



  
*Let's grow together*

# EFX252/302

## Autoelevador Eléctrico con Batería de Iones de Litio

Capacidad de Carga 2,5/3,0 toneladas

- Tecnología exclusiva PMSM para una mejor eficiencia y rendimiento
- La batería de iones de litio es extraíble y se adapta mejor al funcionamiento en varios turnos
- Autoelevador todo terreno: para uso interior como exterior.
- Cabina ergonómica para trabajar sin fatiga

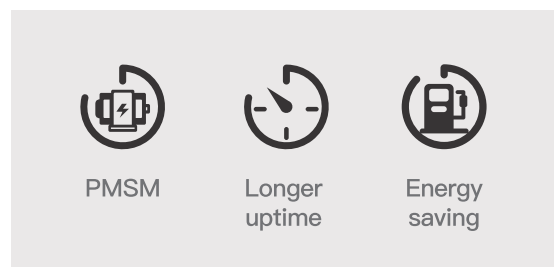
## ▣ CARACTERÍSTICAS

### ■ Tecnología PMSM para una mejor eficiencia y rendimiento

Batería de iones de litio extraíble que ofrece comodidad para el uso diario.

El EFX252/302 adopta permanente motor síncrono magnético (PMSM)

Tecnología para ofrecer una mayor duración de la batería. Este motor de optimización de la eficiencia aporta mayor ahorro de energía y maximiza el tiempo de actividad de la batería con una mejora del 10% en comparación con los motores habituales



### ■ Batería de iones de litio extraíble que ofrece comodidad para el uso diario

El modelo EFX252/302 está diseñado basándose en las ventajas de la tecnología de litio, equipado con baterías extraíbles de 80 V/150 Ah.

Batería de iones de litio de serie. Permite no sólo la carga de oportunidad y el mantenimiento cero, sino también que se reemplaza fácilmente, lo que lo convierte en una ayuda para entornos difíciles que carecen de instalaciones de carga.



■ **Es un todo terreno para uso tanto en interiores como en exteriores.**

La serie compacta EFX presenta un radio de giro pequeño, 2217 mm. y 2250 mm de EFX322, Su agilidad garantiza capacidades de manipulación en espacios reducidos y pasillos estrechos. Además, el EFX302/322 está protegido contra el agua y puede funcionar al aire libre, incluso bajo la lluvia.



■ **Cabina ergonómica para no fatigarse al trabajar**

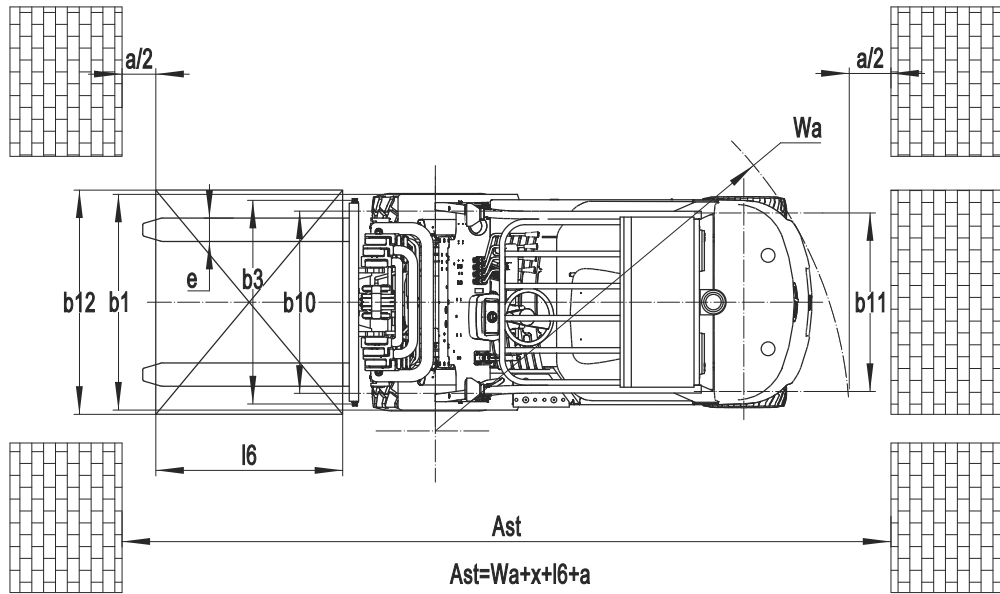
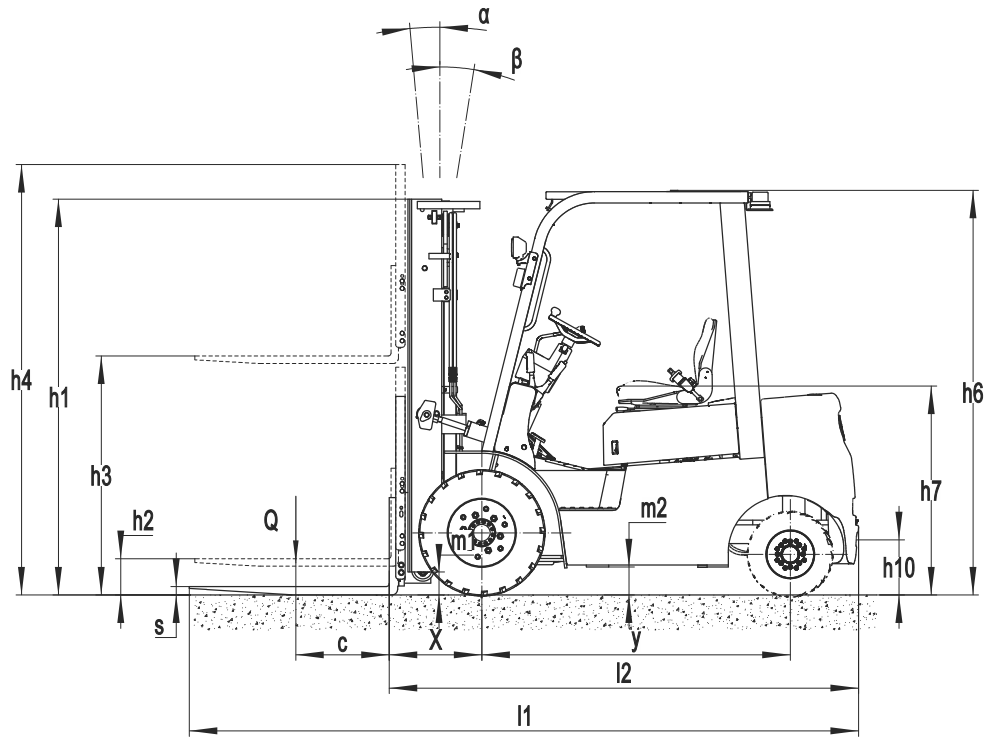
El EFX252/302 viene ofrece un espacioso espacio de trabajo, con un panel simplificado, un volante ajustable y un cómodo pedal. Todos están diseñados de acuerdo con criterios ergonómicos.



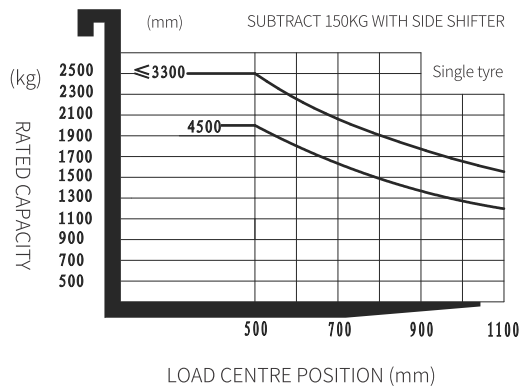
# Especificaciones del EFX252/302

|                     |                |  |                |            |              |              |
|---------------------|----------------|--|----------------|------------|--------------|--------------|
| Distinguishing mark | 1.1            | Manufacturer                                 |                |            | EP           | EP           |
|                     | 1.2            | Model designation                            |                |            | EFX252       | EFX302       |
|                     | 1.3            | Drive  |                |            | Electric     | Electric     |
|                     | 1.4            | Operator type                                |                |            | Seated       | Seated       |
|                     | 1.5            | Load capacity                                | Q              | kg         | 2500         | 3000         |
|                     | 1.6            | Load center distance                         | c              | mm         | 500          | 500          |
|                     | 1.8            | Load distance @ centre of drive axle to fork | x              | mm         | 481          | 486          |
|                     | 1.9            | Wheelbase                                    | y              | mm         | 1650         | 1650         |
|                     | Service weight | 2.1  | Service weight |            | kg           | 4050         |
| 2.2                 |                | Axle loading, laden front/rear               |                | kg         | 6580/470     | 6925/530     |
| 2.3                 |                | Axle loading, unladen front/rear             |                | kg         | 1790/2260    | 1805/2450    |
| Tyres/chassis       | 3.1            | Tyre type                                    |                |            | Solid rubber | Solid rubber |
|                     | 3.2            | Tyre size, front                             |                |            | 7.00-12      | 7.00-12      |
|                     | 3.3            | Tyre size, rear                              |                |            | 18X7-8       | 18X7-8       |
|                     | 3.5            | Wheels, number front/rear (x=drive wheels)   |                | mm         | 2x/ 2        | 2x/ 2        |
|                     | 3.6            | Tread width, front                           | b10            | mm         | 975          | 975          |
|                     | 3.7            | Tread width, rear                            | b11            | mm         | 955          | 955          |
| Dimensions          | 4.1            | Tilt of mast/fork carriage forward/backward  | $\alpha/\beta$ | °          | 6/ 10        | 6/ 10        |
|                     | 4.2            | Retracted mast height                        | h1             | mm         | 2070         | 2070         |
|                     | 4.3            | Free lift                                    | h2             | mm         | 135          | 135          |
|                     | 4.4            | Lift height                                  | h3             | mm         | 3000         | 3000         |
|                     | 4.5            | Height, mast extended                        | h4             | mm         | 4095         | 4095         |
|                     | 4.7            | Height of overhead guard (cabir)             | h6             | mm         | 2170         | 2170         |
|                     | 4.8            | Seat height/standing height                  | h7             | mm         | 1110         | 1110         |
|                     | 4.12           | Tow coupling height                          | h10            | mm         | 295          | 295          |
|                     | 4.19           | Overall length                               | l1             | mm         | 3566         | 3611         |
|                     | 4.20           | Length to face of forks                      | l2             | mm         | 2496         | 2541         |
|                     | 4.21           | Overall width                                | b1/b2          | mm         | 1154         | 1154         |
|                     | 4.22           | Fork dimensions                              | s/e/l          | mm         | 45×122×1070  | 50×122×1070  |
|                     | 4.23           | A,B Fork carriage class/type A, B            |                |            | 3A           | 3A           |
|                     | 4.24           | Fork carriage width                          | b3             | mm         | 1040         | 1040         |
|                     | 4.31           | Ground clearance, laden, below mast          | m1             | mm         | 120          | 120          |
|                     | 4.32           | Ground clearance, center of wheelbase        | m2             | mm         | 150          | 150          |
|                     | 4.34.1         | Aisle width for pallets 1000×1200 crossways  | Ast            | mm         | 3898         | 3946         |
|                     | 4.34.2         | Aisle width for pallets 800×1200 crossways   | Ast            | mm         | 4098         | 4146         |
|                     | 4.35           | Turning radius                               | Wa             | mm         | 2217         | 2250         |
| Performance data    | 5.1            | Travel speed, laden/unladen                  |                | km/h       | 11/12        | 11/12        |
|                     | 5.2            | Lifting speed, laden/unladen                 |                | m/s        | 0.29/0.36    | 0.28/0.36    |
|                     | 5.3            | Lowering speed, laden/unladen                |                | m/s        | 0.4/0.43     | 0.4/0.43     |
|                     | 5.5            | Drawbar pull, laden/unladen                  |                | N          | —            | —            |
|                     | 5.6            | Max. drawbar pull, laden/unladen             |                | N          | —            | —            |
|                     | 5.8            | Max. gradeability, laden/unladen             |                | %          | 15/15        | 15/15        |
|                     | 5.10           | Service brake                                |                |            | Hydraulic    | Hydraulic    |
| 5.11                | Parking brake  |  |                | Mechanical | Mechanical   |              |
| Electric-engine     | 6.1            | Drive motor rating S2 60 min                 |                | kW         | 8            | 8            |
|                     | 6.2            | Lift motor rating at S3 15%                  |                | kW         | 16           | 16           |
|                     | 6.4            | Battery voltage/nominal capacity             |                | V/Ah       | 80V150AH     | 80V150AH     |
|                     | 6.5            | Battery weight                               |                | kg         | —            | —            |
| Addition data       | 8.1            | Type of drive control                        |                |            | —            | —            |
|                     | 10.5           | Steering design                              |                |            | Hydraulic    | Hydraulic    |
|                     | 10.7           | Sound pressure level at the driver's ear     |                | dB(A)      | 74           | 74           |

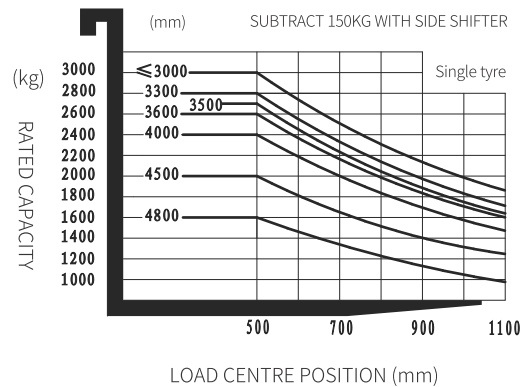
If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.



EFX252 RATED CAPACITIES AND LOAD CENTERS GRAPH



EFX302 RATED CAPACITIES AND LOAD CENTERS GRAPH



## OPCIONES DE MÁSTIL

| 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   |                       |               |
| 2-Standard Mast | 3000                  | 2060                        | 3630                      | 4095 | 120                   | 120           |
|                 | 3300                  | 2210                        | 3930                      | 4395 | 120                   | 120           |
| 3-Free Mast     | 4500                  | 2120                        | 5130                      | 5595 | 1490                  | 1025          |
|                 | 4800                  | 2220                        | 5430                      | 5895 | 1590                  | 1125          |

## OPCIONALES

| No.  | Optional items               | EFX252   | EFX302   |
|------|------------------------------|--|--|
| 1.1  | Fork dimension               | <ul style="list-style-type: none"> <li>○122*45*1070○122*45*1150○122*45*1220</li> <li>○122*45*1370○122*45*1520○122*45*1600</li> <li>○122*45*1700○122*45*1820○122*45*2000</li> <li>○122*45*2200○122*45*2400</li> </ul> | <ul style="list-style-type: none"> <li>○122*50*1070○122*50*1150○122*50*1220</li> <li>○122*50*1370○122*50*1520○122*50*1600</li> <li>○122*50*1700○122*50*1820○122*50*2000</li> <li>○122*50*2200○122*50*2420</li> </ul> |
| 1.4  | Fork carriage width          | ●1040mm○Yes and can be customized  | ●1040mm○Yes and can be customized  |
| 1.5  | Fork carriage height         | ●1095mm○Yes and can be customized  | ●1095mm○Yes and can be customized  |
| 2.5  | Front wheel material         | ●solid○Pneumatic   | ●solid○Pneumatic   |
| 2.6  | Rear wheel material          | ●solid○Pneumatic   | ●solid○Pneumatic   |
| 2.7  | Battery capacity             | ●80V150AH○80V100AH○80V230AH  | ●80V150AH○80V100AH○80V230AH  |
| 2.8  | Charger                      | ○80V65A external●80V35A integrated<br>○80V60A integrated   | ○80V65A external●80V35A integrated<br>○80V60A integrated   |
| 2.9  | Battery indicator            | ●With time   | ●With time   |
| 2.10 | Seat type                    | ○Regular○Premium○Suspension<br>○Suspension + seatbelt logic switch   | ○Regular○Premium○Suspension<br>○Suspension + seatbelt logic switch   |
| 2.11 | Attachments                  | ●No○Built-in sideshifter<br>○External shifter○Fork positioner  | ●No○Built-in sideshifter<br>○External shifter○Fork positioner  |
| 2.13 | Traction pin                 | ●Yes   | ●Yes   |
| 2.14 | Electrostatic chain          | ●Yes   | ●Yes   |
| 3.5  | Front lamp                   | ●LED   | ●LED   |
| 3.6  | Rear lamp                    | ●No○LED  | ●No○LED  |
| 3.7  | Warning lamp                 | ●Yes   | ●Yes   |
| 3.8  | Steering lamp                | ●Yes   | ●Yes   |
| 3.9  | Blue lamp                    | ●No○2 front○1 rear○2 front + 1 rear  | ●No○2 front○1 rear○2 front + 1 rear  |
| 3.10 | Area warning lamp            | ●No○1 left + 1 right   | ●No○1 left + 1 right   |
| 3.11 | Rearview mirror              | ●1 rearview mirror<br>○Add rearview mirror on both sides   | ●1 rearview mirror<br>○Add rearview mirror on both sides   |
| 3.12 | Buzzer                       | ●Yes   | ●Yes   |
| 3.17 | OPS system                   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 3.23 | Telematics                   | ●No○Yes and not customized   | ●No○Yes and not customized   |
| 4.1  | Battery side pull function   | ●Yes and not customized  | ●Yes and not customized  |
| 4.3  | Cabin                        | ●No○Tempered glass overhead guard  | ●No○Tempered glass overhead guard  |
| 5.1  | Battery side pull attachment | ●No○Yes and not customized   | ●No○Yes and not customized   |

Note: ●Standard ○ Optional - Inconformity