

# EFL2503-HV

## High Capacity Electric Counterbalanced Forklift 25T



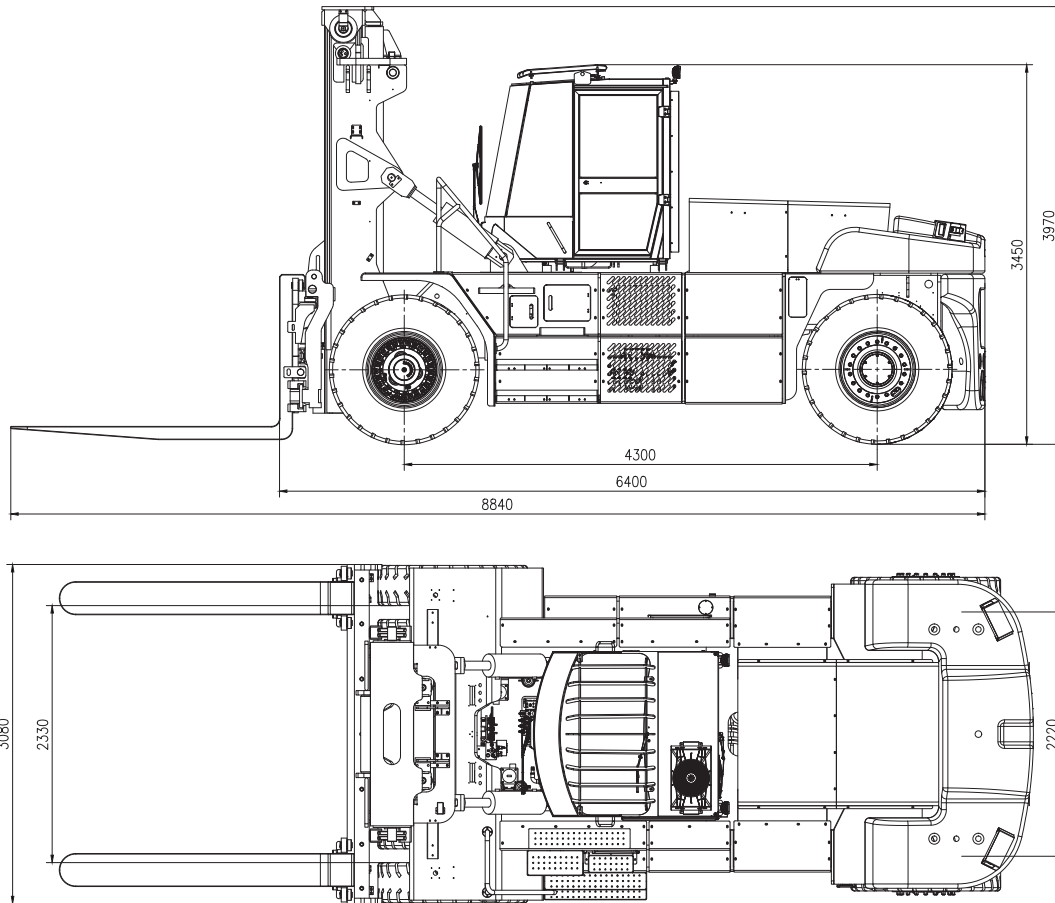
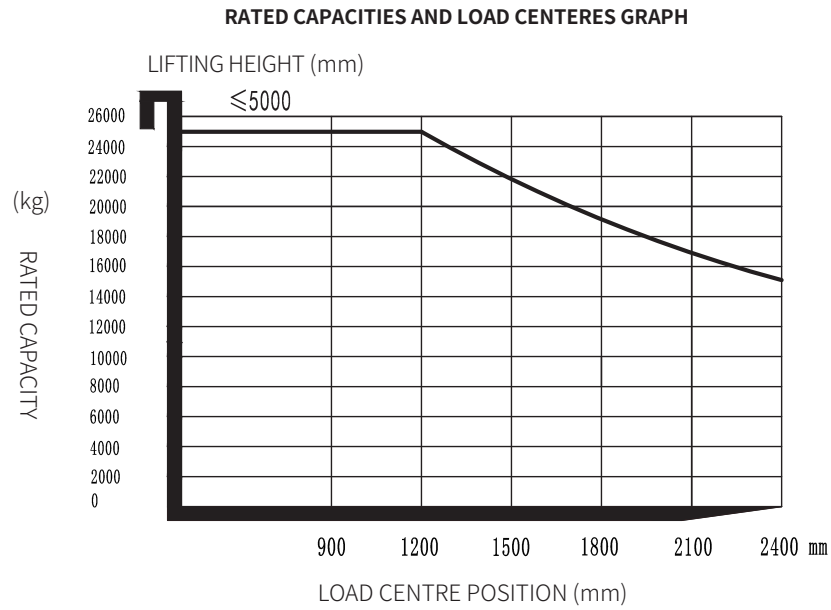
| Manufacturer                     |       |       | EP            |
|----------------------------------|-------|-------|---------------|
| Model designation                |       |       | EFL2503-HV-12 |
| Drive                            |       |       | Electric      |
| Load capacity                    | Q     | kg    | 25000         |
| Load center distance             | c     | mm    | 1200          |
| Service weight                   |       | kg    | 38700         |
| Height, mast extended            | h1    | mm    | 5890          |
| Length to face of forks          | h3    | mm    | 6420          |
| Overall width                    | h4    | mm    | 3080          |
| Fork dimensions                  | l2    | mm    | 110/250/2400  |
| Turning radius                   | b1/b2 | mm    | 6350          |
| Travel speed, laden/unladen      | s/e/l | km/ h | 22/22         |
| Lifting speed, laden/unladen     | Wa    | m/s   | 0.3/0.35      |
| Lowering speed, laden/unladen    |       | m/s   | 0.48/0.4      |
| Max. gradeability, laden/unladen |       | %     | 20/30         |
| Drive motor rating S2 60 min     |       | kW    | 135           |
| Battery voltage/nominal capacity |       | V/Ah  | 618.24/456    |

# Li-ion High Capacity Truck 25T

## EFL2503-HV

|                      |        |                                              |                                |       |               |
|----------------------|--------|----------------------------------------------|--------------------------------|-------|---------------|
| Distinguishing mark  | 1.1    | Manufacturer                                 |                                |       | EP            |
|                      | 1.2    | Model designation                            |                                |       | EFL2503-HV-12 |
|                      | 1.3    | Drive                                        |                                |       | Electric      |
|                      | 1.4    | Operator type                                |                                |       | Seated        |
|                      | 1.5    | Load capacity                                | Q                              | kg    | 25000         |
|                      | 1.6    | Load center distance                         | c                              | mm    | 1200          |
|                      | 1.8    | Load distance, centre of drive axle to fork  | x                              | mm    | 1130          |
|                      | 1.9    | Wheelbase                                    | y                              | mm    | 4300          |
| Service weight       | 2.1    | Service weight                               |                                | kg    | 38700         |
|                      | 2.2    | Axle loading, laden front/rear               |                                | kg    | 57800/5900    |
|                      | 2.3    | Axle loading, unladen front/rear             |                                | kg    | 18900/19800   |
| Tyres/chassis        | 3.1    | Tyre type                                    |                                |       | pneumatic     |
|                      | 3.2    | Tyre size, front                             |                                |       | 14.00-24-28PR |
|                      | 3.3    | Tyre size, rear                              |                                |       | 14.00-24-28PR |
|                      | 3.5    | Wheels, number front/rear (x=drive wheels)   |                                | mm    | 4×/2          |
|                      | 3.6    | Tread width, front                           | b <sub>10</sub>                | mm    | 2200          |
|                      | 3.7    | Tread width, rear                            | b <sub>11</sub>                | mm    | 2460          |
|                      | 4.1    | Tilt of mast/fork carriage forward/backward  | α/β                            | °     | 6/10          |
| Dimensions           | 4.2    | Retracted mast height                        | h <sub>1</sub>                 | mm    | 3950          |
|                      | 4.3    | Free lift                                    | h <sub>2</sub>                 | mm    | 125           |
|                      | 4.4    | Lift height                                  | h <sub>3</sub>                 | mm    | 4000          |
|                      | 4.5    | Height, mast extended                        | h <sub>4</sub>                 | mm    | 5890          |
|                      | 4.7    | Height of overhead guard (cabin)             | h <sub>6</sub>                 | mm    | 3380          |
|                      | 4.8    | Seat height/standing height                  | h <sub>7</sub>                 | mm    | 2465          |
|                      | 4.12   | Tow coupling height                          | h <sub>10</sub>                | mm    | 390           |
|                      | 4.19   | Overall length                               | l <sub>1</sub>                 | mm    | 8860          |
|                      | 4.20   | Length to face of forks                      | l <sub>2</sub>                 | mm    | 6420          |
|                      | 4.21   | Overall width                                | b <sub>1</sub> /b <sub>2</sub> | mm    | 3080          |
|                      | 4.22   | Fork dimensions                              | s×e×l                          | mm    | 110/250/2400  |
|                      | 4.23   | A,B Fork carriage class/type A, B            |                                |       | /             |
|                      | 4.24   | Fork carriage width                          | b <sub>3</sub>                 | mm    | 3080          |
|                      | 4.31   | Ground clearance, laden, below mast          | m <sub>1</sub>                 | mm    | 185           |
|                      | 4.32   | Ground clearance, center of wheelbase        | m <sub>2</sub>                 | mm    | 320           |
|                      | 4.34.1 | Aisle width for pallets 1000×1200 crossways  | Ast                            | mm    | 10120         |
|                      | 4.34.2 | Aisle width for pallets 800×1200 lengthways  | Ast                            | mm    | 10120         |
| Performance data     | 4.35   | Turning radius                               | Wa                             | mm    | 6350          |
|                      | 5.1    | Travel speed, laden/unladen                  |                                | km/h  | 22/22         |
|                      | 5.2    | Lifting speed, laden/unladen                 |                                | m/s   | 0.3/0.35      |
|                      | 5.3    | Lowering speed, laden/unladen                |                                | m/s   | 0.48/0.4      |
|                      | 5.5    | Drawbar pull, laden/unladen                  |                                | N     | 140000/140000 |
|                      | 5.6    | Max. drawbar pull, laden/unladen             |                                | N     | 160000/160000 |
|                      | 5.8    | Max. gradeability, laden/unladen             |                                | %     | 20/30         |
|                      | 5.10   | Service brake                                |                                |       | Hydraulic     |
| Electric-engine      | 5.11   | Parking brake                                |                                |       | Hydraulic     |
|                      | 6.1    | Drive motor rating S2 60 min                 |                                | kW    | 135           |
|                      | 6.2    | Lift motor rating at S3 15%                  |                                | kW    | 90            |
|                      | 6.4    | Battery voltage/nominal capacity             |                                | V/Ah  | 618.24/456    |
|                      | 6.5    | Battery weight                               |                                | kg    | 1864          |
|                      | 6.6    | Energy consumption according to DIN EN 16796 |                                | kWh/h | 26            |
|                      | 6.7    | Turnover output according to VDI 2198        |                                | t/h   | /             |
|                      | 6.8    | Turnover efficiency according to VDI 2198    |                                | t/kWh | /             |
| Drive/lift mechanism | 8.1    | Type of drive control                        |                                |       | AC            |
| Addition data        | 10.1   | Operating pressure for attachments           |                                | bar   | 180           |
|                      | 10.2   | Oil volume for attachments                   |                                | l/min | 80            |
|                      | 10.5   | Steering design                              |                                |       | Hydraulic     |
|                      | 10.7   | Sound pressure level at the driver's ear     |                                | dB(A) | <75           |
|                      | 15.1   | Charger output current                       |                                | A     | 115           |

If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.



## Mast Option

| Mast types      | Lift height<br>( h3 ) | Height, Mast                |                           |               | Height, Free lift(h2) |               |
|-----------------|-----------------------|-----------------------------|---------------------------|---------------|-----------------------|---------------|
|                 |                       | Height, mast<br>lowered(h1) | Height, mast extended(h4) |               | No<br>backrest        | With backrest |
|                 |                       |                             | No backrest               | With backrest |                       |               |
|                 | mm                    | mm                          | mm                        | mm            | mm                    | mm            |
| 2-Standard Mast | 4000                  | 3950                        | 5890                      | 5890          | 125                   | 125           |

# Option

| No.  | Optional items                                | EFL2503-HV                                                                                                                                    |
|------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1  | Fork dimension                                | ●12500*1200、5A、250*110*2440○12500*1200、5A、300*120*2440                                                                                        |
| 1.3  | Fork lowered height                           | ●125                                                                                                                                          |
| 1.4  | Fork carriage width                           | ●3080                                                                                                                                         |
| 2.1  | Load wheel type                               | ●Double                                                                                                                                       |
| 2.2  | Load wheel material                           | ●Rubber                                                                                                                                       |
| 2.3  | Drive wheel material                          | ●Rubber                                                                                                                                       |
| 2.4  | Front wheel type                              | ●Double                                                                                                                                       |
| 2.5  | Front wheel material                          | ●Pneumatic○solid                                                                                                                              |
| 2.6  | Rear wheel material                           | ●Pneumatic○solid                                                                                                                              |
| 2.7  | Battery capacity                              | ●614.4V/460Ah                                                                                                                                 |
| 2.8  | Charger                                       | ○200V-750V/60KW External (national standard)<br>○300V-1000V/80KW External (national standard)<br>○200V-750V/20KW External (European standard) |
| 2.9  | Battery indicator                             | ●With time                                                                                                                                    |
| 2.10 | Seat type                                     | ●Suspension + safety belt logic switch                                                                                                        |
| 2.11 | Attachments                                   | ●Adjustable fork                                                                                                                              |
| 2.12 | Safe hook                                     | ●No                                                                                                                                           |
| 2.13 | Traction pin                                  | ●Yes and not customized                                                                                                                       |
| 2.14 | Electrostatic chain                           | ●No                                                                                                                                           |
| 2.16 | handle head type                              | ●One-handed big handle head                                                                                                                   |
| 3.1  | Foldable fork                                 | ●No                                                                                                                                           |
| 3.3  | Castor wheels                                 | ●No                                                                                                                                           |
| 3.4  | Water auto-filling system                     | ●No                                                                                                                                           |
| 3.5  | Front lamp                                    | ●LED                                                                                                                                          |
| 3.6  | Rear lamp                                     | ●LED                                                                                                                                          |
| 3.7  | Warning lamp                                  | ●Yes and not customized                                                                                                                       |
| 3.8  | Steering lamp                                 | ●LED                                                                                                                                          |
| 3.9  | Blue lamp                                     | ●Yes and not customized                                                                                                                       |
| 3.10 | Area warning lamp                             | ●Yes and not customized                                                                                                                       |
| 3.11 | Rearview mirror                               | ●Yes and not customized                                                                                                                       |
| 3.12 | Hummer                                        | ●Yes and not customized                                                                                                                       |
| 3.13 | Height display                                | ●No                                                                                                                                           |
| 3.14 | Camera                                        | ●Yes and not customized                                                                                                                       |
| 3.15 | Fire extinguisher                             | ●Yes and not customized                                                                                                                       |
| 3.16 | Vertical handler working                      | ●No                                                                                                                                           |
| 3.17 | OPS system                                    | ●Yes and not customized                                                                                                                       |
| 3.18 | Guide wheel                                   | ●No                                                                                                                                           |
| 3.19 | USB interface                                 | ●Yes and not customized                                                                                                                       |
| 3.20 | Step on the safety switch with both feet      | ●Yes and not customized                                                                                                                       |
| 3.21 | Electronic sale                               | ●No                                                                                                                                           |
| 3.22 | Electronic sale with print                    | ●No                                                                                                                                           |
| 3.23 | Remote monitoring                             | ●No○Yes and not customized                                                                                                                    |
| 3.24 | Side supports                                 | ●No                                                                                                                                           |
| 3.25 | Fan heater                                    | ●No                                                                                                                                           |
| 3.26 | The British standard cannot walk when charged | ●Yes and not customized                                                                                                                       |
| 4.1  | Battery side pull function                    | ●No                                                                                                                                           |
| 4.2  | Cold storage                                  | ●No                                                                                                                                           |
| 4.3  | Cabin                                         | Fully enclosed cabin;front, rear and top wipers;<br>With electric fan;Heating and cooling air conditioning system;                            |
| 4.4  | Weighting system with fork                    | ●No○Yes and not customized                                                                                                                    |
| 4.5  | Proportional lift system                      | ●Yes and not customized                                                                                                                       |
| 4.6  | Forks tilt forward and backward               | ●Yes and not customized                                                                                                                       |
| 4.7  | Overhead guard                                | ●Yes and not customized                                                                                                                       |
| 4.8  | Drive assembly                                | ●Yes and not customized                                                                                                                       |
| 5.1  | Battery side pull attachment                  | ●No                                                                                                                                           |

Note: ●Standard ○Optional - Inconformity