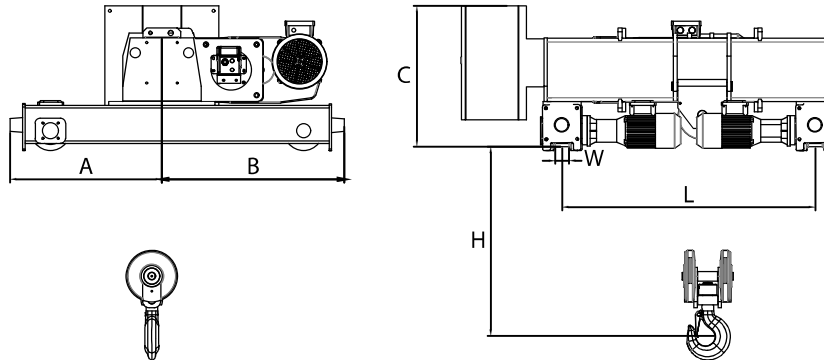
\* For other lifting speed, Please contact our sale department.

# Electric Wire Rope Hoist BMG Series



## Double Girder Type Electric Wire Rope Hoist with Electric Trolley Model BMG-D

### Technical Parameters



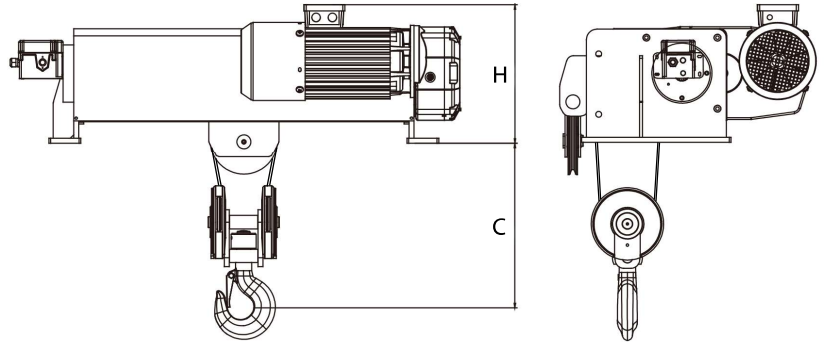
| Model     | Rated Load (ton) | Speed (m/min)                                                    | Motor Output (kW)                                              | Duty Class.          | Wire Rope                    | Lifting Height (m) | Standard Rail Gauge L (mm) | Dimension (mm) |       |       |       |    |
|-----------|------------------|------------------------------------------------------------------|----------------------------------------------------------------|----------------------|------------------------------|--------------------|----------------------------|----------------|-------|-------|-------|----|
|           |                  |                                                                  |                                                                |                      |                              |                    |                            | H              | A     | B     | C     | W  |
| BMG-16.0D | 16.0             | Lifting<br>2-Speed : 4 / 0.6<br>Traversing<br>2-Speed : 20 / 5   | Lifting<br>20.0 / 4.0<br>Traversing<br>2 x 0.96 (Inverter)     | FEM : 2M<br>ISO : M5 | Dia. 15.0 mm<br>Reeving 4/1  | 6.0                | 1,400                      | 890            | 875   | 785   | 770   | 70 |
|           |                  |                                                                  |                                                                |                      |                              | 9.0                | 1,400                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 12.0               | 1,700                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 15.0               | 2,000                      |                |       |       |       |    |
| BMG-20.0D | 20.0             | Lifting<br>2-Speed : 4 / 0.6<br>Traversing<br>2-Speed : 20 / 5   | Lifting<br>20.0 / 4.0<br>Traversing<br>2 x 0.96(Inverter)      | FEM : 1M<br>ISO : M4 | Dia. 15.0 mm<br>Reeving 4/1  | 6.0                | 1,400                      | 890            | 875   | 785   | 770   | 70 |
|           |                  |                                                                  |                                                                |                      |                              | 9.0                | 1,400                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 12.0               | 1,700                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 15.0               | 2,000                      |                |       |       |       |    |
| BMG-32.0D | 32.0             | Lifting<br>2-Speed : 3.3 / 0.8<br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>20.0 / 5.0<br>Traversing<br>2 x 1.3 (Inverter)      | FEM : 2M<br>ISO : M5 | Dia. 11.0 mm<br>Reeving 12/2 | 6.0                | 1,700                      | 900            | 825   | 1,030 | 1,000 | 80 |
|           |                  |                                                                  |                                                                |                      |                              | 9.0                | 2,000                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 12.0               | 2,400                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 15.0               | 2,800                      |                |       |       |       |    |
| BMG-40.0D | 40.0             | Lifting<br>2-Speed : 4.9 / 0.8<br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>38.0 (Inverter)<br>Traversing<br>2 x 1.9 (Inverter) | FEM : 1M<br>ISO : M4 | Dia. 15.0 mm<br>Reeving 8/2  | 6.0                | 2,000                      | 1,000          | 1,055 | 1,055 | 1,100 | 90 |
|           |                  |                                                                  |                                                                |                      |                              | 9.0                | 2,200                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 12.0               | 2,500                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 15.0               | 2,800                      |                |       |       |       |    |
| BMG-50.0D | 50.0             | Lifting<br>2-Speed : 3.2 / 0.8<br>Traversing<br>2-Speed : 20 / 5 | Lifting<br>38.0 (Inverter)<br>Traversing<br>2 x 1.9 (Inverter) | FEM : 2M<br>ISO : M5 | Dia. 15.0 mm<br>Reeving 12/2 | 6.0                | 2,200                      | 1,060          | 1,085 | 1,085 | 1,100 | 90 |
|           |                  |                                                                  |                                                                |                      |                              | 9.0                | 2,700                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 12.0               | 3,100                      |                |       |       |       |    |
|           |                  |                                                                  |                                                                |                      |                              | 15.0               | 3,600                      |                |       |       |       |    |

\* Height of lift can be changed upon the usage.

\* For other lifting speed, Please contact our sale department.

## Electric Wire Rope Hoist - Model BMG-F

### Technical Parameters



### Main Characteristics

- Motor insulation : Class F
- Duty factor : 60%ED (40/20)
- Brake type : DC electromagnetic brake
- Overload protection : Load cell Type
- Limit switch : Up and Down directions
- Electrectrical protection : Phase protection
- Motor protection : Temp. switch
- Lubrication : Oil bath
- Pendant control : 2 points with emergency
- Control voltage : 48VAC
- Power voltage : 3P 380VAC 50Hz
- Reeving : 4/1 (Standard)  
4/2 (Option) - T.V.L. (True Vertical Lift)

| Model    | Rated Load (ton) | Lifting Height (m)       | Speed (m/min)             | Motor Output (kW) | Wire Rope                               | Duty Class.      | Dimension (mm) |     |
|----------|------------------|--------------------------|---------------------------|-------------------|-----------------------------------------|------------------|----------------|-----|
|          |                  |                          |                           |                   |                                         |                  | H              | C   |
| BMG-3.2F | 3.2              | 6.0 / 9.0<br>12.0 / 15.0 | 2-Speed : 5.0 / 0.8       | 3.2/ 0.45         | Dia. 6.0 mm<br>Reeving 4/1              | FEM 2M<br>ISO M5 | 380            | 620 |
|          |                  |                          | 1-Speed : 5.0 (Inverter)  | 3.2 (Inverter)    |                                         |                  |                |     |
|          |                  |                          | 2-Speed : 10.0 / 1.6      | 6.1 / 1.0         | Dia. 8.0 mm<br>Reeving 4/2<br>(T.V.L.)  |                  | 400            | 650 |
|          |                  |                          | 1-Speed : 10.0 (Inverter) | 6.1 (Inverter)    |                                         |                  |                |     |
| BMG-5.0F | 5.0              | 6.0 / 9.0<br>12.0 / 15.0 | 2-Speed : 5.0 / 0.8       | 6.1 / 1.0         | Dia. 8.0 mm<br>Reeving 4/1              | FEM 2M<br>ISO M5 | 400            | 650 |
|          |                  |                          | 1-Speed : 5.0 (Inverter)  | 6.1 (Inverter)    |                                         |                  |                |     |
|          |                  |                          | 2-Speed : 10.0 / 1.6      | 9.5 / 1.5         | Dia. 11.0 mm<br>Reeving 4/2<br>(T.V.L.) |                  | 510            | 780 |
|          |                  |                          | 1-Speed : 10.0 (Inverter) | 9.5 (Inverter)    |                                         |                  |                |     |

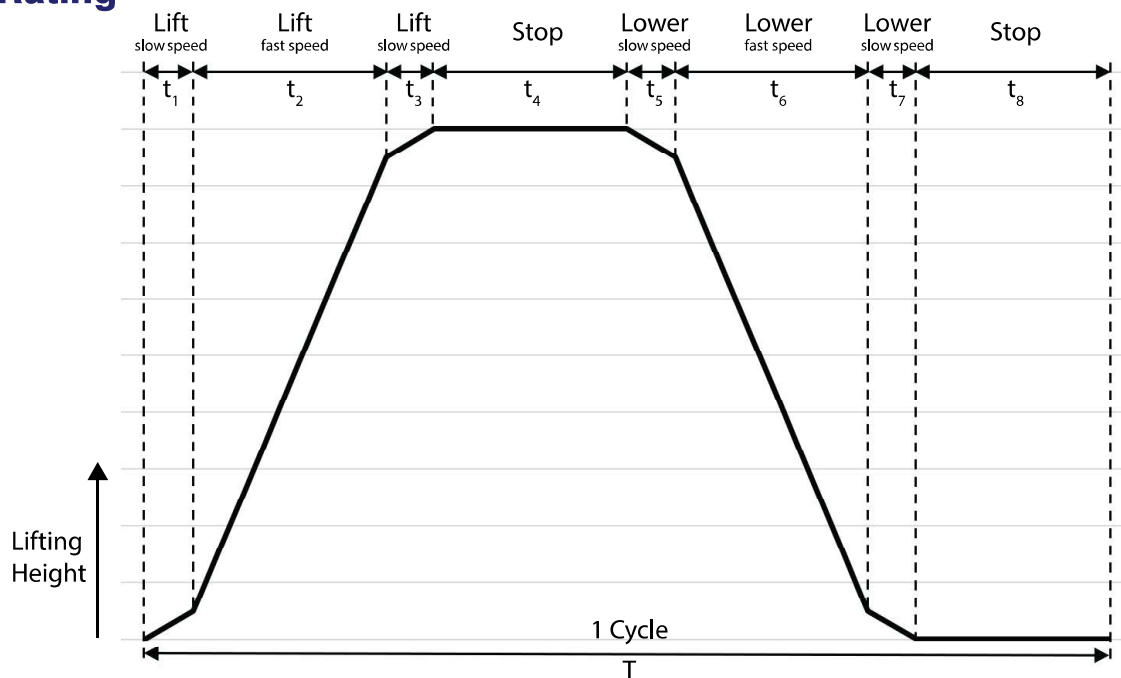
\* Height of lift can be changed upon the usage.

\* For other lifting speed, Please contact our sale department.

## FEM (9.511) Rating

| Load Condition | Average Load ratio   | Calculated total operating time (hours) |      |       |       |       |        |        |
|----------------|----------------------|-----------------------------------------|------|-------|-------|-------|--------|--------|
|                |                      | 400                                     | 800  | 1,600 | 3,200 | 6,300 | 12,500 | 25,000 |
|                |                      | Average operating time per day (hours)  |      |       |       |       |        |        |
|                |                      | ≤0.25                                   | ≤0.5 | ≤1.0  | ≤2.0  | ≤4.0  | ≤8.0   | ≤16.0  |
| L1 : Light     | $K \leq 0.50$        | -                                       | 1 Dm | 1 Cm  | 1 Bm  | 1 Am  | 2 m    | 3 m    |
| L2 : Medium    | $0.50 < K \leq 0.63$ | 1 Dm                                    | 1 Cm | 1 Bm  | 1 Am  | 2 m   | 3 m    | 4 m    |
| L3 : Heavy     | $0.63 < K \leq 0.80$ | 1 Cm                                    | 1 Bm | 1 Am  | 2 m   | 3 m   | 4 m    | 5 m    |
| L4 : Severe    | $0.80 < K \leq 1.00$ | 1 Bm                                    | 1 Am | 2 m   | 3 m   | 4 m   | 5 m    | -      |

## %ED Rating



$$\%ED = \frac{(\text{Motor ON time})}{(1 \text{ Cycle})}$$

$$\%ED (1^{\text{st}} \text{ speed}) = (t_1 + t_3 + t_5 + t_7) / T$$

$$\%ED (2^{\text{nd}} \text{ speed}) = (t_2 + t_6) / T$$

$$\%ED = (t_1 + t_2 + t_3 + t_5 + t_6 + t_7) / T$$

$$\text{OFF time / Rest time} = t_4 + t_8$$

Example : 1Cycle = 1 hour, 60%ED (40/20)

Slow speed ON time = 12 minutes

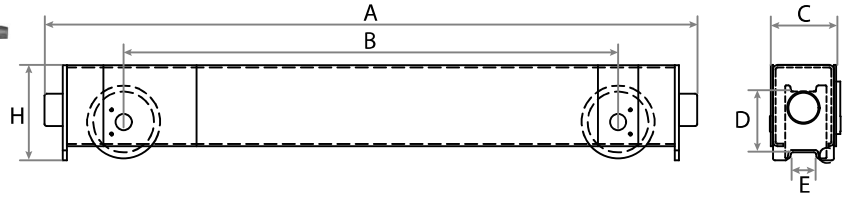
Fast speed ON time = 24 minutes

Both speed ON time = 36 minutes

OFF time / Rest time = 24 minutes

## Top-running Motorized End Carriages - Model ET

### Technical Parameters

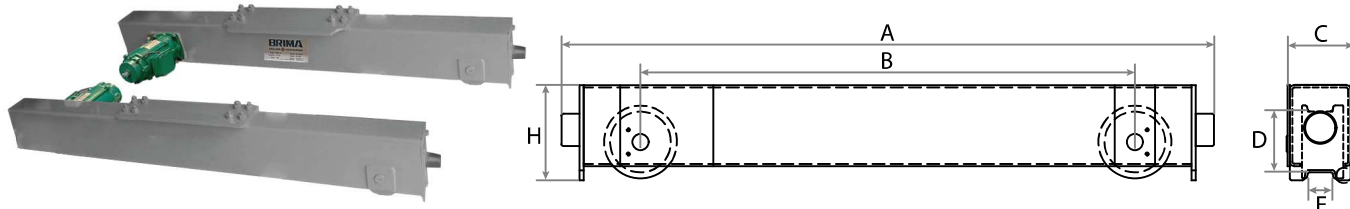


| Rated Load<br>(ton) | Max. Span<br>(m) | Model        | Speed<br>(m/min) | Motor Output<br>(kW) | Dimension (mm) |       |     |     |     |     | Net Weight<br>[per set]<br>(kg) |
|---------------------|------------------|--------------|------------------|----------------------|----------------|-------|-----|-----|-----|-----|---------------------------------|
|                     |                  |              |                  |                      | A              | B     | C   | D   | E   | H   |                                 |
| 1.0 - 2.0           | 8.0              | ET12-12-2.0  | 20.0             | 2 x 0.37             | 1,566          | 1,200 | 150 | 120 | 60  | 165 | 250                             |
|                     | 12.0             | ET12-17-2.0  |                  |                      | 2,066          | 1,700 |     |     |     |     | 286                             |
|                     | 16.0             | ET12-22-2.0  |                  |                      | 2,566          | 2,200 |     |     |     |     | 322                             |
|                     | 19.0             | ET12-27-2.0  |                  |                      | 3,066          | 2,700 |     |     |     |     | 364                             |
|                     | 23.0             | ET15-32-2.0  |                  |                      | 3,620          | 3,200 |     |     |     |     | 218                             |
|                     | 26.0             | ET15-35-2.0  |                  | 2 x 0.4              | 3,920          | 3,500 | 150 | 70  | 268 | 566 |                                 |
| 3.0                 | 8.0              | ET12-12-3.0  | 20.0             | 2 x 0.37             | 1,566          | 1,200 | 150 | 120 | 60  | 165 | 250                             |
|                     | 12.0             | ET12-17-3.0  |                  |                      | 2,066          | 1,700 |     |     |     |     | 286                             |
|                     | 16.0             | ET12-22-3.0  |                  |                      | 2,566          | 2,200 |     |     |     |     | 322                             |
|                     | 19.0             | ET15-27-3.0  |                  | 2 x 0.4              | 3,120          | 2,700 |     | 150 | 70  | 218 | 432                             |
|                     | 23.0             | ET15-32-3.0  |                  |                      | 3,620          | 3,200 |     |     |     | 268 | 537                             |
|                     | 26.0             | ET15-35-3.0  |                  |                      | 3,920          | 3,500 |     |     |     | 318 | 596                             |
| 5.0                 | 8.0              | ET15-12-5.0  | 20.0             | 2 x 0.4              | 1,620          | 1,200 | 150 | 150 | 70  | 218 | 306                             |
|                     | 12.0             | ET15-17-5.0  |                  |                      | 2,120          | 1,700 |     |     |     | 348 |                                 |
|                     | 16.0             | ET15-22-5.0  |                  |                      | 2,620          | 2,200 |     |     |     | 268 | 434                             |
|                     | 19.0             | ET20-27-5.0  |                  | 2 x 0.75             | 3,180          | 2,700 |     | 200 | 70  | 320 | 578                             |
|                     | 23.0             | ET20-32-5.0  |                  |                      | 3,680          | 3,200 |     |     |     |     | 633                             |
|                     | 26.0             | ET20-35-5.0  |                  |                      | 3,980          | 3,500 |     |     |     |     | 200                             |
| 7.5                 | 8.0              | ET20-12-7.5  | 20.0             | 2 x 0.75             | 1,680          | 1,200 | 150 | 200 | 70  | 270 | 399                             |
|                     | 12.0             | ET20-17-7.5  |                  |                      | 2,180          | 1,700 |     |     |     | 320 | 476                             |
|                     | 16.0             | ET20-22-7.5  |                  |                      | 2,680          | 2,200 |     |     |     | 200 | 250                             |
|                     | 19.0             | ET25-27-7.5  |                  |                      | 3,280          | 2,700 | 861 |     |     |     |                                 |
|                     | 23.0             | ET25-32-7.5  |                  |                      | 3,780          | 3,200 | 925 |     |     |     |                                 |
|                     | 26.0             | ET25-35-7.5  |                  |                      | 4,080          | 3,500 |     |     |     |     |                                 |
| 10.0                | 8.0              | ET25-12-10.0 | 20.0             | 2 x 0.75             | 1,780          | 1,200 | 200 | 250 | 80  | 325 | 552                             |
|                     | 12.0             | ET25-17-10.0 |                  |                      | 2,280          | 1,700 |     |     |     |     | 628                             |
|                     | 16.0             | ET25-22-10.0 |                  |                      | 2,780          | 2,200 |     |     |     |     | 704                             |
|                     | 19.0             | ET25-27-10.0 |                  |                      | 3,280          | 2,700 |     |     |     |     | 780                             |
|                     | 23.0             | ET25-32-10.0 |                  |                      | 3,780          | 3,200 |     |     |     |     | 980                             |
|                     | 26.0             | ET25-35-10.0 |                  | 2 x 1.1              | 4,080          | 3,500 |     |     |     | 425 | 1,080                           |

# End Carriages Top-running Series

## Top-running Motorized End Carriages - Model ET

### Technical Parameters

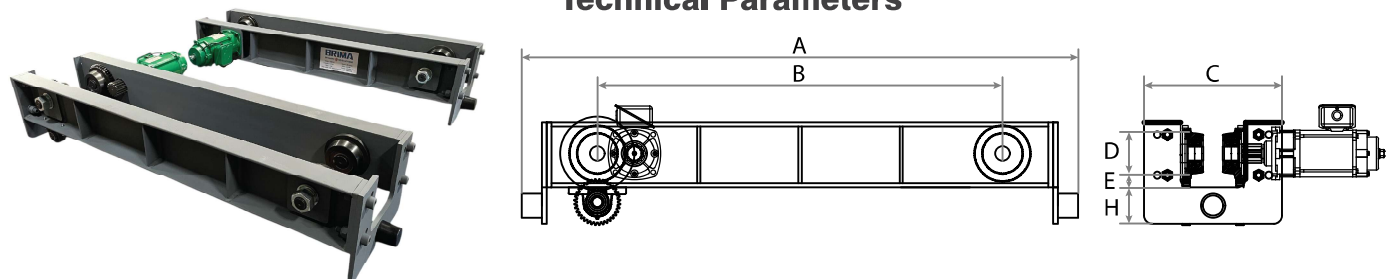


| Rated Load (ton) | Max. Span (m) | Model         | Speed (m/min) | Motor Output (kW) | Dimension (mm) |       |     |     |    |     | Net Weight [per set] (kg) |
|------------------|---------------|---------------|---------------|-------------------|----------------|-------|-----|-----|----|-----|---------------------------|
|                  |               |               |               |                   | A              | B     | C   | D   | E  | H   |                           |
| 12.5             | 8.0           | ET25-12-12.5  | 20.0          | 2 x 0.75          | 1,780          | 1,200 | 200 | 250 | 80 | 325 | 562                       |
|                  | 12.0          | ET25-17-12.5  |               |                   | 2,280          | 1,700 |     |     |    |     | 638                       |
|                  | 16.0          | ET315-22-12.5 |               | 2 x 1.1           | 2,880          | 2,200 |     | 315 | 90 | 420 | 982                       |
|                  | 23.0          | ET315-27-12.5 |               |                   | 3,380          | 2,700 |     |     |    |     | 1,090                     |
| 16.0             | 8.0           | ET315-12-16.0 | 20.0          | 2 x 1.1           | 1,880          | 1,200 | 200 | 315 | 90 | 420 | 795                       |
|                  | 12.0          | ET315-17-16.0 |               |                   | 2,380          | 1,700 |     |     |    |     | 886                       |
|                  | 16.0          | ET315-22-16.0 |               |                   | 2,880          | 2,200 |     |     |    |     | 1,055                     |
|                  | 19.0          | ET315-27-16.0 |               |                   | 3,380          | 2,700 |     |     |    |     | 1,163                     |

\*For other capacity, span and beam width, Please contact our sale department.

## Under-running Motorized End Carriages - Model UT

### Technical Parameters

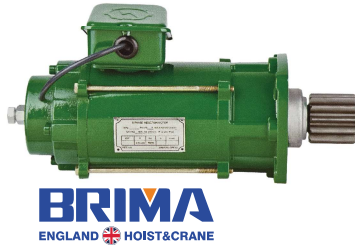


| Model   | Rated Load (ton) | Max. Span (m) | Speed (m/min) | Motor Output (kW) | Beam Width (mm) | Dimension (mm) |       |       |     |      |      | Net Weight [per set] (kg) |
|---------|------------------|---------------|---------------|-------------------|-----------------|----------------|-------|-------|-----|------|------|---------------------------|
|         |                  |               |               |                   |                 | A              | B     | C     | D   | E    | H    |                           |
| UT02-10 | 1.0 - 2.0        | 8.0           | 20.0          | 2 x 0.4           | 100 / 125 / 150 | 1,374          | 1,000 | 340.6 | 100 | 33.5 | 90.0 | 200                       |
| UT03-10 | 3.0              | 8.0           | 20.0          | 2 x 0.4           | 125 / 150 / 175 | 1,400          | 1,000 | 387.1 | 125 | 39.8 | 90.0 | 270                       |
| UT05-15 | 5.0              | 12.0          | 20.0          | 2 x 1.1           | 125 / 150 / 175 | 1,900          | 1,500 | 387.1 | 125 | 39.8 | 90.0 | 320                       |

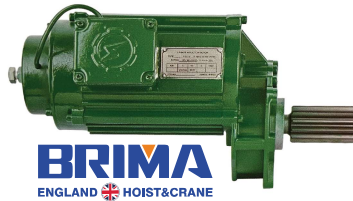
\*For other capacity, span and beam width, Please contact our sale department.

## Crane Motor with Gear Box - Model BM

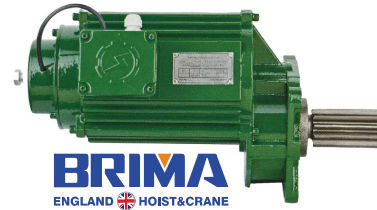
BM-030



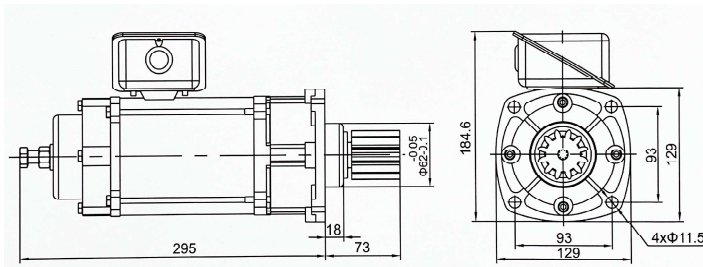
BM-050



BM-100



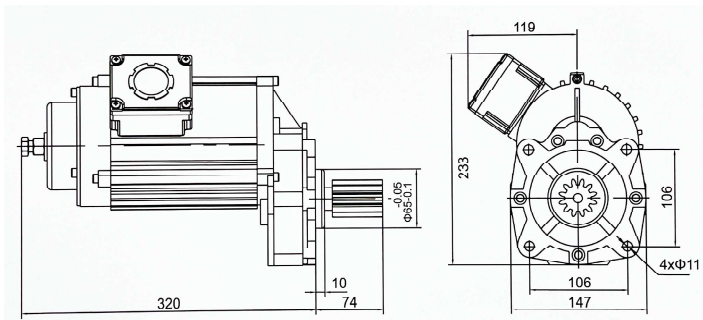
### Technical Parameters



| Model                             | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|-----------------------------------|--------------------------|--------------|------------------------------|
| BM-030<br>(Ratio 10:1)<br>3P 380V | 0.25kW x 4P              | 150 rpm      | M4 x 10T , *                 |
|                                   | 0.25kW x 6P              | 90 rpm       | *                            |
|                                   | 0.4kW x 4P               | 150 rpm      | *                            |

\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

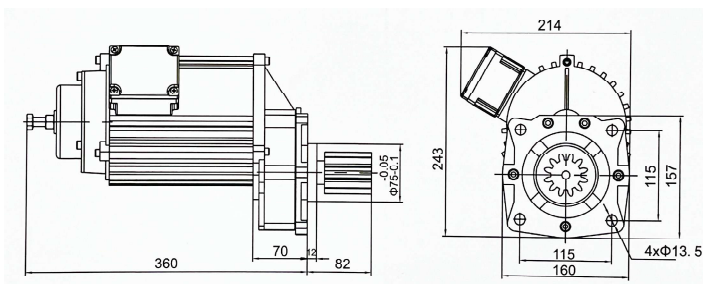
### Technical Parameters



| Model                                 | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|---------------------------------------|--------------------------|--------------|------------------------------|
| BM-050<br>(Ratio 8.5:1)<br>3P 380V    | 0.4kW x 4P               | 176 rpm      | M4 x 10T , *                 |
|                                       | 0.37kW x 6P              | 115 rpm      | *                            |
| BM-050 QX<br>(Ratio 8.5:1)<br>3P 380V | 0.75kW x 4P              | 176 rpm      | *                            |
|                                       | 0.6kW x 6P               | 115 rpm      | *                            |

\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

### Technical Parameters



| Model                                 | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|---------------------------------------|--------------------------|--------------|------------------------------|
| BM-100<br>(Ratio 7.7:1)<br>3P 380V    | 0.75kW x 4P              | 188 rpm      | M4 x 10T , *                 |
|                                       | 0.6kW x 6P               | 123 rpm      | *                            |
|                                       | 0.4/0.13kW x 4/12P       | 188/62 rpm   | *                            |
| BM-100 QX<br>(Ratio 7.7:1)<br>3P 380V | 1.1kW x 4P               | 188 rpm      | M4 x 13T , *                 |
|                                       | 0.75kW x 6P              | 123 rpm      | *                            |

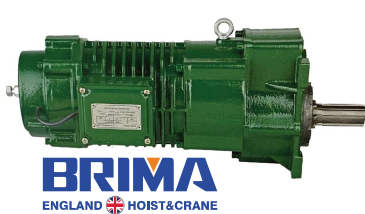
\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

# Crane Motor BM Series

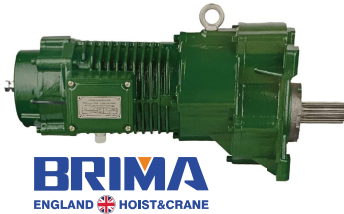


## Crane Motor with Gear Box - Model BM

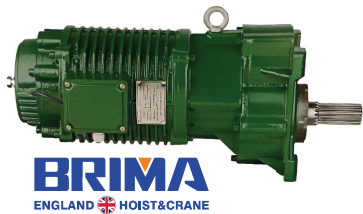
BM-150



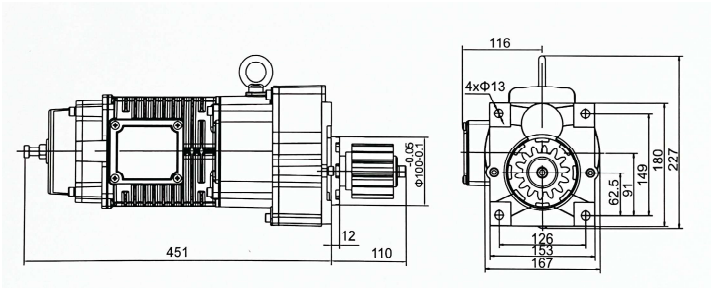
BM-200



BM-300



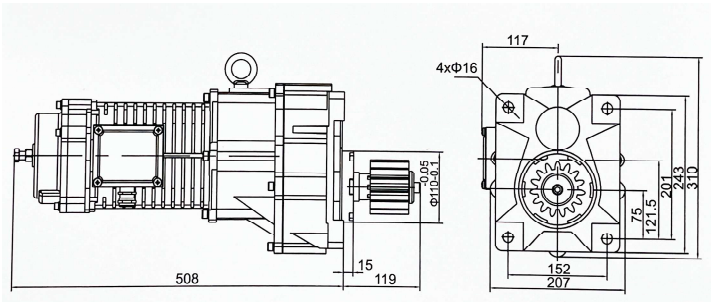
### Technical Parameters



| Model                                | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|--------------------------------------|--------------------------|--------------|------------------------------|
| BM-150<br>(Ratio 13:1)<br>3P 380V    | 1.1kW x 4P               | 114 rpm      | *                            |
|                                      | 0.75kW x 6P              | 67 rpm       | *                            |
|                                      | 0.6/0.2kW x 4/12P        | 114/33 rpm   | *                            |
| BM-150 QX<br>(Ratio 13:1)<br>3P 380V | 1.5kW x 4P               | 114 rpm      | *                            |
|                                      | 1.1kW x 6P               | 67 rpm       | *                            |

\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

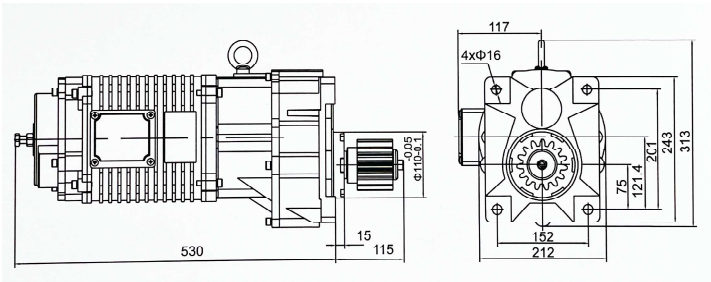
### Technical Parameters



| Model                                | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|--------------------------------------|--------------------------|--------------|------------------------------|
| BM-200<br>(Ratio 16:1)<br>3P 380V    | 1.5kW x 4P               | 92 rpm       | *                            |
|                                      | 1.1kW x 4P               | 92 rpm       | *                            |
|                                      | 1.1kW x 6P               | 61 rpm       | *                            |
|                                      | 0.75/0.25kW x 4/12P      | 92/30 rpm    | *                            |
| BM-200 QX<br>(Ratio 16:1)<br>3P 380V | 2.2kW x 4P               | 92 rpm       | *                            |
|                                      | 1.5kW x 6P               | 61 rpm       | *                            |

\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

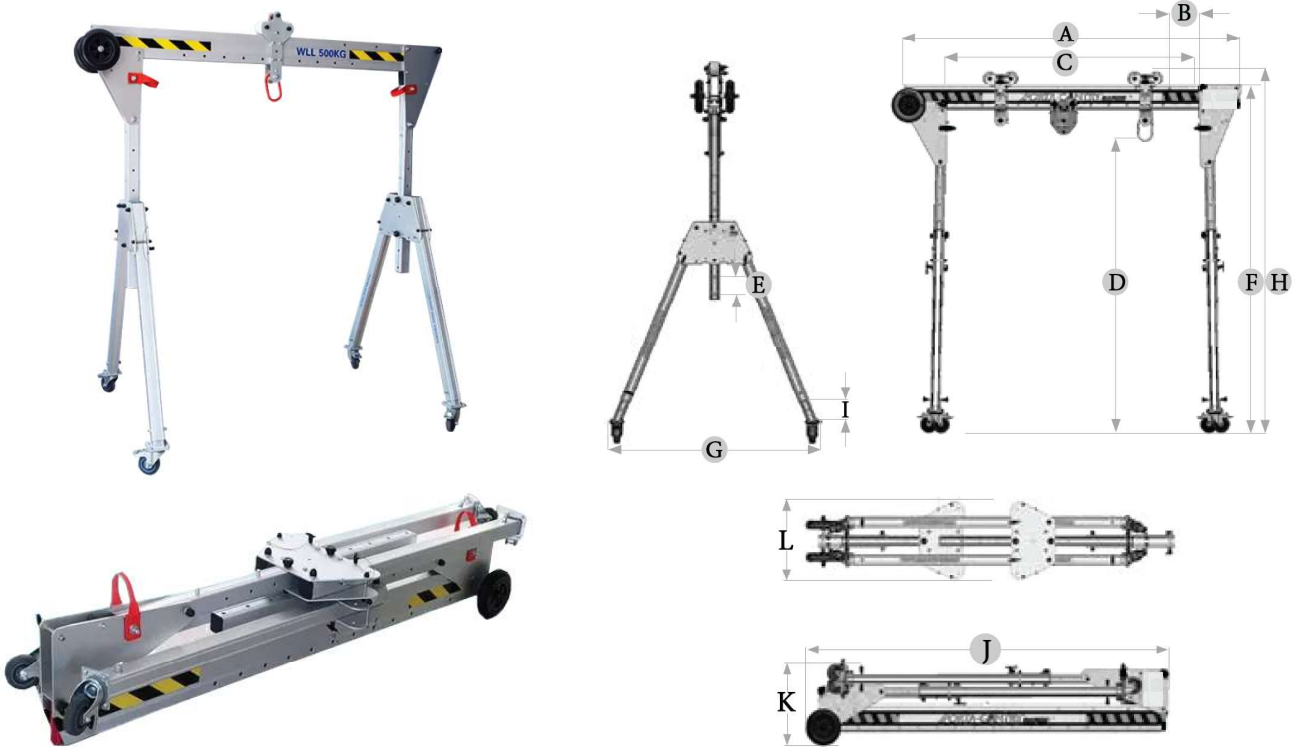
### Technical Parameters



| Model                             | Motor Output (kW x Pole) | Speed (50Hz) | Output Gear (Module x Teeth) |
|-----------------------------------|--------------------------|--------------|------------------------------|
| BM-300<br>(Ratio 16:1)<br>3P 380V | 2.2kW x 4P               | 92 rpm       | *                            |
|                                   | 1.5kW x 6P               | 61 rpm       | *                            |
|                                   | 1.5/0.5kW x 4/12P        | 92/30 rpm    | *                            |

\*Can be changed upon request.  
Module: M3, M3.5, M4; Teeth: 10T, 12T, etc.

## Portable Gantry Crane - Model PRG

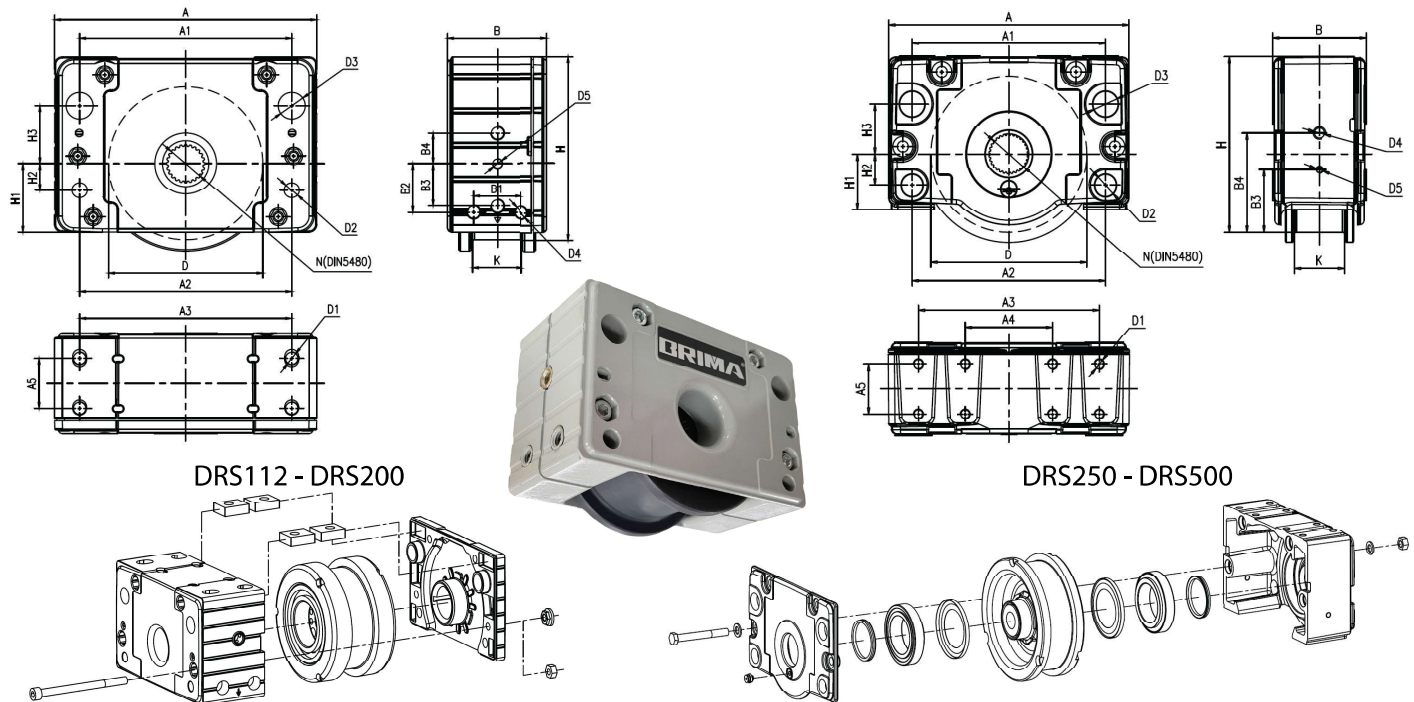


| Model   | Rated Load (kg) | Dimension (mm) |         |               |               |          |               |       |               |     |       |     |     | Net Weight (kg) |
|---------|-----------------|----------------|---------|---------------|---------------|----------|---------------|-------|---------------|-----|-------|-----|-----|-----------------|
|         |                 | A              | B       | C             | D             | E        | F             | G     | H             | I   | J     | K   | L   |                 |
| PRGS20  | 500             | 2,000          | 2 x 200 | 1,100 - 1,500 | 1,450 - 2,050 | 6 x 100  | 1,776 - 2,376 | 1,158 | 1,856 - 2,456 | 100 | 2,080 | 420 | 440 | 33              |
| PRGS23  | 400             | 2,300          | 3 x 200 | 1,200 - 1,800 |               |          |               |       |               |     | 2,380 |     |     | 35              |
| PRGS40  | 250             | 4,000          | 4 x 200 | 2,700 - 3,500 |               |          |               |       |               |     | 4,080 |     |     | 40              |
| PRGM20  | 400             | 2,000          | 2 x 200 | 1,100 - 1,500 | 1,454 - 2,154 | 7 x 100  | 1,780 - 2,480 | 1,215 | 1,860 - 2,560 | 100 | 2,080 | 420 | 440 | 35              |
| PRGM23  | 400             | 2,300          | 3 x 200 | 1,200 - 1,800 |               |          |               |       |               |     | 2,380 |     |     | 36              |
| PRGM40  | 250             | 4,000          | 4 x 200 | 2,700 - 3,500 |               |          |               |       |               |     | 4,080 |     |     | 41              |
| PRGT20  | 250             | 2,000          | 2 x 200 | 1,100 - 1,500 | 1,928 - 2,928 | 10 x 100 | 2,254 - 3,254 | 1,586 | 2,334 - 3,334 | 100 | 2,645 | 420 | 440 | 39              |
| PRGT23  | 250             | 2,300          | 3 x 200 | 1,200 - 1,800 |               |          |               |       |               |     | 2,380 |     |     | 40              |
| PRGT40  | 250             | 4,000          | 4 x 200 | 2,700 - 3,500 |               |          |               |       |               |     | 4,080 |     |     | 45              |
| PRG1S20 | 1,000           | 2,000          | 2 x 200 | 1,102 - 1,502 | 1,430 - 1,930 | 5 x 100  | 1,822 - 2,322 | 1,270 | 1,904 - 2,404 | 100 | 2,077 | 464 | 536 | 45              |
| PRG1S30 | 1,000           | 3,000          | 3 x 200 | 1,902 - 2,502 |               |          |               |       |               |     | 3,077 |     |     | 53              |
| PRG1S40 | 500             | 4,000          | 3 x 200 | 2,902 - 3,502 |               |          |               |       |               |     | 4,077 |     |     | 58              |
| PRG1M20 | 1,000           | 2,000          | 2 x 200 | 1,102 - 1,502 | 1,740 - 2,440 | 7 x 100  | 2,061 - 2,761 | 1,484 | 2,143 - 2,843 | 100 | 2,200 | 464 | 536 | 49              |
| PRG1M30 | 1,000           | 3,000          | 3 x 200 | 1,902 - 2,502 |               |          |               |       |               |     | 3,077 |     |     | 54              |
| PRG1M40 | 500             | 4,000          | 3 x 200 | 2,902 - 3,502 |               |          |               |       |               |     | 4,077 |     |     | 59              |
| PRG1T20 | 1,000           | 2,000          | 2 x 200 | 598 - 1,050   | 1,980 - 2,880 | 9 x 100  | 2,301 - 3,201 | 1,698 | 2,383 - 3,383 | 100 | 2,830 | 464 | 536 | 53              |
| PRG1T30 | 1,000           | 3,000          | 3 x 200 | 1,417 - 2,017 |               |          |               |       |               |     | 3,077 |     |     | 58              |
| PRG1T40 | 500             | 4,000          | 3 x 200 | 2,385 - 2,985 |               |          |               |       |               |     | 4,077 |     |     | 62              |

# Crane Wheel Block

## DRS Series

### European Crane Wheel Block - Model DRS



| Model  | Dimension (mm) |     |     |       |     |      |     |     |     |    |      |     |      | Max. Load (kN) |
|--------|----------------|-----|-----|-------|-----|------|-----|-----|-----|----|------|-----|------|----------------|
|        | D              | A   | B   | H     | K   | H1   | H2  | H3  | H4  | B1 | B2   | B3  | B4   |                |
| DRS112 | 112            | 190 | 96  | 131   | 60  | 47   | 30  | 40  | 80  | 40 | 30   | -   | 24   | 27.5           |
| DRS125 | 125            | 220 | 98  | 147.5 | 60  | 53.5 | 20  | 40  | 100 | 50 | 37   | -   | 37.5 | 50             |
| DRS160 | 160            | 275 | 110 | 187   | 65  | 70   | 25  | 55  | 100 | 54 | 47.5 | -   | 20   | 70             |
| DRS200 | 200            | 340 | 130 | 238   | 65  | 90   | 35  | 75  | 100 | 62 | 64   | 56  | 40   | 100            |
| DRS250 | 250            | 385 | 150 | 281   | 75  | 89   | 50  | 80  | -   | -  | -    | 100 | -    | 160            |
| DRS315 | 315            | 470 | 180 | 349.5 | 90  | 114  | 70  | 80  | -   | -  | -    | 100 | 130  | 220            |
| DRS400 | 400            | 580 | 210 | 440   | 100 | 144  | 95  | 130 | -   | -  | -    | 100 | 130  | 300            |
| DRS500 | 500            | 700 | 240 | 566   | 110 | 183  | 110 | 160 | -   | -  | -    | 100 | 130  | 400            |

| Model  | Dimension (mm) |     |     |     |     |         |      |      |         |         |                                        | Net Weight (kg) |
|--------|----------------|-----|-----|-----|-----|---------|------|------|---------|---------|----------------------------------------|-----------------|
|        | A1             | A2  | A3  | A4  | A5  | D1      | D2   | D3   | D4      | D5      | N (DIN5480)                            |                 |
| DRS112 | 145            | 145 | 145 | -   | 45  | 4 x M12 | 10.5 | 18.5 | 4 x M12 | 2 x M12 | W30 x 1.25 x 30 <sup>0</sup> x 22 x 7H | 10.0            |
| DRS125 | 175            | 175 | 170 | -   | 55  | 4 x M12 | 13   | 21   | 4 x M12 | 2 x M12 | W30 x 1.25 x 30 <sup>0</sup> x 22 x 7H | 15.0            |
| DRS160 | 220            | 220 | 220 | -   | 55  | 4 x M16 | 17   | 30   | 4 x M16 | 2 x M12 | W45 x 2 x 30 <sup>0</sup> x 21 x 7H    | 26.0            |
| DRS200 | 275            | 275 | 275 | -   | 65  | 4 x M16 | 20   | 35   | 8 x M16 | 2 x M12 | W50 x 2 x 30 <sup>0</sup> x 24 x 7H    | 41.0            |
| DRS250 | 310            | 310 | 290 | 140 | 80  | 8 x M16 | 34   | 40   | -       | 2 x M12 | W65 x 2 x 30 <sup>0</sup> x 31 x 7H    | 70.0            |
| DRS315 | 370            | 370 | 360 | 180 | 100 | 8 x M16 | 40   | 50   | 2 x M20 | 2 x M12 | W65 x 2 x 30 <sup>0</sup> x 31 x 7H    | 130.0           |
| DRS400 | 450            | 450 | 440 | 210 | 120 | 8 x M20 | 31   | 65   | 2 x M20 | 2 x M12 | W90 x 3 x 30 <sup>0</sup> x 28 x 7H    | 220.0           |
| DRS500 | 580            | 580 | 620 | 480 | 125 | 8 x M20 | 31   | 70   | 2 x M20 | 2 x M12 | W90 x 3 x 30 <sup>0</sup> x 28 x 7H    | 380.0           |

## Explosion-proof Electric Chain Hoist - Model BMFB (2-direction)



| Model     | Rated Load (ton) | Load Chain |              | Lifting Speed (m/min) | Lifting Motor Output (kW) | Min. Headroom (mm) |
|-----------|------------------|------------|--------------|-----------------------|---------------------------|--------------------|
|           |                  | Dia. (mm)  | No. of falls |                       |                           |                    |
| BMFB0101  | 1.0              | 7.1        | 1            | 6.6                   | 1.5                       | 650                |
| BMFB01501 | 1.5              | 10.0       | 1            | 8.8                   | 3.0                       | 800                |
| BMFB0201  | 2.0              | 10.0       | 1            | 6.6                   | 3.0                       | 800                |
| BMFB02501 | 2.5              | 11.2       | 1            | 6.6                   | 3.0                       | 845                |
| BMFB0301  | 3.0              | 11.2       | 1            | 5.4                   | 1.5                       | 845                |
| BMFB0502  | 5.0              | 11.2       | 2            | 2.7                   | 3.0                       | 1,030              |
| BMFB1004  | 10.0             | 11.2       | 4            | 2.7                   | 2 x 3.0                   | 1,400              |

## Explosion-proof Electric Chain Hoist - Model BMFB (4-direction)



| Model     | Rated Load (ton) | Load Chain |              | Lifting       |                   | Traversing    |                   | Beam Width (mm) | Min. Headroom (mm) |
|-----------|------------------|------------|--------------|---------------|-------------------|---------------|-------------------|-----------------|--------------------|
|           |                  | Dia. (mm)  | No. of falls | Speed (m/min) | Motor Output (kW) | Speed (m/min) | Motor Output (kW) |                 |                    |
| BMFB0101  | 1.0              | 7.1        | 1            | 6.6           | 1.5               | 11 or 21      | 0.4               | 58 - 153        | 650                |
| BMFB01501 | 1.5              | 10.0       | 1            | 8.8           | 3.0               | 11 or 21      | 0.4               | 82 - 178        | 770                |
| BMFB0201  | 2.0              | 10.0       | 1            | 6.6           | 3.0               | 11 or 21      | 0.4               | 82 - 178        | 770                |
| BMFB02501 | 2.5              | 11.2       | 1            | 6.6           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 830                |
| BMFB0301  | 3.0              | 11.2       | 1            | 5.4           | 1.5               | 11 or 21      | 0.75              | 100 - 178       | 830                |
| BMFB0502  | 5.0              | 11.2       | 2            | 2.7           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 1,015              |
| BMFB07503 | 7.5              | 11.2       | 3            | 1.8           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 1,200              |
| BMFB1004  | 10.0             | 11.2       | 4            | 2.7           | 2 x 3.0           | 11 or 21      | 2 x 0.75          | 150 - 220       | 1,190              |

## Low-headroom Ex-proof Electric Chain Hoist - Model BMFB (4-direction)

| Model     | Rated Load (ton) | Load Chain |              | Lifting       |                   | Traversing    |                   | Beam Width (mm) | Min. Headroom (mm) |
|-----------|------------------|------------|--------------|---------------|-------------------|---------------|-------------------|-----------------|--------------------|
|           |                  | Dia. (mm)  | No. of falls | Speed (m/min) | Motor Output (kW) | Speed (m/min) | Motor Output (kW) |                 |                    |
| BMFB0101  | 1.0              | 7.1        | 1            | 6.6           | 1.5               | 11 or 21      | 0.4               | 58 - 153        | 480                |
| BMFB01501 | 1.5              | 10.0       | 1            | 8.8           | 3.0               | 11 or 21      | 0.4               | 82 - 178        | 570                |
| BMFB0202  | 2.0              | 7.1        | 2            | 3.3           | 1.5               | 11 or 21      | 0.4               | 82 - 178        | 535                |
| BMFB02501 | 2.5              | 11.2       | 1            | 6.6           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 640                |
| BMFB0301  | 3.0              | 11.2       | 1            | 5.4           | 1.5               | 11 or 21      | 0.75              | 100 - 178       | 640                |
| BMFB0502  | 5.0              | 11.2       | 2            | 2.7           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 740                |
| BMFB07503 | 7.5              | 11.2       | 3            | 1.8           | 3.0               | 11 or 21      | 0.75              | 100 - 178       | 890                |
| BMFB1004  | 10.0             | 11.2       | 4            | 2.7           | 2 x 3.0           | 11 or 21      | 2 x 0.75          | 150 - 220       | 890                |

**Ex Mark :**

**Hoist - Ex db IIB T4 Gb / Ex tb IIIC T135°C IP65**

**Trolley - Ex d IIC T4 Gb / Ex tD A21 T130°C IP65**