

# EFL352B3

## 4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 3500KG

 3500 kg
  6000 mm
  80 V Li-Ion



The EFL302B3 and EFL352B3 are engineered for demanding indoor and outdoor applications. With their robust chassis, high ground clearance, and IPX4 water resistance, these forklifts excel in rugged environments like construction sites, logistics yards, and manufacturing plants. Their compact design and lower battery placement ensure stability on uneven terrain, making them ideal for heavy-duty material handling tasks in both rain and shine, from loading docks to spacious warehouses.

| SPECIFICATION           | REF                            | UNIT | VALUE       |
|-------------------------|--------------------------------|------|-------------|
| Manufacturer            |                                |      | EP          |
| Model designation       |                                |      | EFL352B3    |
| Battery voltage         |                                | V    | 80          |
| Rated capacity          | Q                              | kg   | 3500        |
| Load centre distance    | c                              | mm   | 500         |
| Service weight          |                                | kg   | 4485        |
| Height, mast lowered    | h <sub>1</sub>                 | mm   | 2070        |
| Lift                    | h <sub>3</sub>                 | mm   | 3000        |
| Height, mast extended   | h <sub>4</sub>                 | mm   | 4110        |
| Overall length          | l <sub>1</sub>                 | mm   | 3820        |
| Overall width           | b <sub>1</sub> /b <sub>2</sub> | mm   | 1230        |
| Length to face of forks | l <sub>2</sub>                 | mm   | 2750        |
| Fork dimensions         | s/e/l                          | mm   | 50×122×1070 |
| Turning radius          | Wa                             | mm   | 2437        |
| Drive                   |                                |      | Electric    |
| Operator type           |                                |      | Seated      |

# Features

Enhanced mast for better visibility and stability

IPX4 water resistance

Adjustable steering wheel

Spacious operator space

80V205Ah/280Ah Li-ion battery and 35A/60A charger

Lower battery placement for enhanced stability

Big tyres and high ground clearance

## VDI Chart

|     | SPECIFICATION                               | REF | UNIT | VALUE     |
|-----|---------------------------------------------|-----|------|-----------|
| 1.1 | Manufacturer                                |     |      | EP        |
| 1.2 | Model designation                           |     |      | EFL352B3  |
| 1.3 | Drive                                       |     |      | Electric  |
| 1.4 | Operator type                               |     |      | Seated    |
| 1.5 | Rated capacity                              | Q   | kg   | 3500      |
| 1.6 | Load centre distance                        | c   | mm   | 500       |
| 1.8 | Load distance, centre of drive axle to fork | x   | mm   | 486       |
| 1.9 | Wheelbase                                   | y   | mm   | 1750      |
| 2.1 | Service weight                              |     | kg   | 4485      |
| 2.2 | Axle loading, laden front/rear              |     | kg   | 6610/850  |
| 2.3 | Axle loading, unladen front/rear            |     | kg   | 1930/2530 |

| SPECIFICATION |                                               | REF                            | UNIT | VALUE        |
|---------------|-----------------------------------------------|--------------------------------|------|--------------|
| 3.1           | Tyres                                         |                                |      | Pneumatic    |
| 3.2           | Tyre size, front                              |                                | mm   | 28X9-15-14PR |
| 3.3           | Tyre size, rear                               |                                | mm   | 6.50-10-10PR |
| 3.5           | Wheels, number front/rear (x=drive wheels)    |                                |      | 2x/2         |
| 3.6           | Tread width, front                            | b <sub>10</sub>                | mm   | 1010         |
| 3.7           | Tread width, rear                             | b <sub>11</sub>                | mm   | 980          |
| 4.1           | Tilt of mast/fork carriage forward/backward   | $\alpha/\beta$                 | °    | 6/10         |
| 4.2           | Height, mast lowered                          | h <sub>1</sub>                 | mm   | 2070         |
| 4.3           | Free lift                                     | h <sub>2</sub>                 | mm   | 120          |
| 4.4           | Lift                                          | h <sub>3</sub>                 | mm   | 3000         |
| 4.5           | Height, mast extended                         | h <sub>4</sub>                 | mm   | 4110         |
| 4.7           | Height of overhead guard (cabin)              | h <sub>6</sub>                 | mm   | 2180         |
| 4.8           | Seat height relating to SIP/stand height      | h <sub>7</sub>                 | mm   | 1130         |
| 4.12          | Coupling height                               | h <sub>10</sub>                | mm   | 350          |
| 4.19          | Overall length                                | l <sub>1</sub>                 | mm   | 3820         |
| 4.20          | Length to face of forks                       | l <sub>2</sub>                 | mm   | 2750         |
| 4.21          | Overall width                                 | b <sub>1</sub> /b <sub>2</sub> | mm   | 1230         |
| 4.22          | Fork dimensions                               | s/e/l                          | mm   | 50×122×1070  |
| 4.23          | Fork carriage ISO 2328, class/type A, B       |                                |      | 3A           |
| 4.24          | Fork carriage width                           |                                | mm   | 1150         |
| 4.31          | Ground clearance, laden, below mast           |                                | mm   | 120          |
| 4.32          | Ground clearance, centre of wheelbase         | m <sub>2</sub>                 | mm   | 150          |
| 4.34.1        | Aisle width for pallets 1000×1200 crossways   | A <sub>st</sub>                | mm   | 4118         |
| 4.34.2        | Aisle width for pallets 800 × 1200 lengthways | A <sub>st</sub>                | mm   | 4318         |
| 4.35          | Turning radius                                | W <sub>a</sub>                 | mm   | 2437         |
| 5.1           | Travel speed, laden/unladen                   |                                | km/h | 11/12        |
| 5.2           | Lift speed, laden/unladen                     |                                | m/s  | 0.29/0.36    |
| 5.3           | Lowering speed, laden/unladen                 |                                | m/s  | 0.4/0.43     |
| 5.8           | Max. gradeability, laden/unladen              |                                | %    | 15/15        |
| 5.10          | Service brake                                 |                                |      | Hydraulic    |
| 5.11          | Parking brake                                 |                                |      | Mechanical   |
| 6.1           | Drive motor rating S2 60 min                  |                                | kW   | 10           |
| 6.2           | Lift motor rating at S3 15%                   |                                | kW   | 16           |
| 6.4.1         | Battery voltage                               |                                | V    | 80           |

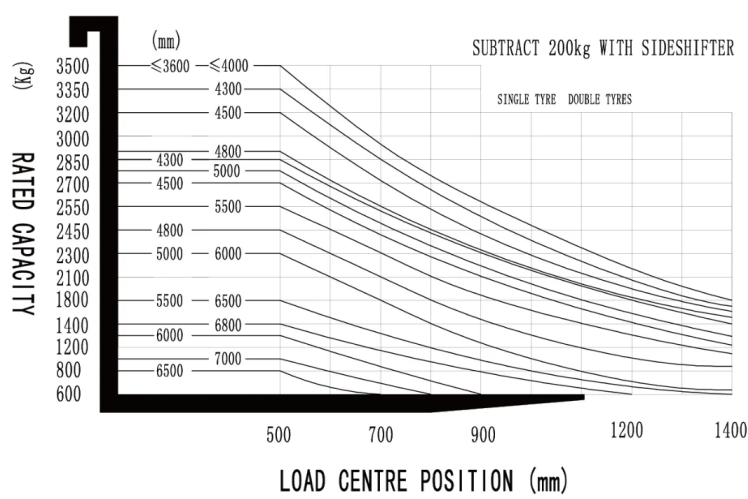
| SPECIFICATION |                                           | REF | UNIT  | VALUE     |
|---------------|-------------------------------------------|-----|-------|-----------|
| 6.4.2         | Battery nominal capacity K5               |     | Ah    | 280       |
| 6.4.3         | Battery type                              |     |       | Li-Ion    |
| 8.1           | Type of drive unit                        |     |       | AC        |
| 10.5          | Steering design                           |     |       | Hydraulic |
| 10.7          | Sound pressure level at the driver's seat |     | dB(A) | <74       |

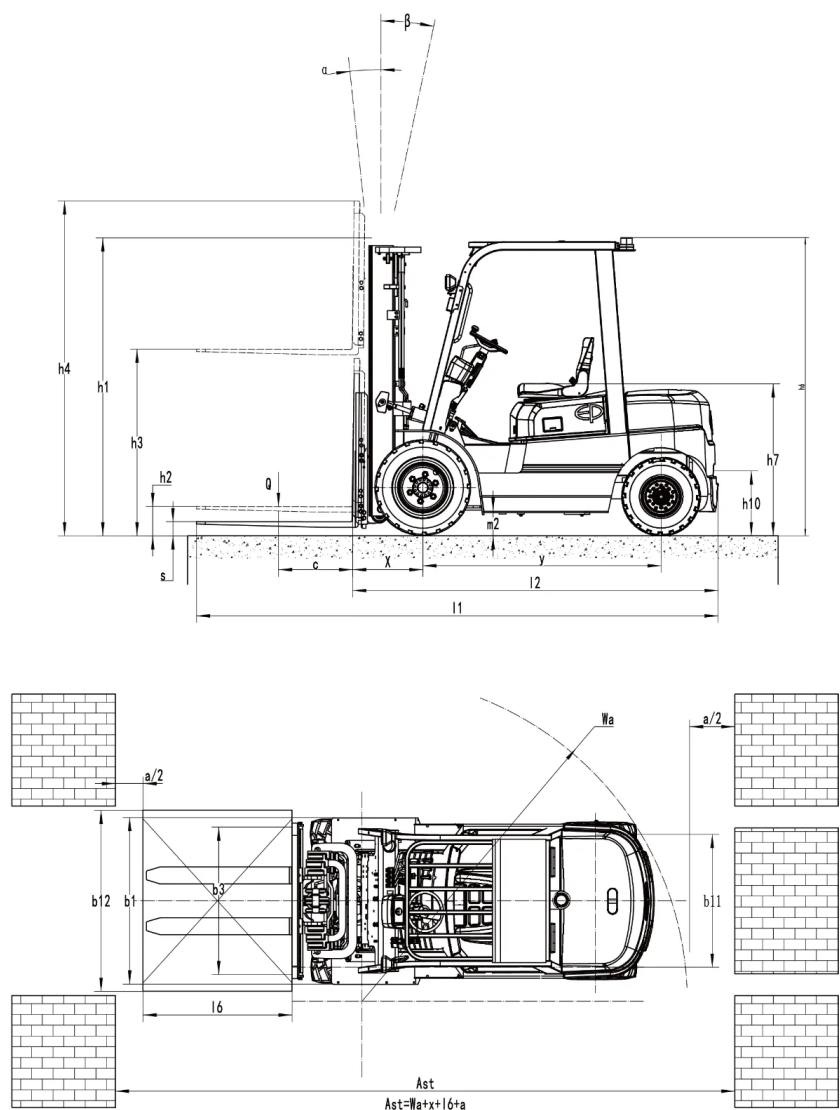
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## VDI Drawing

### EFL352B3

#### RATED CAPACITIES AND LOAD CENTERES GRAPH





# 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) |
|-----------------|----------------------|------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------|------------------------------------------|
| 2-Standard Mast | 2700                 | 1910                         | 3300                                       | 3795                                         | 120                                    | 120                                      |
| 2-Standard Mast | 3000                 | 2060                         | 3630                                       | 4095                                         | 120                                    | 120                                      |
| 2-Standard Mast | 3300                 | 2210                         | 3930                                       | 4395                                         | 120                                    | 120                                      |
| 2-Standard Mast | 3500                 | 2310                         | 4130                                       | 4595                                         | 120                                    | 120                                      |
| 2-Standard Mast | 3600                 | 2360                         | 4230                                       | 4695                                         | 120                                    | 120                                      |

| 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) |
|-----------------|----------------------|------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------|------------------------------------------|
| 2-Standard Mast | 4000                 | 2610                         | 4630                                       | 5095                                         | 120                                    | 120                                      |
| 2-Standard Mast | 4300                 | 2760                         | 4930                                       | 5395                                         | 120                                    | 120                                      |
| 2-Standard Mast | 4500                 | 2860                         | 5130                                       | 5595                                         | 120                                    | 120                                      |
| 2-Free Mast     | 3000                 | 2040                         | 3630                                       | 4095                                         | 1410                                   | 945                                      |
| 2-Free Mast     | 3300                 | 2190                         | 3930                                       | 4395                                         | 1560                                   | 1095                                     |
| 2-Free Mast     | 3600                 | 2340                         | 4230                                       | 4695                                         | 1710                                   | 1245                                     |
| 3-Free Mast     | 4300                 | 2040                         | 4930                                       | 5395                                         | 1410                                   | 945                                      |
| 3-Free Mast     | 4500                 | 2120                         | 5130                                       | 5595                                         | 1490                                   | 1025                                     |
| 3-Free Mast     | 4800                 | 2225                         | 5430                                       | 5895                                         | 1595                                   | 1130                                     |
| 3-Free Mast     | 5000                 | 2310                         | 5630                                       | 6095                                         | 1680                                   | 1215                                     |
| 3-Free Mast     | 5500                 | 2560                         | 6130                                       | 6595                                         | 1930                                   | 1465                                     |
| 3-Free Mast     | 6000                 | 2810                         | 6630                                       | 7095                                         | 2180                                   | 1715                                     |

## Options

| ITEM                 | OPTIONS (optional items marked in yellow)                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fork dimension       | 122*50*1070   122*50*1150   122*50*1220   122*50*1370   122*50*1520   122*50*1600   122*50*1700   122*50*1820   122*50*2000   122*50*2200   122*50*2420                                                       |
| Front wheel material | Pneumatic   Normal solid   Non-making solid                                                                                                                                                                   |
| Rear wheel material  | Pneumatic   Normal solid   Non-making solid                                                                                                                                                                   |
| Battery capacity     | 80V280AH   80V410AH   80V460AH                                                                                                                                                                                |
| Charger              | 80V60A External charger   80V35A Intergrated charger   80V100A External charger   80V150A External charger                                                                                                    |
| Battery indicator    | With hourmeter   With hourmeter Bluetooth without PSE                                                                                                                                                         |
| Seat type            | Regular   Comfortable   Suspension   Regular + safety belt logic switch   Comfortable + safety belt logic switch   Suspension + safety belt logic switch   Suspension with armrest + safety belt logic switch |
| Attachments          | No   Built-in sidershifter   External sidershifter   Fork positioner with sideshift                                                                                                                           |
| Traction pin         | Yes and not customized                                                                                                                                                                                        |

| ITEM                                           | OPTIONS (optional items marked in yellow)               |
|------------------------------------------------|---------------------------------------------------------|
| Electrostatic chain                            | Yes and not customized                                  |
| Front lamp                                     | LED                                                     |
| Rear lamp                                      | No   LED                                                |
| Warning lamp                                   | Yes and not customized                                  |
| Steering lamp                                  | LED                                                     |
| Blue lamp                                      | No   Rear   Front and rear                              |
| Area warning lamp                              | No   Both sides   Both sides and rear                   |
| Rearview mirror                                | One in front   Two on sides and one in front            |
| Buzzer                                         | Yes and not customized                                  |
| OPS system                                     | Yes and not customized                                  |
| USB interface                                  | No                                                      |
| Telematics                                     | Yes and not customized                                  |
| Cabin                                          | No   Basic half cabin   Upgrade half cabin   Full cabin |
| Overhead guard                                 | With tempered glass                                     |
| AS/NZS function package                        | No   Yes and not customized                             |
| Heating system during lithium battery charging | No   Yes and not customized                             |
| Operator identification device                 | NO   Card reader                                        |
| Lifting electronic limit                       | No                                                      |
| Hydraulic system operating mode                | Mechanical lever                                        |
| Rear armrest horn                              | No   Yes and not customized                             |
| Windshield washer system                       | Yes, only with cabin and not customized                 |
| Lifting and lowering function                  | Single speed lowering                                   |