



# EFL252

## Electric Counterbalance Forklift Truck 2.5T **LI-ION** TECHNOLOGY

- Compact size
- High strength components
- Lithium-ion technology
- Telematics
- Low TCO

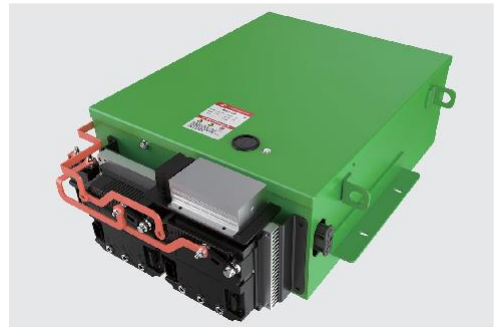
**EP EQUIPMENT CO.,LTD**  
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## FEATURE

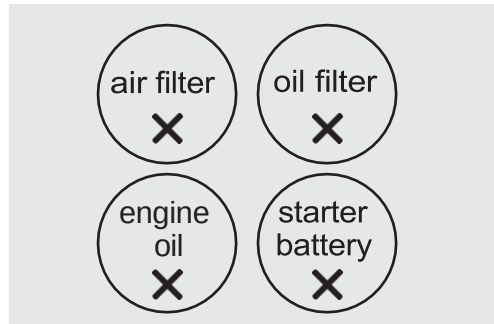
### ■ Lithium-ion technology

EFL252 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety operation. It supports opportunity charging so it can be charged at preferable time during the day without disrupting working schedules.



### ■ Low TCO

Comparing to a diesel forklift truck, EFL252 saves 30%-50% of energy cost with li-ion technology. And there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck.



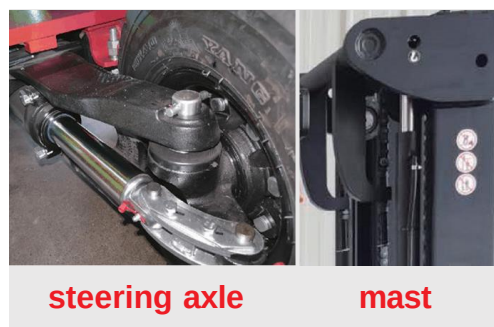
### ■ Compact size

The overall length of EFL252 is 3573 mm that is 5% more compacted in size than a regular IC forklift to be used in narrow aisle.



### ■ High strength components

EFL252 features its high strength mast and tapered roller steering axle for better stability and endurance. The truck is able to be operated outdoors, even on uneven road to perform heavy duty tasks.



### ■ Telematics

EFL252 offers EP's latest Telematics. It provides the following features to facilitate your fleet management:

- Truck location in real-time
- Reports of truck usages and diagnosis
- Li-ion battery condition analytics
- Updates on card access registration

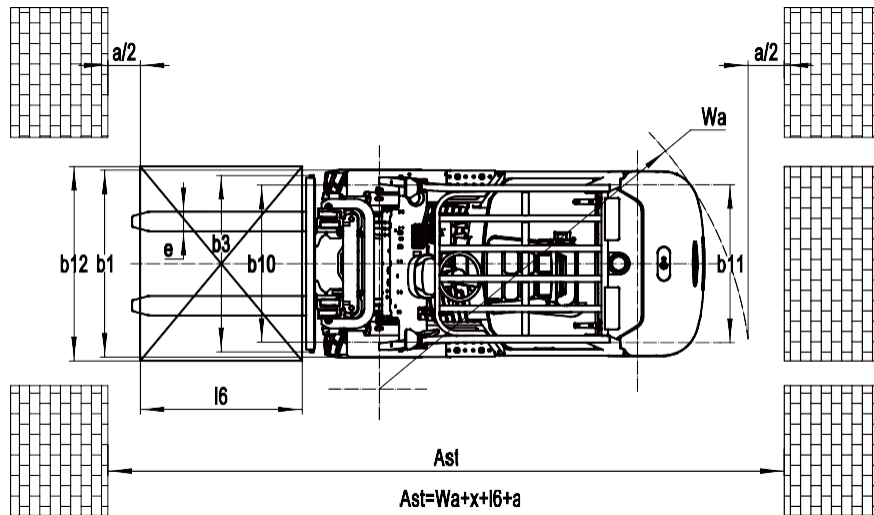
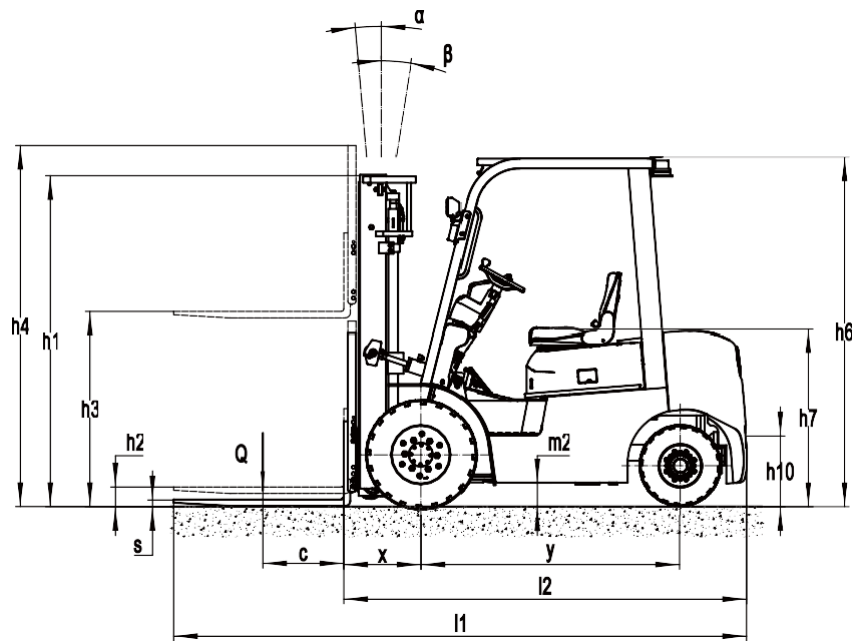


# Electric Counterbalance Forklift Truck 2.5T

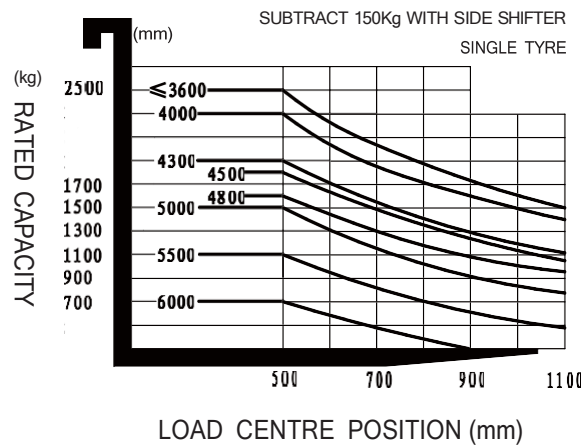
## EFL252

|        |                                             |                |       |              |
|--------|---------------------------------------------|----------------|-------|--------------|
| 1.1    | Manufacturer                                |                |       | EP           |
| 1.2    | Model designation                           |                |       | EFL252       |
| 1.3    | Drive                                       |                |       | Electric     |
| 1.4    | Operator type                               |                |       | Seated       |
| 1.5    | Load capacity                               | Q              | kg    | 2500         |
| 1.6    | Load center distance                        | c              | mm    | 500          |
| 1.8    | Load distance, centre of drive axle to fork | x              | mm    | 495          |
| 1.9    | Wheelbase                                   | y              | mm    | 1595         |
| 2.1    | Service weight                              |                | kg    | 3830         |
| 2.2    | Axle loading, laden front/rear              |                | kg    | 5530/800     |
| 2.3    | Axle loading, unladen front/rear            |                | kg    | 1480/2350    |
| 3.1    | Tyre type                                   |                |       | Solid rubber |
| 3.2    | Tyre size, front                            |                |       | 7.00-12      |
| 3.3    | Tyre size, rear                             |                |       | 6.00-9       |
| 3.5    | Wheels, number front/rear (x=drive wheels)  |                | mm    | 2x/2         |
| 3.6    | Tread width, front                          | b10            | mm    | 970          |
| 3.7    | Tread width, rear                           | b11            | mm    | 975          |
| 4.1    | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$ | °     | 6/10         |
| 4.2    | Retracted mast height                       | h1             | mm    | 2060         |
| 4.3    | Free lift                                   | h2             | mm    | 140          |
| 4.4    | Lift height                                 | h3             | mm    | 3000         |
| 4.5    | Height, mast extended                       | h4             | mm    | 4050         |
| 4.7    | Height of overhead guard (cabin)            | h6             | mm    | 2160         |
| 4.8    | Seat height/standing height                 | h7             | mm    | 1095         |
| 4.12   | Tow coupling height                         | h10            | mm    | 435          |
| 4.19   | Overall length                              | l1             | mm    | 3573         |
| 4.20   | Length to face of forks                     | l2             | mm    | 2503         |
| 4.21   | Overall width                               | b1/b2          | mm    | 1154         |
| 4.22   | Fork dimensions                             | s/e/l          | mm    | 40×125×1070  |
| 4.23   | A,B Fork carriage class/type A, B           |                |       | 2A           |
| 4.24   | Fork carriage width                         | b3             | mm    | 1090         |
| 4.31   | Ground clearance, laden, below mast         | m1             | mm    | 100          |
| 4.32   | Ground clearance, center of wheelbase       | m2             | mm    | 150          |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | Ast            | mm    | 3985         |
| 4.34.2 | Aisle width for pallets 800×1200 crossways  | Ast            | mm    | 4195         |
| 4.35   | Turning radius                              | Wa             | mm    | 2290         |
| 5.1    | Travel speed, laden/unladen                 |                | km/h  | 11/12        |
| 5.2    | Lifting speed, laden/unladen                |                | m/s   | 0.28/0.37    |
| 5.3    | Lowering speed, laden/unladen               |                | m/s   | 0.45/0.5     |
| 5.5    | Drawbar pull, laden/unladen                 |                | N     | —            |
| 5.6    | Max. drawbar pull, laden/unladen            |                | N     | —            |
| 5.8    | Max. gradeability, laden/unladen            |                | %     | 15/15        |
| 5.10   | Service brake                               |                |       | Hydraulic    |
| 5.11   | Parking brake                               |                |       | Mechanical   |
| 6.1    | Drive motor rating S2 60 min                |                | kW    | 10           |
| 6.2    | Lift motor rating at S3 15%                 |                | kW    | 12           |
| 6.4    | Battery voltage/nominal capacity            |                | V/Ah  | 80/205       |
| 6.5    | Battery weight                              |                | kg    | —            |
| 8.1    | Type of drive control                       |                |       | AC           |
| 10.5   | Steering design                             |                |       | Hydraulic    |
| 10.7   | Sound pressure level at the driver's ear    |                | dB(A) | < 74         |

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



## RATED CAPACITIES



# Option

| No.                            | Optional items            | EFL252                                                                                      |
|--------------------------------|---------------------------|---------------------------------------------------------------------------------------------|
| 1                              | Fork length               | • 1070 ◯ customization consultation                                                         |
| 2                              | Attachments               | • NA ◯ integrated side shifter ◯ external side shifter ◯ customization consultation         |
| 3                              | Overhead guard            | • normal overhead guard ◯ customization consultation                                        |
| 4                              | Front wheel configuration | • single ◯ dual                                                                             |
| 5                              | Tyre type                 | • Solid rubber tire ◯ Environmental solid tire                                              |
| 6                              | Front light               | • Front light ◯ LED front light                                                             |
| 7                              | Auxiliary light           | • NA ◯ Back light                                                                           |
| 8                              | Safety components         | • NA ◯ Fire extinguisher ◯ blue light                                                       |
| 9                              | Seat                      | • normal seat ◯ suspension seat                                                             |
| 10                             | Cockpit                   | • NA ◯ Cockpit ◯ With fan heater ◯ With front windshield wiper ◯ With rear windshield wiper |
| 11                             | Rearview                  | • single ◯ dual                                                                             |
| 12                             | Air fan                   | • NA ◯ single                                                                               |
| 13                             | Charging                  | • 80V65A ◯ 80V130A ◯ 80V200A ◯ 80V60A (integrated)                                          |
| 14                             | Li-Ion battery            | • 80V205Ah ◯ 80V280Ah ◯ 80V410Ah                                                            |
| Note: • standard ◯ option — NA |                           |                                                                                             |

# Mast Option

| Mast types      | Lift height<br>( h3 ) | Height, Mast                |                           |               | Height, Free lift(h2) |               |
|-----------------|-----------------------|-----------------------------|---------------------------|---------------|-----------------------|---------------|
|                 |                       | Height, mast<br>lowered(h1) | Height, mast extended(h4) |               | No shelving           | With shelving |
|                 |                       |                             | No shelving               | With shelving |                       |               |
|                 | mm                    | mm                          | mm                        | mm            | mm                    | mm            |
| 2-Standard Mast | 3000                  | 2075                        | 3565                      | 4025          | 140                   | 140           |
|                 | 3300                  | 2225                        | 3865                      | 4325          | 140                   | 140           |
|                 | 3500                  | 2325                        | 4065                      | 4525          | 140                   | 140           |
|                 | 3600                  | 2375                        | 4165                      | 4625          | 140                   | 140           |
|                 | 4000                  | 2625                        | 4565                      | 5025          | 140                   | 140           |
|                 | 4500                  | 2875                        | 5065                      | 5525          | 140                   | 140           |
| 2-Free Mast     | 3000                  | 2035                        | 3565                      | 4025          | 1470                  | 1000          |
|                 | 3300                  | 2185                        | 3865                      | 4325          | 1620                  | 1150          |
|                 | 3600                  | 2335                        | 4165                      | 4625          | 1770                  | 1300          |
| 3-Free Mast     | 4300                  | 2035                        | 4865                      | 5325          | 1470                  | 1000          |
|                 | 4500                  | 2100                        | 5065                      | 5525          | 1550                  | 1080          |
|                 | 4800                  | 2220                        | 5365                      | 5825          | 1655                  | 1185          |
|                 | 5000                  | 2305                        | 5565                      | 6025          | 1740                  | 1270          |
|                 | 5500                  | 2555                        | 6065                      | 6525          | 1990                  | 1520          |
|                 | 6000                  | 2805                        | 6565                      | 7025          | 2240                  | 1770          |