

# EFL702

## 7000kg Li-ion Counterbalance Forklift



- Heavy duty 80 V Li-Ion battery truck designed around I/C implemented chassis
- Double front superelastic tyres
- High travelling, lifting speed and maximum gradeability
- Great ergonomic design with spacious legroom, adjustable steering wheel and comfortable bucket seat
- 80V Li-Ion battery grant efficiency, long autonomy and occasional charge
- Multi battery chargers fulfilling different needs



| Manufacturer                     |       |      | EP          |
|----------------------------------|-------|------|-------------|
| Model designation                |       |      | EFL702      |
| Drive                            |       |      | Electric    |
| Load capacity                    | Q     | kg   | 7000        |
| Load center distance             | c     | mm   | 600         |
| Service weight                   |       | kg   | 9600        |
| Retracted mast height            | h1    | mm   | 2500        |
| Lift height                      | h3    | mm   | 3000        |
| Height, mast extended            | h4    | mm   | 4430        |
| Length to face of forks          | l2    | mm   | 3525        |
| Overall width                    | b1/b2 | mm   | 1994        |
| Fork dimensions                  | s/e/l | mm   | 65x150x1220 |
| Turning radius                   | Wa    | mm   | 3480        |
| Travel speed, laden/unladen      |       | km/h | 14/16       |
| Lifting speed, laden/unladen     |       | m/s  | 0.35/0.4    |
| Lowering speed, laden/unladen    |       | m/s  | 0.4/0.38    |
| Max. gradeability, laden/unladen |       | %    | 15/20       |
| Drive motor rating S2 60 min     |       | kW   | 30          |
| Battery voltage/nominal capacity |       | V/Ah | 80/820      |

## FEATURE

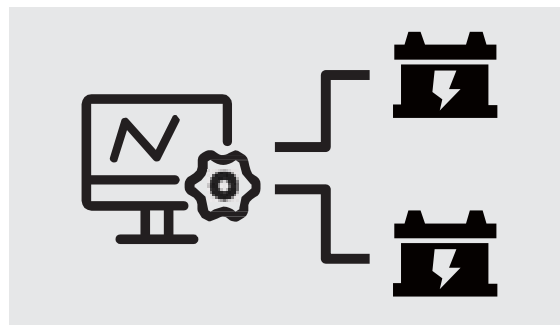
### Li-ion technology

The EFL702 adapts LFP Li-ion battery and there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck. Thanks to opportunity charging, this forklift can be charged at preferable time during the day without disrupting working schedules.



### Thoughtful control strategy for operation safety

The EFL702 comes with a BMS which consists of a master controller and two slave controllers, to lower the risks of truck suspension due to battery failure. When one slave controller is down, operators are able to drive the truck back to the shop for inspection and repair without calling for roadside assistance.



### Multi chargers fulfilling different needs

The EFL702 is equipped with an external three-phase charger as standard. To meet users' working shifts and conditions, dual chargers are available, which provides more flexibility and convenience.



### Telematics

EFL702 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



### Market-proven components providing high durability

The EFL702 features a strong chassis, which ensure a naturally long lifespan and durability.

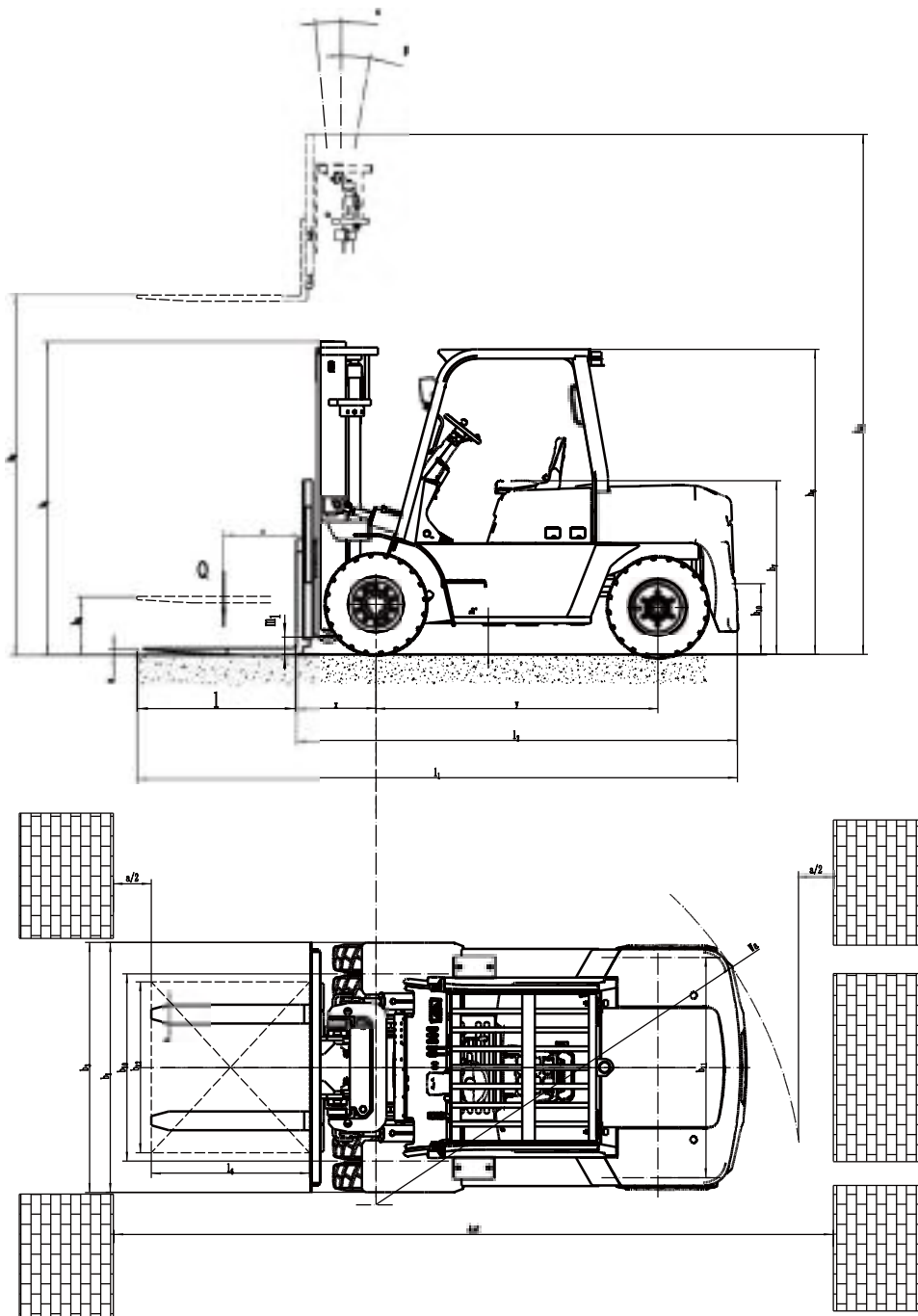


# 7.0 T Li-ion Counterbalance Forklift Truck

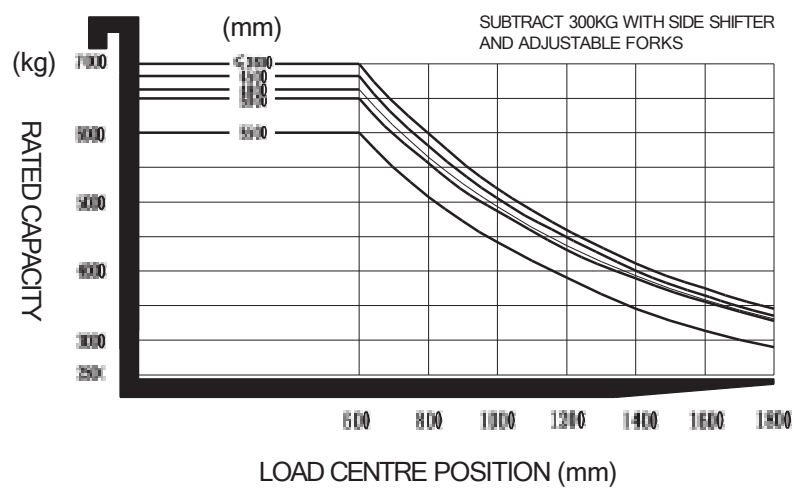
## EFL702

|        |                                             |                |       |                       |
|--------|---------------------------------------------|----------------|-------|-----------------------|
| 1.1    | Manufacturer                                |                |       | EP                    |
| 1.2    | Model designation                           |                |       | EFL702                |
| 1.3    | Drive                                       |                |       | Electric              |
| 1.4    | Operator type                               |                |       | Seated                |
| 1.5    | Load capacity                               | Q              | kg    | 7000                  |
| 1.6    | Load center distance                        | c              | mm    | 600                   |
| 1.8    | Load distance, centre of drive axle to fork | x              | mm    | 635                   |
| 1.9    | Wheelbase                                   | y              | mm    | 2250                  |
| 2.1    | Service weight                              |                | kg    | 9600                  |
| 2.2    | Axle loading, laden front/rear              |                | kg    | 15020/1580            |
| 2.3    | Axle loading, unladen front/rear            |                | kg    | 3990/5610             |
| 3.1    | Tyre type                                   |                |       | Pneumatic             |
| 3.2    | Tyre size, front                            |                |       | 8.25-15-14PR          |
| 3.3    | Tyre size, rear                             |                |       | 8.25-15-14PR          |
| 3.5    | Wheels, number front/rear (x=drive wheels)  |                | mm    | 4X/2                  |
| 3.6    | Tread width, front                          | b10            | mm    | 1470                  |
| 3.7    | Tread width, rear                           | b11            | mm    | 1700                  |
| 4.1    | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$ | °     | 6/12                  |
| 4.2    | Retracted mast height                       | h1             | mm    | 2500                  |
| 4.3    | Free lift                                   | h2             | mm    | 170                   |
| 4.4    | Lift height                                 | h3             | mm    | 3000                  |
| 4.5    | Height, mast extended                       | h4             | mm    | 4430                  |
| 4.7    | Height of overhead guard (cabin)            | h6             | mm    | 2450                  |
| 4.8    | Seat height/standing height                 | h7             | mm    | 1390                  |
| 4.12   | Tow coupling height                         | h10            | mm    | 310                   |
| 4.19   | Overall length                              | l1             | mm    | 4745                  |
| 4.20   | Length to face of forks                     | l2             | mm    | 3525                  |
| 4.21   | Overall width                               | b1/b2          | mm    | 1994                  |
| 4.22   | Fork dimensions                             | s/e/l          | mm    | 65X150X1220           |
| 4.23   | A,B Fork carriage class/type A, B           |                |       | 4A                    |
| 4.24   | Fork carriage width                         | b3             | mm    | 1995                  |
| 4.31   | Ground clearance, laden, below mast         | m1             | mm    | 160                   |
| 4.32   | Ground clearance, center of wheelbase       | m2             | mm    | 200                   |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | Ast            | mm    | 5535                  |
| 4.34.2 | Aisle width for pallets 800×1200 crossways  | Ast            | mm    | 5535                  |
| 4.35   | Turning radius                              | Wa             | mm    | 3480                  |
| 5.1    | Travel speed, laden/unladen                 |                | km/h  | 14/16                 |
| 5.2    | Lifting speed, laden/unladen                |                | m/s   | 0.35/0.4              |
| 5.3    | Lowering speed, laden/unladen               |                | m/s   | 0.4/0.38              |
| 5.5    | Drawbar pull, laden/unladen                 |                | N     | —                     |
| 5.6    | Max. drawbar pull, laden/unladen            |                | N     | 30000                 |
| 5.8    | Max. gradeability, laden/unladen            |                | %     | 15/20                 |
| 5.10   | Service brake                               |                |       | Hydraulic/ Mechanical |
| 5.11   | Parking brake                               |                |       | Mechanical            |
| 6.1    | Drive motor rating S2 60 min                |                | kW    | 30                    |
| 6.2    | Lift motor rating at S3 15%                 |                | kW    | 24.4x2                |
| 6.4    | Battery voltage/nominal capacity            |                | V/Ah  | 80V/820Ah             |
| 6.5    | Battery weight                              |                | kg    | 610                   |
| 8.1    | Type of drive control                       |                |       | AC                    |
| 10.5   | Steering design                             |                |       | Hydraulic             |
| 10.7   | Sound pressure level at the driver's ear    |                | dB(A) | < 75                  |

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 AND LOAD CENTERS GRAPH**



## Mast option:

| Mast types      | Lift height<br>( h3 ) | Height, Mast                |                           |              | Height,Free lift(h2) |               |
|-----------------|-----------------------|-----------------------------|---------------------------|--------------|----------------------|---------------|
|                 |                       | Height, mast<br>lowered(h1) | Height, mast extended(h4) |              | No backrest          | With backrest |
|                 |                       |                             | No backrest               | Withbackrest |                      |               |
|                 | mm                    | mm                          | mm                        | mm           | mm                   | mm            |
| 2-Standard Mast | 3000                  | 2510                        | 4000                      | 4430         | 130                  | 130           |
|                 | 3300                  | 2660                        | 4200                      | 4730         | 130                  | 130           |
|                 | 3500                  | 2760                        | 4500                      | 4930         | 130                  | 130           |
|                 | 4000                  | 3020                        | 5000                      | 5430         | 130                  | 130           |
|                 | 4500                  | 3310                        | 5500                      | 5930         | 130                  | 130           |
|                 | 5000                  | 3560                        | 6000                      | 6430         | 130                  | 130           |
|                 | 5500                  | 3860                        | 6500                      | 6930         | 130                  | 130           |
| 2-Free Mast     | 3000                  | 2480                        | 4000                      | 4430         | 1545                 | 1090          |
|                 | 3300                  | 2630                        | 4300                      | 4730         | 1695                 | 1240          |
|                 | 3500                  | 2730                        | 4500                      | 4930         | 1795                 | 1340          |
|                 | 4000                  | 3030                        | 5000                      | 5430         | 2095                 | 1640          |
| 3-Free Mast     | 4500                  | 2650                        | 5070                      | 5750         | 1740                 | 1285          |
|                 | 4800                  | 2765                        | 5375                      | 6050         | 1845                 | 1390          |
|                 | 5000                  | 2830                        | 5575                      | 6250         | 1910                 | 1455          |
|                 | 5400                  | 2965                        | 6150                      | 6830         | 2045                 | 1590          |
|                 | 6000                  | 3165                        | 6570                      | 7250         | 2245                 | 1790          |

## Option:

| No.                            | Optional items           | EFL702                                                                                                                                                                                                                                             |
|--------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1                            | Fork dimension           | ● 150*65*1220○150*65*1370○150*65*1520○150*65*1600○150*65*1820<br>○150*65*2100○150*65*2200○150*65*2420○150*65*2500                                                                                                                                  |
| 1.4                            | Fork carriage width      | ● 1845mm○Yes and can be customized                                                                                                                                                                                                                 |
| 1.5                            | Fork carriage height     | ● 1345mm○Yes and can be customized                                                                                                                                                                                                                 |
| 2.5                            | Front wheel material     | ● Pneumatic○Solid○No-marking solid                                                                                                                                                                                                                 |
| 2.6                            | Rear wheel material      | ● Pneumatic○Solid○No-marking solid                                                                                                                                                                                                                 |
| 2.7                            | Battery capacity         | ● 80V820AH                                                                                                                                                                                                                                         |
| 2.8                            | Charger                  | ● 80V200A ○80V130A+80V130A ○80V200A+80V200A                                                                                                                                                                                                        |
| 2.9                            | Battery indicator        | ● With time                                                                                                                                                                                                                                        |
| 2.10                           | Seat type                | ● Suspension                                                                                                                                                                                                                                       |
| 2.11                           | Attachments              | ● No○External shifter○Fork positioner                                                                                                                                                                                                              |
| 2.13                           | Traction pin             | ● Yes                                                                                                                                                                                                                                              |
| 2.14                           | Electrostatic chain      | ● 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○1 left, 1 right (Red)                                                                                                                                                                                                                         |
| 3.11                           | Rearview mirror          | ● 1 in the middle○ Add 1 rearview mirror on both side                                                                                                                                                                                              |
| 3.12                           | Buzzer                   | ● Yes                                                                                                                                                                                                                                              |
| 3.17                           | OPS system               | ● Yes                                                                                                                                                                                                                                              |
| 3.23                           | Telematics               | ● Yes                                                                                                                                                                                                                                              |
| 4.3                            | Cabin                    | ● No○Basic half cabin: window with wiper, ceiling, water injector for wiper<br>○ upgraded half cabin: Basic half cabin +rear window with wiper, fan, water injector for wiper<br>○ Full cabin: upgraded half cabin+doors, water injector for wiper |
| 4.9                            | Heater                   | ● No○Yes and not customized(Only for full cabin)                                                                                                                                                                                                   |
| 4.10                           | water injector for wiper | ○ Yes and not customized                                                                                                                                                                                                                           |
| Note: ● standard ○ option — NA |                          |                                                                                                                                                                                                                                                    |



## Fully Closed Cabin (Option)

