



# EFL252

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

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

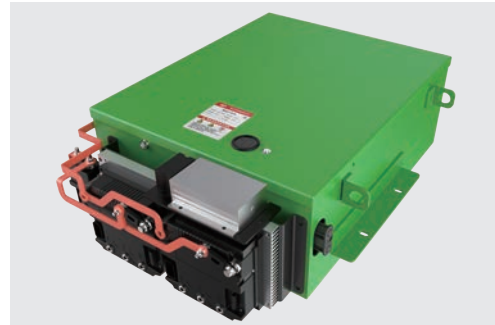
**EP EQUIPMENT CO.,LTD**  
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## FEATURE

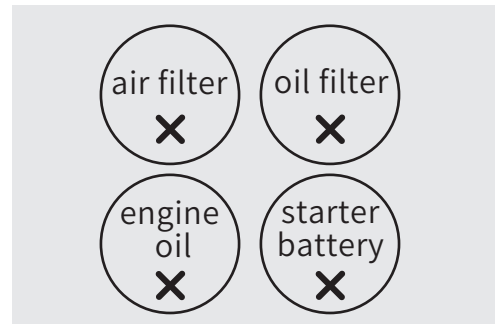
### ■ Lithium-ion technology

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.



### ■ IPX4 rated water-protected design

The EFL252 is IPX4 rated and that protects the trucks from splash of water from different angles. The water-proofed design allows the trucks to be operated outdoors, even in the rain.



### ■ 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

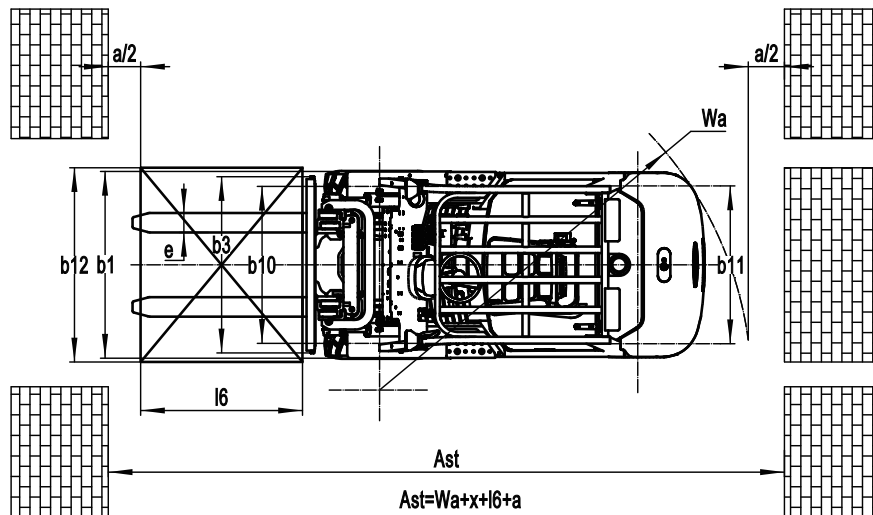
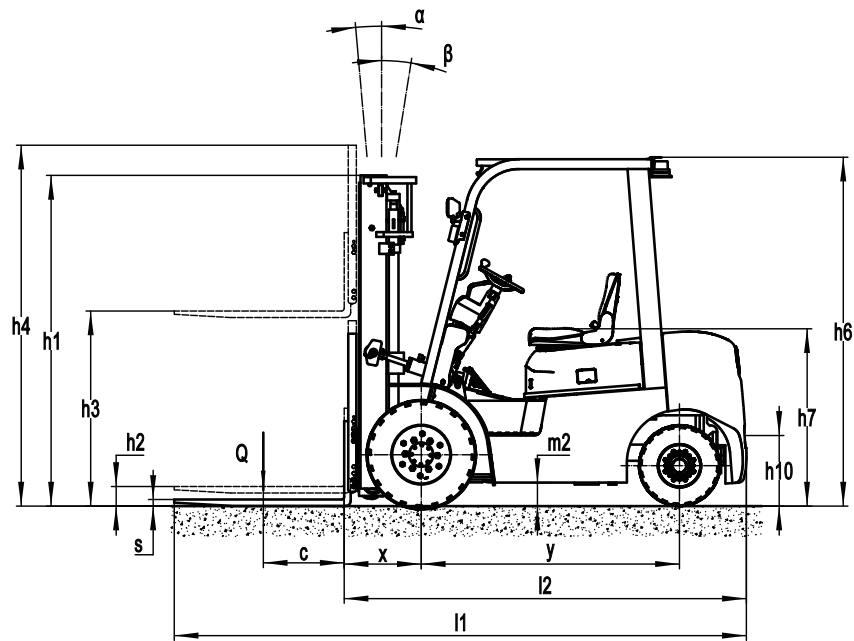


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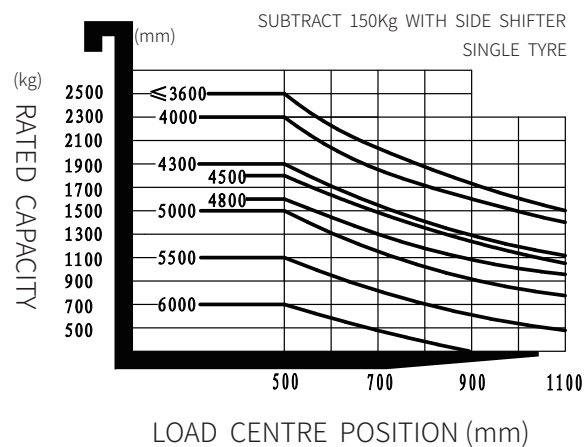
## EFL252

|                     |        |                                             |                |       |              |
|---------------------|--------|---------------------------------------------|----------------|-------|--------------|
| Distinguishing mark | 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         |
| Service weight      | 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    |
| Tyres/chassis       | 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          |
| Dimensions          | 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    | 40×122×1070  |
|                     | 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         |
| Performance data    | 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    |
| Electric-engine     | 5.11   | Parking brake                               |                |       | Mechanical   |
|                     | 6.1    | Drive motor rating S2 60 min                |                | kW    | 10           |
|                     | 6.2    | Lift motor rating at S3 15%                 |                | kW    | 16           |
|                     | 6.4    | Battery voltage/nominal capacity            |                | V/Ah  | 80V205AH     |
|                     | 6.5    | Battery weight                              |                | kg    | —            |
| Addition data       | 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



# 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           |
|                 | 3600                  | 2375                        | 4165                      | 4625          | 140                   | 140           |
|                 | 4000                  | 2625                        | 4565                      | 5025          | 140                   | 140           |
| 2-Free Mast     | 3000                  | 2035                        | 3565                      | 4025          | 1470                  | 1000          |
|                 | 3300                  | 2185                        | 3865                      | 4325          | 1620                  | 1150          |
| 3-Free Mast     | 4300                  | 2035                        | 4865                      | 5325          | 1470                  | 1000          |
|                 | 4500                  | 2115                        | 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          |

# Option

| No.                            | Optional items       | EFL252                                                                                                                                                  |
|--------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1                            | Fork dimension       | ○122*40*920●122*40*1070○122*40*1150○122*40*1220<br>○122*40*1370○122*40*1500○122*40*1600○122*40*1700<br>○122*40*1820○122*40*1900○122*40*2000○122*40*2200 |
| 1.4                            | Fork carriage width  | ●1040mm○Yes and can be customized                                                                                                                       |
| 1.5                            | Fork carriage height | ●1025mm○Yes and can be customized                                                                                                                       |
| 2.5                            | Front wheel material | ○Pneumatic○solid○Non-marking                                                                                                                            |
| 2.6                            | Rear wheel material  | ○Pneumatic○solid○Non-marking                                                                                                                            |
| 2.7                            | Battery capacity     | ●80V205AH○80V280AH○80V410AH                                                                                                                             |
| 2.8                            | Charger              | ●80V35A○80V65A○80V130A○80V200A<br>○80V35A integrated○80V60A integrated                                                                                  |
| 2.9                            | Battery indicator    | ●With time                                                                                                                                              |
| 2.10                           | Seat type            | ○Regular○Premium○Suspension<br>○Suspension+seatbelt logic switch<br>○Suspension seat with armrest(KL01)                                                 |
| 2.11                           | Attachments          | ●No○Built-in sideshifter○External shifter○Fork positioner                                                                                               |
| 2.13                           | Traction pin         | ●Yes                                                                                                                                                    |
| 3.5                            | Front lamp           | ●LED                                                                                                                                                    |
| 3.6                            | Rear lamp            | ●No○LED                                                                                                                                                 |
| 3.7                            | Warning lamp         | ●Yes                                                                                                                                                    |
| 3.8                            | Steering lamp        | ●Yes                                                                                                                                                    |
| 3.9                            | Blue lamp            | ●No○2 front○1 rear○2 front + 1 rear                                                                                                                     |
| 3.10                           | Area warning lamp    | ●No○Red, 1 left + 1 right                                                                                                                               |
| 3.11                           | Rearview mirror      | ●1 in the middle○Add rearview mirror on both sides                                                                                                      |
| 3.12                           | Horn                 | ●Yes                                                                                                                                                    |
| 3.17                           | OPS system           | ●Yes                                                                                                                                                    |
| 3.23                           | Telematics           | ●No○Yes and not customized                                                                                                                              |
| 4.3                            | Cabin                | ●No○Basic half cabin○Upgrade hald cabin○Full cabin                                                                                                      |
| 4.9                            | Heater               | ●No○Yes and not customized                                                                                                                              |
| Note: ● standard ○ option — NA |                      |                                                                                                                                                         |