

# EFL253/303 /353(S/P) 2500/3000/3500kg Counterbalance Forklift



- Heavy duty 80 V Li-Ion battery truck designed around I/C implemented chassis
- High ground clearance and big tires for perfect handling and traction in every environment
- Great ergonomic design with spacious legroom, adjustable steering wheel and comfortable bucket seat
- High-resolution LED display installed at the upper right corner of the cabin
- Outdoor behavior with high-visibility closed roof and cabin options
- B, S, P version offering different performances to meet all kinds of applications



| Manufacturer                     |       |      | EP          | EP          | EP          |
|----------------------------------|-------|------|-------------|-------------|-------------|
| Model designation                |       |      | EFL303      | EFL303S     | EFL303P     |
| Drive                            |       |      | Electric    | Electric    | Electric    |
| Load capacity                    | Q     | kg   | 3000        | 3000        | 3000        |
| Load center distance             | c     | mm   | 500         | 500         | 500         |
| Service weight                   |       |      | 4280        | 4305        | 4640        |
| Retracted mast height            | h1    | mm   | 2070        | 2070        | 2070        |
| Lift height                      | h3    | mm   | 3000        | 3000        | 3000        |
| Height, mast extended            | h4    | mm   | 4095        | 4095        | 4095        |
| Length to face of forks          | l2    | mm   | 2540        | 2540        | 2540        |
| Overall width                    | b1/b2 | mm   | 1210        | 1210        | 1210        |
| Fork dimensions                  | s/e/l | mm   | 45/122/1070 | 45/122/1070 | 45/122/1070 |
| Turning radius                   | Wa    | mm   | 2347        | 2347        | 2347        |
| Travel speed, laden/unladen      |       | km/h | 11/12       | 16/17       | 19/20       |
| Lifting speed, laden/unladen     |       | m/s  | 0.29/0.36   | 0.4/0.5     | 0.48/0.54   |
| Lowering speed, laden/unladen    |       | m/s  | 0.43/0.44   | 0.43/0.44   | 0.43/0.44   |
| Max. gradeability, laden/unladen |       | %    | 15/15       | 20/25       | 22/28       |
| Drive motor rating S2 60 min     |       | kW   | 10          | 17          | 17          |
| Battery voltage/nominal capacity |       | V/Ah | 80V205AH    | 80V230AH    | 80V460AH    |

## FEATURE

### Higher performance for productivity boost

Max travel speed 19/20km/h to cover diverse intralogistics application needs.

Max battery capacity 80V/560Ah and max charging current 200A for longer uptime and fast charging.

Max gradeability 22/28% to deliver better stability on ramps.

Max lifting speed 0.48/0.54m/s for greater efficiency.



### The truck structure integrates aesthetics and practical design

Both practicality and beauty are reflected in the design of the new EFL series. It inherits the robust chassis of the T8 IC truck series and features a more streamlined and compact counterweight, to better fit in confined space. Plus, the rain-proofed charging port protects the port from water splash and ensures charging safety.



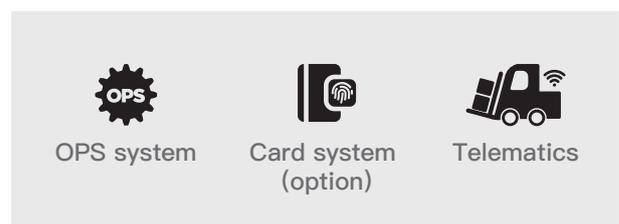
### Lithium technology to replace internal combustion engine

The lithium technology has proven itself as an emission-free and maintenance-free alternative to diesel. The new generation of EFL series handles loads with consistently high performance due to opportunity charging even for the most demanding applications.



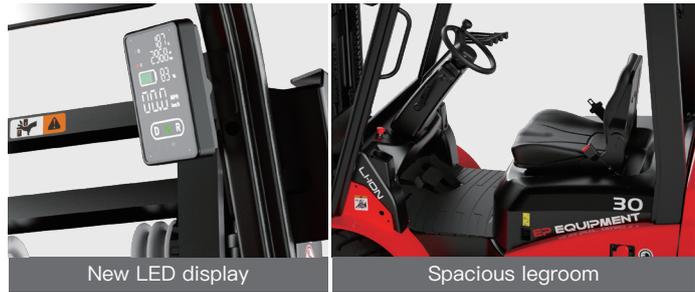
### Multi-functions for safe operation and easy fleet management

The new EFL series is equipped with a variety of functional configurations, such as OPS system, Telematics and card system, which not only takes security as priority but also reinforce easier fleet management.



■ Ergonomic improvements for comfortable operation

The workspace of the new EFL series is more spacious with a simplified panel and a comfortable pedal. The series features a new LED display that clearly shows speed, working hours, battery status, mileage and parking status so the operator can easily grasp the truck conditions just with a glance.



New LED display

Spacious legroom

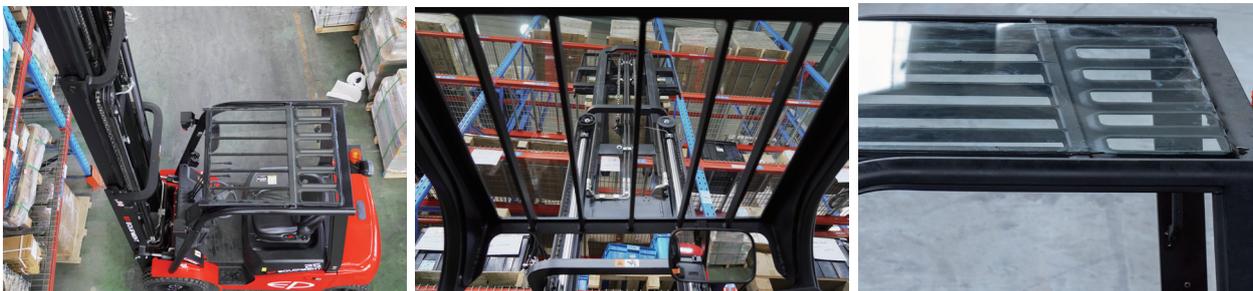
■ Joystick option available for fatigue-free work

The S/P version can be equipped with hydraulic joystick controls instead of mechanical levers. Positioned at the end of the armrest operations can be done just with fingers, increasing the operator ergonomics through the following controls: all fork hydraulic control including the 4th way, driving direction (F-N-B), horn, emergency stop button.



■ Outdoor behavior with high-visibility closed roof and cabin options

The bolted overhead guard is fitted as standard with a new closed roof made of tempered glass and flat high-strength steel bars, offering the highest visibility in the category. It enables safe load handling at all heights and increases productivity by increasing the number of pallet movements. Outdoor performance can be enhanced with cabin options such as front windshield, semi-cab, full cabin, heater and A/C. For added flexibility, the front windshield and semi cabin can be offered in a retrofit kit for easy installation by dealers.



New closed roof



Full cabin



Semi-cabin retrofit kit



Dashboard with orientable heater outlet

# Li-ion counterbalance forklift 2.5T

## EFL253/253S/253P

|                     |                |   |                |       |              |              |              |
|---------------------|----------------|---|----------------|-------|--------------|--------------|--------------|
| Distinguishing mark | 1.1            | Manufacturer                                |                |       | EP           | EP           | EP           |
|                     | 1.2            | Model designation                           |                |       | EFL253       | EFL253S      | EFL253P      |
|                     | 1.3            | Drive                                       |                |       | Electric     | Electric     | Electric     |
|                     | 1.4            | Operator type                               |                |       | Seated       | Seated       | Seated       |
|                     | 1.5            | Load capacity                               | Q              | kg    | 2500         | 2500         | 2500         |
|                     | 1.6            | Load center distance                        | c              | mm    | 500          | 500          | 500          |
|                     | 1.8            | Load distance, centre of drive axle to fork | x              | mm    | 495          | 495          | 495          |
|                     | 1.9            | Wheelbase                                   | y              | mm    | 1740         | 1740         | 1740         |
|                     | Service weight | 2.1   | Service weight |       | kg           | 3780         | 3955         |
| 2.2                 |                | Axle loading, laden front/rear              |                | kg    | 5720/560     | 5795/660     | 5865/660     |
| 2.3                 |                | Axle loading, unladen front/rear            |                | kg    | 1805/1990    | 1865/2090    | 1935/2090    |
| Tyres/chassis       | 3.1            | Tyre type                                   |                |       | Solid rubber | Solid rubber | Solid rubber |
|                     | 3.2            | Tyre size, front                            |                |       | 7.00-12      | 7.00-12      | 7.00-12      |
|                     | 3.3            | Tyre size, rear                             |                |       | 18X7-8       | 18X7-8       | 18X7-8       |
|                     | 3.5            | Wheels, number front/rear (x=drive wheels)  |                | mm    | 2x/ 2        | 2x/ 2        | 2x/ 2        |
|                     | 3.6            | Tread width, front                          | b10            | mm    | 975          | 975          | 975          |
|                     | 3.7            | Tread width, rear                           | b11            | mm    | 955          | 955          | 955          |
|                     | 4.1            | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$ | °     | 6/ 10        | 6/ 10        | 6/ 10        |
| Dimensions          | 4.2            | Retracted mast height                       | h1             | mm    | 2090         | 2090         | 2090         |
|                     | 4.3            | Free lift                                   | h2             | mm    | 120          | 120          | 120          |
|                     | 4.4            | Lift height                                 | h3             | mm    | 3000         | 3000         | 3000         |
|                     | 4.5            | Height, mast extended                       | h4             | mm    | 4025         | 4025         | 4025         |
|                     | 4.7            | Height of overhead guard (cabin)            | h6             | mm    | 2165         | 2165         | 2165         |
|                     | 4.8            | Seat height/standing height                 | h7             | mm    | 1095         | 1095         | 1095         |
|                     | 4.12           | Tow coupling height                         | h10            | mm    | 330          | 330          | 330          |
|                     | 4.19           | Overall length                              | l1             | mm    | 3600         | 3600         | 3600         |
|                     | 4.20           | Length to face of forks                     | l2             | mm    | 2530         | 2530         | 2530         |
|                     | 4.21           | Overall width                               | b1/b2          | mm    | 1154         | 1154         | 1154         |
|                     | 4.22           | Fork dimensions                             | s/e/l          | mm    | 40×122×1070  | 40×122×1070  | 40×122×1070  |
|                     | 4.23           | A,B Fork carriage class/type A, B           |                |       | 2A           | 2A           | 2A           |
|                     | 4.24           | Fork carriage width                         | b3             | mm    | 1040         | 1040         | 1040         |
|                     | 4.31           | Ground clearance, laden, below mast         | m1             | mm    | 125          | 125          | 125          |
|                     | 4.32           | Ground clearance, center of wheelbase       | m2             | mm    | 170          | 170          | 170          |
|                     | 4.34.1         | Aisle width for pallets 1000×1200 crossways | Ast            | mm    | 4000         | 4000         | 4000         |
|                     | 4.34.2         | Aisle width for pallets 800×1200 lengthways | Ast            | mm    | 4200         | 4200         | 4200         |
| 4.35                | Turning radius | Wa  | mm             | 2305  | 2305         | 2305         |              |
| Performance data    | 5.1            | Travel speed, laden/unladen                 |                | km/h  | 11/12        | 16/17        | 19/20        |
|                     | 5.2            | Lifting speed, laden/unladen                |                | m/s   | 0.29/0.36    | 0.4/0.5      | 0.48/0.54    |
|                     | 5.3            | Lowering speed, laden/unladen               |                | m/s   | 0.43/0.44    | 0.43/0.44    | 0.43/0.44    |
|                     | 5.5            | Drawbar pull, laden/unladen                 |                | N     | —            | —            | —            |
|                     | 5.6            | Max. drawbar pull, laden/unladen            |                | N     | —            | —            | —            |
|                     | 5.8            | Max. gradeability, laden/unladen            |                | %     | 15/15        | 20/25        | 22/28        |
| Electric-engine     | 5.10           | Service brake                               |                |       | Hydraulic    | Hydraulic    | Hydraulic    |
|                     | 5.11           | Parking brake                               |                |       | Mechanical   | Mechanical   | Mechanical   |
| Electric-engine     | 6.1            | Drive motor rating S2 60 min                |                | kW    | 10           | 17           | 17           |
|                     | 6.2            | Lift motor rating at S3 15%                 |                | kW    | 16           | 26           | 26           |
|                     | 6.4            | Battery voltage/nominal capacity            |                | V/Ah  | 80V205AH     | 80V230AH     | 80V280AH     |
|                     | 6.5            | Battery weight                              |                | kg    | —            | —            | —            |
| Addition data       | 8.1            | Type of drive control                       |                |       | AC           | AC           | AC           |
|                     | 10.5           | Steering design                             |                |       | Hydraulic    | Hydraulic    | Hydraulic    |
|                     | 10.7           | Sound pressure level at the driver's ear    |                | dB(A) | < 74         | < 74         | < 74         |

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

# Li-ion counterbalance forklift 3.0T

## EFL303/303S/303P

|                     |   |   |                |            |              |              |              |
|---------------------|---|---|----------------|------------|--------------|--------------|--------------|
| Distinguishing mark | 1.1   | Manufacturer                                |                |            | EP           | EP           | EP           |
|                     | 1.2   | Model designation                           |                |            | EFL303       | EFL303S      | EFL303P      |
|                     | 1.3   | Drive                                       |                |            | Electric     | Electric     | Electric     |
|                     | 1.4   | Operator type                               |                |            | Seated       | Seated       | Seated       |
|                     | 1.5   | Load capacity                               | Q              | kg         | 3000         | 3000         | 3000         |
|                     | 1.6   | Load center distance                        | c              | mm         | 500          | 500          | 500          |
|                     | 1.8   | Load distance, centre of drive axle to fork | x              | mm         | 481          | 481          | 481          |
|                     | 1.9   | Wheelbase                                   | y              | mm         | 1740         | 1740         | 1740         |
|                     | Service weight                              | 2.1   | Service weight |            | kg           | 4280         | 4305         |
| 2.2                 |   | Axle loading, laden front/rear              |                | kg         | 6595/685     | 6575/730     | 6665/975     |
| 2.3                 |   | Axle loading, unladen front/rear            |                | kg         | 1900/2380    | 1880/2425    | 1970/2670    |
| Tyres/chassis       | 3.1   | Tyre type                                   |                |            | Solid rubber | Solid rubber | Solid rubber |
|                     | 3.2   | Tyre size, front                            |                |            | 28X9-15      | 28X9-15      | 28X9-15      |
|                     | 3.3   | Tyre size, rear                             |                |            | 18x7-8       | 200/50-10    | 200/50-10    |
|                     | 3.5   | Wheels, number front/rear (x=drive wheels)  |                | mm         | 2x/ 2        | 2x/ 2        | 2x/ 2        |
|                     | 3.6   | Tread width, front                          | b10            | mm         | 1010         | 1010         | 1010         |
|                     | 3.7   | Tread width, rear                           | b11            | mm         | 955          | 955          | 960          |
| Dimensions          | 4.1   | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$ | °          | 6/ 10        | 6/ 10        | 6/ 10        |
|                     | 4.2   | Retracted mast height                       | h1             | mm         | 2070         | 2070         | 2070         |
|                     | 4.3   | Free lift                                   | h2             | mm         | 135          | 135          | 135          |
|                     | 4.4   | Lift height                                 | h3             | mm         | 3000         | 3000         | 3000         |
|                     | 4.5   | Height, mast extended                       | h4             | mm         | 4095         | 4095         | 4095         |
|                     | 4.7   | Height of overhead guard (cabin)            | h6             | mm         | 2180         | 2180         | 2180         |
|                     | 4.8   | Seat height/standing height                 | h7             | mm         | 1110         | 1110         | 1110         |
|                     | 4.12  | Tow coupling height                         | h10            | mm         | 345          | 345          | 345          |
|                     | 4.19  | Overall length                              | l1             | mm         | 3610         | 3610         | 3610         |
|                     | 4.20  | Length to face of forks                     | l2             | mm         | 2540         | 2540         | 2540         |
|                     | 4.21  | Overall width                               | b1/b2          | mm         | 1210         | 1210         | 1210         |
|                     | 4.22  | Fork dimensions                             | s/e/l          | mm         | 45×122×1070  | 45×122×1070  | 45×122×1070  |
|                     | 4.23  | A,B Fork carriage class/type A, B           |                |            | 3A           | 3A           | 3A           |
|                     | 4.24  | Fork carriage width                         | b3             | mm         | 1100         | 1100         | 1100         |
|                     | 4.31  | Ground clearance, laden, below mast         | m1             | mm         | 130          | 130          | 130          |
|                     | 4.32  | Ground clearance, center of wheelbase       | m2             | mm         | 185          | 185          | 145          |
|                     | 4.34.1                                      | Aisle width for pallets 1000×1200 crossways | Ast            | mm         | 4028         | 4028         | 4028         |
| 4.34.2              | Aisle width for pallets 800×1200 lengthways | Ast   | mm             | 4228       | 4228         | 4228         |              |
| 4.35                | Turning radius                              | Wa  | mm             | 2347       | 2347         | 2347         |              |
| Performance data    | 5.1   | Travel speed, laden/unladen                 |                | km/h       | 11/12        | 16/17        | 19/20        |
|                     | 5.2   | Lifting speed, laden/unladen                |                | m/s        | 0.29/0.36    | 0.4/0.5      | 0.48/0.54    |
|                     | 5.3   | Lowering speed, laden/unladen               |                | m/s        | 0.43/0.44    | 0.43/0.44    | 0.43/0.44    |
|                     | 5.5   | Drawbar pull, laden/unladen                 |                | N          | —            | —            | —            |
|                     | 5.6   | Max. drawbar pull, laden/unladen            |                | N          | —            | —            | —            |
|                     | 5.8   | Max. gradeability, laden/unladen            |                | %          | 15/15        | 20/25        | 22/28        |
|                     | 5.10  | Service brake                               |                |            | Hydraulic    | Hydraulic    | Hydraulic    |
| 5.11                | Parking brake                               |   |                | Mechanical | Mechanical   | Mechanical   |              |
| Electric-engine     | 6.1   | Drive motor rating S2 60 min                |                | kW         | 10           | 17           | 17           |
|                     | 6.2   | Lift motor rating at S3 15%                 |                | kW         | 16           | 26           | 26           |
|                     | 6.4   | Battery voltage/nominal capacity            |                | V/Ah       | 80V205AH     | 80V230AH     | 80V460AH     |
|                     | 6.5   | Battery weight                              |                | kg         | —            | —            | —            |
| Additional data     | 8.1   | Type of drive control                       |                |            | AC           | AC           | AC           |
|                     | 10.5  | Steering design                             |                |            | Hydraulic    | Hydraulic    | Hydraulic    |
|                     | 10.7  | Sound pressure level at the driver's ear    |                | dB(A)      | < 74         | < 74         | < 74         |

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

# Li-ion counterbalance forklift 3.5T

## EFL353/353S/353P

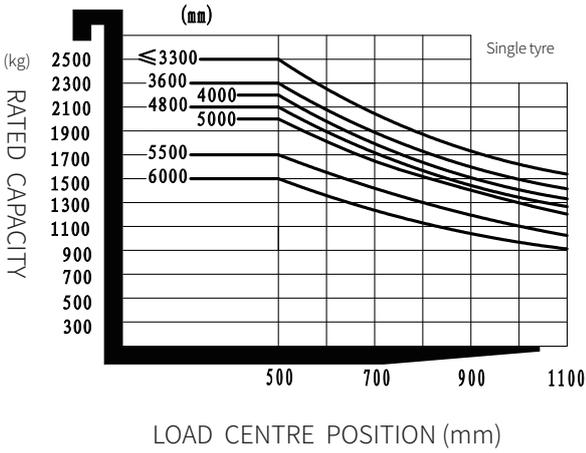
|                     |                 |   |   |                |              |              |              |       |
|---------------------|-----------------|---|---|----------------|--------------|--------------|--------------|-------|
| Distinguishing mark | 1.1             | Manufacturer                                |   |                | EP           | EP           | EP           |       |
|                     | 1.2             | Model designation                           |   |                | EFL353       | EFL353S      | EFL353P      |       |
|                     | 1.3             | Drive unit                                  |   |                | Electric     | Electric     | Electric     |       |
|                     | 1.4             | Operator type                               |   |                | Seated       | Seated       | Seated       |       |
|                     | 1.5             | rated capacity                              | Q   | kg             | 3500         | 3500         | 3500         |       |
|                     | 1.6             | Load center distance                        | c   | mm             | 500          | 500          | 500          |       |
|                     | 1.8             | Load distance, centre of drive axle to fork | x   | mm             | 486          | 486          | 486          |       |
|                     | 1.9             | Wheelbase                                   | y   | mm             | 1740         | 1740         | 1740         |       |
|                     | Service weight  | 2.1   | Service weight                              |                | kg           | 4570         | 4625         | 5000  |
| 2.2                 |                 | Axle loading, laden front/rear              |   | kg             | 7415/655     | 7355/770     | 7450/1050    |       |
| 2.3                 |                 | Axle loading, unladen front/rear            |   | kg             | 1930/2640    | 1870/2755    | 1950/3050    |       |
| Tyres/chassis       | 3.1             | Tyre type                                   |   |                | Solid rubber | Solid rubber | Solid rubber |       |
|                     | 3.2             | Tyre size, front                            |   | mm             | 28X9-15      | 28X9-15-     | 28X9-15      |       |
|                     | 3.3             | Tyre size, rear                             |   | mm             | 18X7-8       | 200/50-10    | 200/50-10    |       |
|                     | 3.5             | Wheels, number front/rear (x=drive wheels)  |   | mm             | 2x/ 2        | 2x/ 2        | 2x/ 2        |       |
|                     | 3.6             | Tread, front                                | b10   | mm             | 1010         | 1010         | 1010         |       |
|                     | 3.7             | Tread, rear                                 | b11   | mm             | 955          | 955          | 960          |       |
|                     | Dimensions      | 4.1   | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$ | °            | 6/ 10        | 6/ 10        | 6/ 10 |
| 4.2                 |                 | Height, mast lowered                        | h1  | mm             | 2070         | 2070         | 2070         |       |
| 4.3                 |                 | Free lift                                   | h2  | mm             | 135          | 135          | 135          |       |
| 4.4                 |                 | Lift height                                 | h3  | mm             | 3000         | 3000         | 3000         |       |
| 4.5                 |                 | Height, mast extended                       | h4  | mm             | 4095         | 4095         | 4095         |       |
| 4.7                 |                 | Height of overhead/ guard cabin             | h6  | mm             | 2180         | 2180         | 2180         |       |
| 4.8                 |                 | Seat height/standing height                 | h7  | mm             | 1110         | 1110         | 1110         |       |
| 4.12                |                 | Tow coupling height                         | h10   | mm             | 345          | 345          | 345          |       |
| 4.19                |                 | Overall length                              | l1  | mm             | 3688         | 3688         | 3688         |       |
| 4.20                |                 | Length to face of forks                     | l2  | mm             | 2618         | 2618         | 2618         |       |
| 4.21                |                 | Overall width                               | b1/b2                                       | mm             | 1210         | 1210         | 1210         |       |
| 4.22                |                 | Fork dimensions                             | s/e/l                                       | mm             | 50×122×1070  | 50×122×1070  | 50×122×1070  |       |
| 4.23                |                 | A,B Fork carriage class/type A, B           |   |                | 3A           | 3A           | 3A           |       |
| 4.24                |                 | Fork carriage width                         | b3  | mm             | 1100         | 1100         | 1100         |       |
| 4.31                |                 | Ground clearance, laden, below mast         | m1  | mm             | 130          | 130          | 130          |       |
| 4.32                |                 | Ground clearance, center of wheelbase       | m2  | mm             | 185          | 185          | 145          |       |
| 4.34.1              |                 | Aisle width for pallets 1000×1200 crossways | Ast   | mm             | 4091         | 4091         | 4091         |       |
| 4.34.2              |                 | Aisle width for pallets 800×1200 crossways  | Ast   | mm             | 4291         | 4291         | 4291         |       |
| 4.35                |                 | turning radius                              | Wa  | mm             | 2405         | 2405         | 2405         |       |
| Performance data    |                 | 5.1   | Travel speed, laden/unladen                 |                | km/ h        | 11/12        | 16/17        | 19/20 |
|                     | 5.2             | Lifting speed, laden/unladen                |   | m/s            | 0.28/0.36    | 0.4/0.5      | 0.42/0.55    |       |
|                     | 5.3             | Lowering speed, laden/unladen               |   | m/s            | 0.43/0.44    | 0.43/0.44    | 0.43/0.44    |       |
|                     | 5.5             | Drawbar pull, laden/unladen                 |   | N              | —            | —            | —            |       |
|                     | 5.6             | Max. drawbar pull, laden/unladen            |   | N              | —            | —            | —            |       |
|                     | 5.8             | Max. gradeability, laden/unladen            |   | %              | 15/15        | 18/25        | 20/28        |       |
|                     | 5.10            | Service brake                               |   |                | Hydraulic    | Hydraulic    | Hydraulic    |       |
|                     | 5.11            | Parking brake                               |   |                | Mechanical   | Mechanical   | Mechanical   |       |
|                     | Electric-engine | 6.1   | Drive motor rating S2 60 min                |                | kW           | 10           | 17           | 17    |
|                     |                 | 6.2   | Lift motor rating at S3 15%                 |                | kW           | 16           | 26           | 26    |
| 6.4                 |                 | Battery voltage/nominal capacity            |   | V/Ah           | 80V280AH     | 80V280AH     | 80V460AH     |       |
| 6.5                 |                 | Battery weight                              |   | kg             | —            | —            | —            |       |
| Additional data     |                 | 8.1   | Type of drive unit                          |                |              | AC           | AC           | AC    |
|                     | 10.5            | Steering design                             |   |                | Hydraulic    | Hydraulic    | Hydraulic    |       |
|                     | 10.7            | Sound pressure level at the driver's ear    |   | dB(A)          | < 74         | < 74         | < 74         |       |

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

**EFL253(S)**

**RATED CAPACITIES AND LOAD CENTERS GRAPH**

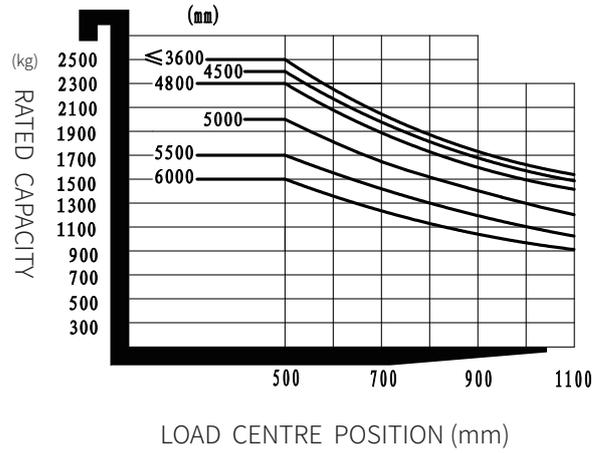
SUBTRACT 100Kg WITH SIDE SHIFTER



**EFL253P**

**RATED CAPACITIES AND LOAD CENTERS GRAPH**

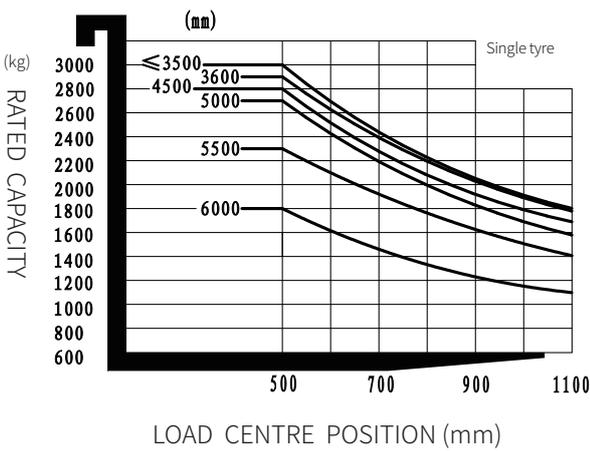
SUBTRACT 100Kg WITH SIDE SHIFTER



**EFL303(S, P)**

**RATED CAPACITIES AND LOAD CENTERS GRAPH**

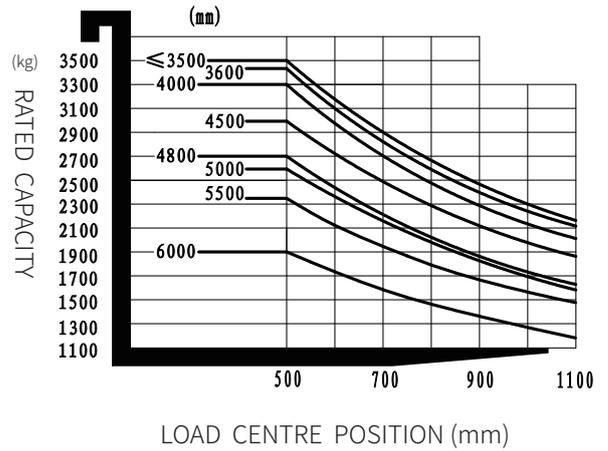
SUBTRACT 100Kg WITH SIDE SHIFTER

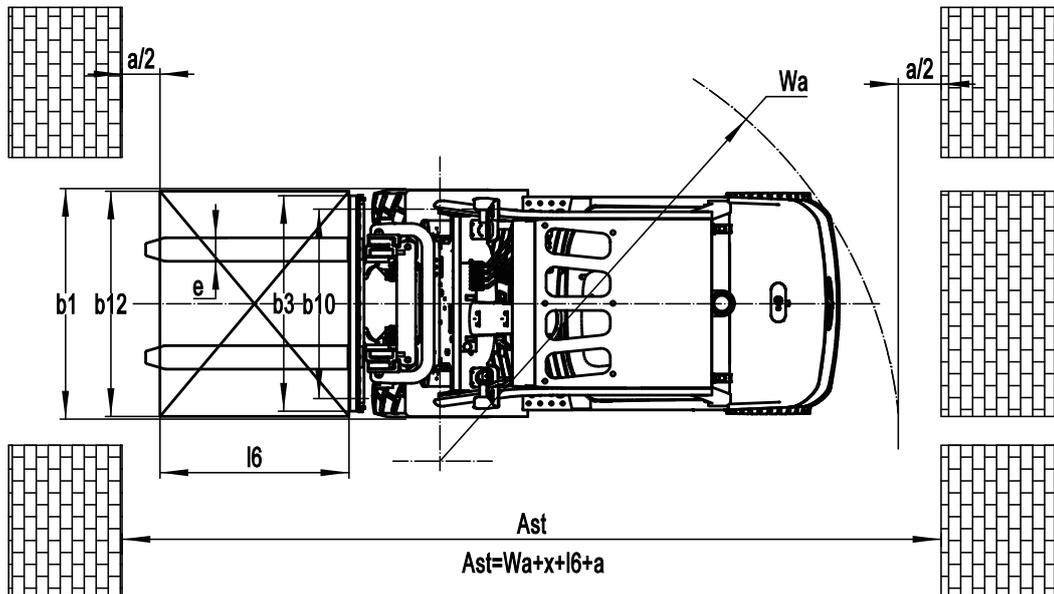
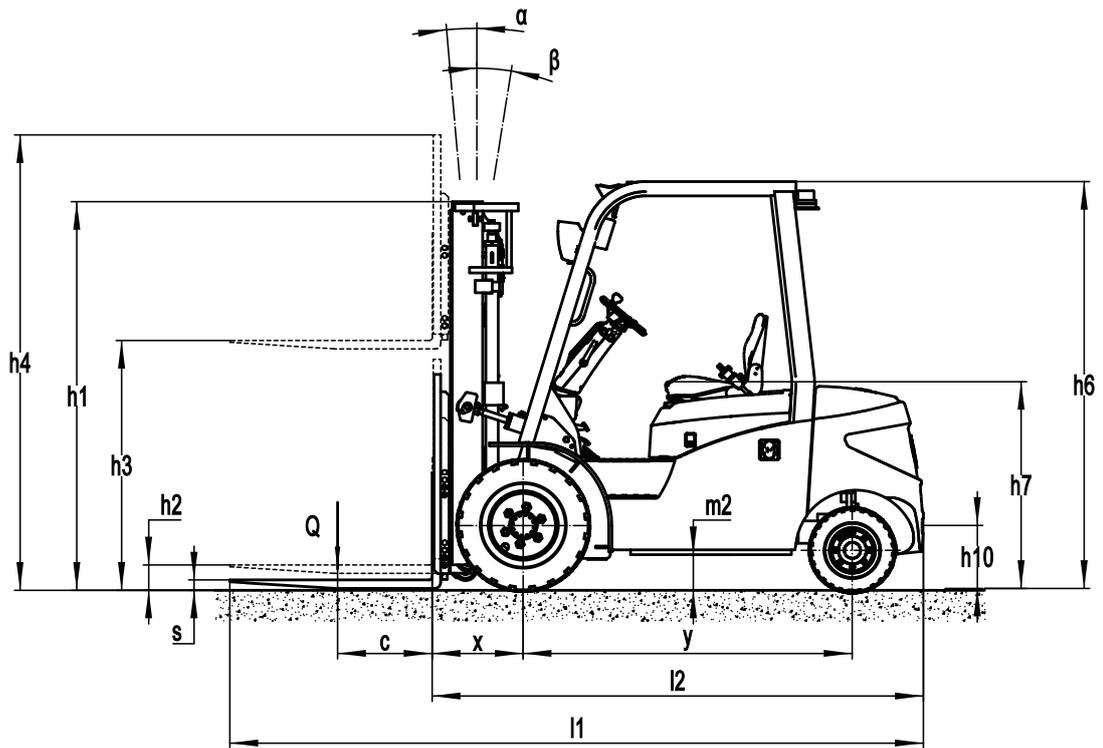


**EFL353(S, P)**

**RATED CAPACITIES AND LOAD CENTERS GRAPH**

SUBTRACT 100Kg WITH SIDE SHIFTER





# Mast Option

## EFL253

| Mast types      | Lift height (h3) | Height, Mast             |                           |               | Height, Free lift(h2) |               |
|-----------------|------------------|--------------------------|---------------------------|---------------|-----------------------|---------------|
|                 |                  | Height, mast lowered(h1) | Height, mast extended(h4) |               | No shelving           | With shelving |
|                 |                  |                          | No shelving               | With shelving |                       |               |
|                 | mm               | mm                       | mm                        | mm            | mm                    | mm            |
| 2-Standard Mast | 3000             | 2090                     | 3595                      | 4060          | 120                   | 120           |
|                 | 3300             | 2240                     | 3895                      | 4360          | 120                   | 120           |
|                 | 3500             | 2340                     | 4095                      | 4560          | 120                   | 120           |
|                 | 3600             | 2390                     | 4195                      | 4660          | 120                   | 120           |
|                 | 4000             | 2640                     | 4595                      | 5060          | 120                   | 120           |
|                 | 4500             | 2890                     | 5095                      | 5560          | 120                   | 120           |
| 2-Free Mast     | 3000             | 2035                     | 3765                      | 4100          | 1345                  | 1010          |
|                 | 3300             | 2185                     | 4065                      | 4400          | 1495                  | 1160          |
|                 | 3600             | 2335                     | 4365                      | 4700          | 1645                  | 1310          |
| 3-Free Mast     | 4300             | 2035                     | 5020                      | 5355          | 1470                  | 1010          |
|                 | 4500             | 2115                     | 5260                      | 5595          | 1550                  | 1090          |
|                 | 4800             | 2220                     | 5560                      | 5895          | 1655                  | 1195          |
|                 | 5000             | 2305                     | 5710                      | 6045          | 1740                  | 1280          |
|                 | 5500             | 2555                     | 6210                      | 6545          | 1990                  | 1530          |
|                 | 6000             | 2805                     | 6710                      | 7045          | 2240                  | 1780          |

## EFL303/353

| Mast types      | Lift height (h3) | Height, Mast             |                           |               | Height, Free lift(h2) |               |
|-----------------|------------------|--------------------------|---------------------------|---------------|-----------------------|---------------|
|                 |                  | Height, mast lowered(h1) | Height, mast extended(h4) |               | No shelving           | With shelving |
|                 |                  |                          | No shelving               | With shelving |                       |               |
|                 | mm               | mm                       | mm                        | mm            | mm                    | mm            |
| 2-Standard Mast | 2700             | 1915                     | 3365                      | 3830          | 135                   | 135           |
|                 | 3000             | 2065                     | 3665                      | 4130          | 135                   | 135           |
|                 | 3300             | 2215                     | 3965                      | 4430          | 135                   | 135           |
|                 | 3500             | 2315                     | 4165                      | 4630          | 135                   | 135           |
|                 | 3600             | 2365                     | 4265                      | 4730          | 135                   | 135           |
|                 | 4000             | 2615                     | 4665                      | 5130          | 135                   | 135           |
|                 | 4500             | 2865                     | 5165                      | 5630          | 135                   | 135           |
| 2-Free Mast     | 3000             | 2045                     | 3740                      | 4175          | 1385                  | 950           |
|                 | 3300             | 2195                     | 4040                      | 4475          | 1535                  | 1100          |
|                 | 3600             | 2345                     | 4340                      | 4775          | 1685                  | 1250          |
| 3-Free Mast     | 4300             | 2045                     | 4980                      | 5430          | 1400                  | 950           |
|                 | 4500             | 2125                     | 5220                      | 5670          | 1480                  | 1030          |
|                 | 4800             | 2230                     | 5520                      | 5970          | 1550                  | 1100          |
|                 | 5000             | 2315                     | 5670                      | 6120          | 1670                  | 1220          |
|                 | 5500             | 2565                     | 6170                      | 6620          | 1920                  | 1470          |
|                 | 6000             | 2815                     | 6670                      | 7120          | 2170                  | 1720          |

# Option

| No.  | Optional items                            | EFL253  | EFL253S   | EFL253P   |
|------|---|---|---|---|
| 1.1  | Fork dimension                            | <ul style="list-style-type: none"> <li>○122*40*920○122*40*1070</li> <li>○122*40*1150○122*40*1220</li> <li>○122*40*1370○122*40*1500</li> <li>○122*40*1600○122*40*1700</li> <li>○122*40*1820○122*40*1900</li> <li>○122*40*2000○122*40*2200</li> </ul> | <ul style="list-style-type: none"> <li>○122*40*920○122*40*1070</li> <li>○122*40*1150○122*40*1220</li> <li>○122*40*1370○122*40*1500</li> <li>○122*40*1600○122*40*1700</li> <li>○122*40*1820○122*40*1900</li> <li>○122*40*2000○122*40*2200</li> </ul> | <ul style="list-style-type: none"> <li>○122*40*920○122*40*1070</li> <li>○122*40*1150○122*40*1220</li> <li>○122*40*1370○122*40*1500</li> <li>○122*40*1600○122*40*1700</li> <li>○122*40*1820○122*40*1900</li> <li>○122*40*2000○122*40*2200</li> </ul> |
| 1.4  | Fork carriage width                       | ●1040mm○Yes and can be customized   | ●1040mm○Yes and can be customized   | ●1040mm○Yes and can be customized   |
| 1.5  | Fork carriage height                      | ●1025mm○Yes and can be customized   | ●1025mm○Yes and can be customized   | ●1025mm○Yes and can be customized   |
| 2.4  | Front wheel type                          | ●Single○Double  | ●Single○Double  | ●Single○Double  |
| 2.5  | Front wheel material                      | ○Pneumatic○solid○Non marking  | ○solid○Non marking  | ○solid○Non marking  |
| 2.6  | Rear wheel material                       | ○Pneumatic○solid○Non marking  | ○solid○Non marking  | ○solid○Non marking  |
| 2.7  | Battery capacity                          | ○80V205AH○80V280AH○80V410AH   | ○80V230AH○80V460AH  | ○80V280AH○80V460AH  |
| 2.8  | Charger                                   | <ul style="list-style-type: none"> <li>○80V35A○80V65A</li> <li>○80V130A○80V200A</li> <li>○80V35A integrated charger</li> <li>○80V60A integrated charger</li> </ul>  | <ul style="list-style-type: none"> <li>○80V35A○80V65A</li> <li>○80V130A○80V200A</li> </ul>  | <ul style="list-style-type: none"> <li>○80V65A○80V35A</li> <li>○80V130A○80V200A</li> </ul>  |
| 2.9  | Battery indicator                         | ●With hourmeter   | ●With hourmeter   | ●With hourmeter   |
| 2.10 | Seat type                                 | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>  | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>  | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>  |
| 2.11 | Attachments                               | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>   |
| 2.13 | Traction pin                              | ●Yes  | ●Yes  | ●Yes  |
| 2.14 | Electrostatic chain                       | ●Yes  | ●Yes  | ●Yes  |
| 2.15 | Battery and charger with heating function | ●No○Yes and not customized  | ●No○Yes and not customized  | ●No○Yes and not customized  |
| 3.5  | Front lamp                                | ●LED  | ●LED  | ●LED  |
| 3.6  | Rear lamp                                 | ●No○LED   | ●No○LED   | ●No○LED   |
| 3.7  | Warning lamp                              | ●Yes  | ●Yes  | ●Yes  |
| 3.8  | Turn signal light                         | ●Yes  | ●Yes  | ●Yes  |
| 3.9  | Blue lamp                                 | ●No○2 front○1 rear○2 front + 1 rear   | ●No○2 front○1 rear○2 front + 1 rear   | ●No○2 front○1 rear○2 front + 1 rear   |
| 3.10 | Area warning lamp                         | ●No○Red, 1 left + 1 right   | ●No○Red, 1 left + 1 right   | ●No○Red, 1 left + 1 right   |
| 3.11 | Rearview mirror                           | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>  | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>  | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>  |
| 3.12 | Buzzer                                    | ●Yes  | ●Yes  | ●Yes  |
| 3.17 | OPS system                                | ●No○Yes and not customized  | ●No○Yes and not customized  | ●No○Yes and not customized  |
| 3.19 | USB interface                             | ●Yes  | ●Yes  | ●Yes  |
| 3.23 | Telematics                                | ●Yes and not customized○No  | ●Yes and not customized○No  | ●Yes and not customized○No  |
| 4.3  | Cabin                                     | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>  |
| 4.5  | Joystick                                  | ●No   | ●No○Yes and not customized  | ●No○Yes and not customized  |
| 4.9  | Heater                                    | ●No○Yes and not customized  | ●No○Yes and not customized  | ●No○Yes and not customized  |

Note: ●Standard ○ Optional - Inconformity

# Option

| No.  | Optional items                            | EFL303   | EFL303S  | EFL303P  |
|------|---|--|--|--|
| 1.1  | Fork dimension                            | <ul style="list-style-type: none"> <li>○122*45*1070○122*45*1150</li> <li>○122*45*1220○122*45*1370</li> <li>○122*45*1520○122*45*1600</li> <li>○122*45*1700○122*45*1820</li> <li>○122*45*2000○122*45*2200</li> <li>○122*45*2400</li> </ul> | <ul style="list-style-type: none"> <li>○122*45*1070○122*45*1150</li> <li>○122*45*1220○122*45*1370</li> <li>○122*45*1520○122*45*1600</li> <li>○122*45*1700○122*45*1820</li> <li>○122*45*2000○122*45*2200</li> <li>○122*45*2400</li> </ul> | <ul style="list-style-type: none"> <li>○122*45*1070○122*45*1150</li> <li>○122*45*1220○122*45*1370</li> <li>○122*45*1520○122*45*1600</li> <li>○122*45*1700○122*45*1820</li> <li>○122*45*2000○122*45*2200</li> <li>○122*45*2400</li> </ul> |
| 1.4  | Fork carriage width                       | ●1100mm○Yes and can be customized  | ●1100mm○Yes and can be customized  | ●1100mm○Yes and can be customized  |
| 1.5  | Fork carriage height                      | ●1095mm○Yes and can be customized  | ●1095mm○Yes and can be customized  | ●1095mm○Yes and can be customized  |
| 2.4  | Front wheel type                          | ●Single○Double   | ●Single○Double   | ●Single○Double   |
| 2.5  | Front wheel material                      | ○Pneumatic○solid○Non marking   | ○solid○Non marking   | ○solid○Non marking   |
| 2.6  | Rear wheel material                       | ○Pneumatic○solid○Non marking   | ○solid○Non marking   | ○solid○Non marking   |
| 2.7  | Battery capacity                          | <ul style="list-style-type: none"> <li>○80V205AH○80V280AH</li> <li>○80V410AH○80V460AH</li> </ul>   | <ul style="list-style-type: none"> <li>○80V230AH○80V460AH</li> </ul>   | <ul style="list-style-type: none"> <li>○80V460AH○80V560AH</li> </ul>   |
| 2.8  | Charger                                   | <ul style="list-style-type: none"> <li>○80V35A○80V65A</li> <li>○80V130A○80V200A</li> <li>○80V35A integrated charger</li> <li>○80V60A integrated charger</li> </ul>   | <ul style="list-style-type: none"> <li>○80V35A○80V65A</li> <li>○80V130A○80V200A</li> </ul>   | <ul style="list-style-type: none"> <li>○80V130A○80V200A</li> </ul>   |
| 2.9  | Battery indicator                         | ●With hourmeter  | ●With hourmeter  | ●With hourmeter  |
| 2.10 | Seat type                                 | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   |
| 2.11 | Attachments                               | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  |
| 2.13 | Traction pin                              | ●Yes   | ●Yes   | ●Yes   |
| 2.14 | Electrostatic chain                       | ●Yes   | ●Yes   | ●Yes   |
| 2.15 | Battery and charger with heating function | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 3.5  | Front lamp                                | ●LED   | ●LED   | ●LED   |
| 3.6  | Rear lamp                                 | ●No○LED  | ●No○LED  | ●No○LED  |
| 3.7  | Warning lamp                              | ●Yes   | ●Yes   | ●Yes   |
| 3.8  | Turn signal light                         | ●Yes   | ●Yes   | ●Yes   |
| 3.9  | Blue lamp                                 | ●No○2 front○1 rear○2 front + 1 rear  | ●No○2 front○1 rear○2 front + 1 rear  | ●No○2 front○1 rear○2 front + 1 rear  |
| 3.10 | Area warning lamp                         | ●No○Red, 1 left + 1 right  | ●No○Red, 1 left + 1 right  | ●No○Red, 1 left + 1 right  |
| 3.11 | Rearview mirror                           | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   |
| 3.12 | Buzzer                                    | ●Yes   | ●Yes   | ●Yes   |
| 3.17 | OPS system                                | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 3.19 | USB interface                             | ●Yes   | ●Yes   | ●Yes   |
| 3.23 | Telematics                                | ●Yes and not customized○No   | ●Yes and not customized○No   | ●Yes and not customized○No   |
| 4.3  | Cabin                                     | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   |
| 4.5  | Joystick                                  | ●No  | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 4.9  | Heater                                    | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |

Note: ●Standard ○ Optional - Inconformity

# Option

| No.  | Optional items                            | EFL353   | EFL353S  | EFL353P  |
|------|---|--|--|--|
| 1.1  | Fork dimension                            | <ul style="list-style-type: none"> <li>○122*50*1070○122*50*1150</li> <li>○122*50*1220○122*50*1370</li> <li>○122*50*1520○122*50*1600</li> <li>○122*50*1700○122*50*1820</li> <li>○122*50*2000○122*50*2200</li> <li>○122*50*2420</li> </ul> | <ul style="list-style-type: none"> <li>○122*50*1070○122*50*1150</li> <li>○122*50*1220○122*50*1370</li> <li>○122*50*1520○122*50*1600</li> <li>○122*50*1700○122*50*1820</li> <li>○122*50*2000○122*50*2200</li> <li>○122*50*2420</li> </ul> | <ul style="list-style-type: none"> <li>○122*50*1070○122*50*1150</li> <li>○122*50*1220○122*50*1370</li> <li>○122*50*1520○122*50*1600</li> <li>○122*50*1700○122*50*1820</li> <li>○122*50*2000○122*50*2200</li> <li>○122*50*2420</li> </ul> |
| 1.4  | Fork carriage width                       | ●1100mm○Yes and can be customized  | ●1100mm○Yes and can be customized  | ●1100mm○Yes and can be customized  |
| 1.5  | Fork carriage height                      | ●1095mm○Yes and can be customized  | ●1095mm○Yes and can be customized  | ●1095mm○Yes and can be customized  |
| 2.4  | Front wheel type                          | ●Single○Double   | ●Single○Double   | ●Single○Double   |
| 2.5  | Front wheel material                      | ○Pneumatic○solid○Non marking   | ○solid○Non marking   | ○solid○Non marking   |
| 2.6  | Rear wheel material                       | ○Pneumatic○solid○Non marking   | ○solid○Non marking   | ○solid○Non marking   |
| 2.7  | Battery capacity                          | ○80V280AH○80V410AH○80V460AH  | ○80V280AH○80V460AH   | ○80V460AH○80V560AH   |
| 2.8  | Charger                                   | <ul style="list-style-type: none"> <li>○80V35A○80V65A</li> <li>○80V130A○80V200A</li> <li>○80V35A integrated charger</li> <li>○80V60A integrated charger</li> </ul>   | <ul style="list-style-type: none"> <li>○80V65A○80V35A</li> <li>○80V130A○80V200A</li> </ul>   | ○80V130A○80V200A   |
| 2.9  | Battery indicator                         | ●With hourmeter  | ●With hourmeter  | ●With hourmeter  |
| 2.10 | Seat type                                 | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   | <ul style="list-style-type: none"> <li>○Regular○Premium○Suspension</li> <li>○Suspension + Seatbelt logic switch</li> <li>○Suspension seat with armrest (KL01)</li> </ul>   |
| 2.11 | Attachments                               | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  | <ul style="list-style-type: none"> <li>●No○Built-in sideshifter</li> <li>○External shifter○Fork positioner</li> </ul>  |
| 2.13 | Traction pin                              | ●Yes   | ●Yes   | ●Yes   |
| 2.14 | Electrostatic chain                       | ●Yes   | ●Yes   | ●Yes   |
| 2.15 | Battery and charger with heating function | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 3.5  | Front lamp                                | ●LED   | ●LED   | ●LED   |
| 3.6  | Rear lamp                                 | ●No○LED  | ●No○LED  | ●No○LED  |
| 3.7  | Warning lamp                              | ●Yes   | ●Yes   | ●Yes   |
| 3.8  | Turn signal light                         | ●Yes   | ●Yes   | ●Yes   |
| 3.9  | Blue lamp                                 | ●No○2 front○1 rear○2 front + 1 rear  | ●No○2 front○1 rear○2 front + 1 rear  | ●No○2 front○1 rear○2 front + 1 rear  |
| 3.10 | Area warning lamp                         | ●No○Red, 1 left + 1 right  | ●No○Red, 1 left + 1 right  | ●No○Red, 1 left + 1 right  |
| 3.11 | Rearview mirror                           | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   | <ul style="list-style-type: none"> <li>●1 rearview mirror</li> <li>○Add rearview mirror on both sides</li> </ul>   |
| 3.12 | Buzzer                                    | ●Yes   | ●Yes   | ●Yes   |
| 3.17 | OPS system                                | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 3.19 | USB interface                             | ●Yes   | ●Yes   | ●Yes   |
| 3.23 | Telematics                                | ●Yes and not customized○No   | ●Yes and not customized○No   | ●Yes and not customized○No   |
| 4.3  | Cabin                                     | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   | <ul style="list-style-type: none"> <li>●No○Basic half cabin</li> <li>○Upgrade half cabin○Full cabin</li> </ul>   |
| 4.5  | Joystick                                  | ●No  | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 4.9  | Heater                                    | ●No○Yes and not customized   | ●No○Yes and not customized   | ●No○Yes and not customized   |

Note: ●Standard ○ Optional - Inconformity