

# EFL201

## 4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 2.0T

 2000 kg    5000 mm    80 V Li-Ion



The EFL201 is a reliable all-rounder forklift for both indoor and outdoor tasks, thanks to its high ground clearance, big tyres and water resistance.

The maintenance-free lithium battery and robust chassis also make it more suitable for rental business.

| SPECIFICATION                               | REF       | UNIT | VALUE       |
|---|-----------|------|-------------|
| Battery type                                |           |      | Li-Ion      |
| Battery nominal capacity                    |           | Ah   | 150         |
| Battery voltage                             |           | V    | 80          |
| Load capacity                               | Q         | kg   | 2000        |
| Load centre distance                        | c         | mm   | 500         |
| Service weight                              |           | kg   | 3137        |
| Retracted mast height                       | $h_1$     | mm   | 4028        |
| Lift height                                 | $h_3$     | mm   | 3000        |
| Height, mast extended                       | $h_4$     | mm   | 4028        |
| Overall length                              |           | mm   | 3342        |
| Overall width                               | $b_1/b_2$ | mm   | 1080        |
| Length to face of forks                     | L2        | mm   | 2272        |
| Fork dimensions                             | s/e/1     | mm   | 40×122×1070 |
| Turning radius                              |           | Wa   | 2100        |
| Operator type                               |           |      | Seated      |
| Load distance, centre of drive axle to fork |           | mm   | 465.5       |

# Features

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## Powerful 80V Li-ion energy system

Equipped with EP's in-house 80V/150Ah Li-ion battery and 80V/35A integrated charger, the EFL201 provides strong power output, quick opportunity charging, and zero maintenance. The 80V voltage ensures higher efficiency and performance than conventional 48V systems.



## Optimized mast design for visibility and safety

The newly designed mast features fewer oil tubes within the operator's field of vision, improving visibility of fork tips and surrounding areas. This enhances safety and precision during stacking, loading, and maneuvering in narrow aisles.

## Operator comfort and ergonomic layout

The EFL201's ergonomic improvements include a repositioned accelerator pedal for additional legroom, an adjustable steering wheel, and a comfortable seat for fatigue-free operation. The simple component layout allows easy maintenance and servicing.



## High ground clearance and outdoor capability

With 120 mm of ground clearance and solid rubber tires, the EFL201 handles uneven floors and outdoor surfaces effortlessly. Its water-resistant design allows year-round operation, providing stable performance even in challenging environments.

# VDI Chart

|        | SPECIFICATION                               | REF                            | UNIT | VALUE        |
|--------|---|--------------------------------|------|--------------|
| 1.4    | Operator type                               |                                |      | Seated       |
| 1.5    | Load capacity                               | Q                              | kg   | 2000         |
| 1.6    | Load centre distance                        | c                              | mm   | 500          |
| 1.8    | Load distance, centre of drive axle to fork |                                | mm   | 465.5        |
| 1.9    | Wheelbase                                   |                                | mm   | 1448         |
| 2.1    | Service weight                              |                                | kg   | 3137         |
| 2.2    | Axle loading, laden front/rear              |                                | kg   | 4604/533     |
| 2.3    | Axle loading, unladen front/rear            |                                | kg   | 1270/1867    |
| 3.1    | Tyre type                                   |                                |      | Solid rubber |
| 3.2    | Tyre size, front                            |                                |      | 6.5-10       |
| 3.3    | Tyre size, rear                             |                                |      | 5.00-8       |
| 3.5    | Wheels, number front/rear (x=drive wheels)  |                                |      | 2x/ 2        |
| 3.6    | Tread width, front                          | b <sub>10</sub>                | mm   | 905          |
| 3.7    | Tread width, rear                           | b <sub>11</sub>                | mm   | 920          |
| 4.1    | Tilt of mast/fork carriage forward/backward |                                | °    | 6/ 10        |
| 4.12   | Tow coupling height                         |                                | mm   | 370          |
| 4.19   | Overall length                              |                                | mm   | 3342         |
| 4.2    | Retracted mast height                       | h <sub>1</sub>                 | mm   | 4028         |
| 4.20   | Length to face of forks                     | l <sub>2</sub>                 | mm   | 2272         |
| 4.21   | Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 1080         |
| 4.22   | Fork dimensions                             | s/e/l                          | mm   | 40×122×1070  |
| 4.23   | A,B Fork carriage class/type A, B           |                                |      | 2A           |
| 4.24   | Fork carriage width                         |                                | mm   | 1040         |
| 4.3    | Free lift                                   |                                | mm   | 100          |
| 4.31   | Ground clearance, laden, below mast         |                                | mm   | 115          |
| 4.32   | Ground clearance, centre of wheelbase       |                                | mm   | 120          |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways |                                | Ast  | 3765.5       |
| 4.34.2 | Aisle width for pallets 800×1200 lengthways |                                | Ast  | 3965.5       |
| 4.35   | Turning radius                              |                                | Wa   | 2100         |
| 4.4    | Lift height                                 | h <sub>3</sub>                 | mm   | 3000         |
| 4.4.1  | Max lift height                             |                                | mm   | 5000         |
| 4.5    | Height, mast extended                       | h <sub>4</sub>                 | mm   | 4028         |

|       | SPECIFICATION                           | REF | UNIT  | VALUE      |
|-------|---|-----|-------|------------|
| 4.7   | Height of overhead guard (cabin)        |     | mm    | 2080       |
| 4.8   | Seat height/standing height             |     | mm    | 1060       |
| 5.1   | Travel speed, laden/unladen             |     | km/h  | 11/14      |
| 5.10  | Service brake                           |     |       | Hydraulic  |
| 5.11  | Parking brake                           |     |       | Mechanical |
| 5.2   | Lifting speed, laden/unladen            |     | m/s   | 0.25/ 0.3  |
| 5.3   | Lowering speed, laden/unladen           |     | m/s   | 0.43/ 0.45 |
| 5.8   | Max. gradeability, laden/unladen        |     | %     | 12/15      |
| 6.1   | Drive motor rating S2 60 min            |     | kW    | 6          |
| 6.2   | Lift motor rating at S3 15%             |     | kW    | 11         |
| 6.4   | Battery nominal capacity                |     | Ah    | 150        |
| 6.4   | Battery voltage                         |     | V     | 80         |
| 6.4.1 | Battery type                            |     |       | Li-Ion     |
| 8.1   | Type of drive control                   |     |       | AC         |
| 10.5  | Steering design                         |     |       | Hydraulic  |
| 10.7  | Sound pressure level at the drivers ear |     | dB(A) | 70         |

## Mast Options

| MAST TYPE | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) | MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM) | FREE LIFT HEIGHT, NO BACKREST (H2, MM) | FREE LIFT HEIGHT, WITH BACKREST (H2, MM) |
|-----------|----------------------|------------------------------|--|--|--|--|
| 2W250     | 2500                 | 1770                         | 3185                                       | 3528   | 100                                    | 100                                      |
| 2W270     | 2700                 | 1870                         | 3385                                       | 3728   | 100                                    | 100                                      |
| 2W300     | 3000                 | 2020                         | 3685                                       | 4028   | 100                                    | 100                                      |
| 2W330     | 3300                 | 2170                         | 3985                                       | 4328   | 100                                    | 100                                      |
| 2W350     | 3500                 | 2270                         | 4185                                       | 4528   | 100                                    | 100                                      |
| 2W360     | 3600                 | 2320                         | 4285                                       | 4628   | 100                                    | 100                                      |
| 2F300     | 3000                 | 2028                         | 3485                                       | 4028   | 1543                                   | 1000                                     |
| 2F330     | 3300                 | 2178                         | 3785                                       | 4328   | 1693                                   | 1150                                     |
| 2F360     | 3600                 | 2328                         | 4085                                       | 4628   | 1843                                   | 1300                                     |
| 3F435     | 4350                 | 2035                         | 5074                                       | 5378   | 1196                                   | 892                                      |

| MAST TYPE | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) | MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM) | FREE LIFT HEIGHT, NO BACKREST (H2, MM) | FREE LIFT HEIGHT, WITH BACKREST (H2, MM) |
|-----------|----------------------|------------------------------|--|--|--|--|
| 3F450     | 4500                 | 2085                         | 5224                                       | 5528   | 1246                                   | 942                                      |
| 3F480     | 4800                 | 2185                         | 5524                                       | 5828   | 1346                                   | 1042                                     |
| 3F500     | 5000                 | 2250                         | 5724                                       | 6028   | 1411                                   | 1107                                     |

## Options

| ITEM                            | OPTIONS (optional items marked in yellow)  |
|---------------------------------|--|
| Fork dimension                  | 122*40*920   122*40*1070   122*40*1150   122*40*1220   122*40*1370   122*40*1500   122*40*1600   122*40*1700   122*40*1820 |
| Fork carriage width option      | 1040mm   Yes and can be customized   |
| Fork carriage height option     | 1028mm   Yes and can be customized   |
| Seat type                       | Regular   Premium   Suspension   Suspension+Seatbelt logic switch  |
| Attachments                     | No   Built-in sidershifter   External shifter   Fork positioner  |
| Traction pin                    | Yes  |
| Front wheel material            | Solid   Non-marking solid  |
| Rear wheel material             | Solid   Non-marking solid  |
| Battery capacity                | 80V150AH   80V205AH   80V280AH   |
| Charger                         | 80V35A integrated   80V60A integrated   80V65A   80V130A   |
| Battery display indicator (BDI) | With time  |
| Area warning lamp               | No   Red, 1 left + 1 right   |
| Rearview mirror                 | 1 rearview mirror   Add rearview mirroe on both sides  |
| Buzzer                          | Yes  |
| OPS system                      | Yes and not customized   No  |
| Front lamp                      | LED  |
| Rear lamp                       | No   LED   |
| Warning lamp                    | Yes  |
| Blue lamp                       | No   2 front   1 rear   2 front + 1 rear   |
| Cabin                           | No   Basic half cabin   Upgrade half cabin   Full cabin  |
| Anti-static chain               | Yes  |
| Turn signal light               | Yes  |

| ITEM          | OPTIONS (optional items marked in yellow) |
|---------------|---|
| Foldable fork | No   Yes and not customized               |