

# EFL183

## ELECTRIC COUNTERBALANCE FORKLIFT 1.8T

 1800 kg  6000 mm  80 V Li-Ion



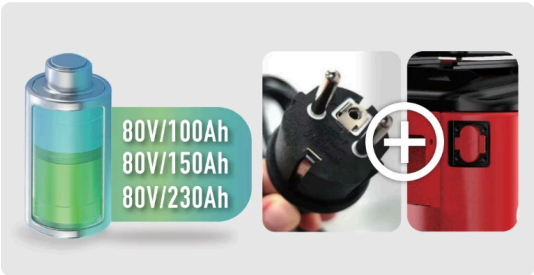
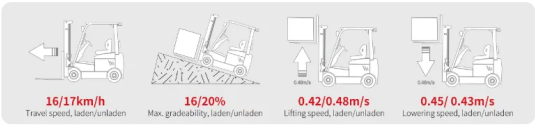
Designed for indoor and outdoor use, the EFL183 excels in manufacturing facilities, retail warehouses, and construction sites. Its compact body and tight turning radius enable smooth maneuvering in confined areas, while the high ground clearance and rugged pneumatic tires make it ideal for outdoor surfaces. Wide selection of 80V Li-Ion batteries, elevation up to 6,0 m and high performance makes EFL183 the perfect choice for operators requiring flexibility and productivity

| SPECIFICATION           | REF                            | UNIT | VALUE      |
|-------------------------|--------------------------------|------|------------|
| Manufacturer            |                                |      | EP         |
| Model designation       |                                |      | EFL183     |
| Battery voltage         |                                | V    | 80         |
| Rated capacity          | Q                              | kg   | 1800       |
| Load centre distance    | c                              | mm   | 500        |
| Service weight          |                                | kg   | 3060       |
| Height, mast lowered    | h <sub>1</sub>                 | mm   | 2020       |
| Lift                    | h <sub>3</sub>                 | mm   | 3000       |
| Height, mast extended   | h <sub>4</sub>                 | mm   | 4055       |
| Overall length          | l <sub>1</sub>                 | mm   | 3045       |
| Overall width           | b <sub>1</sub> /b <sub>2</sub> | mm   | 1146       |
| Length to face of forks | l <sub>2</sub>                 | mm   | 2125       |
| Fork dimensions         | s/e/l                          | mm   | 40×100×920 |
| Turning radius          | Wa                             | mm   | 1895       |
| Drive                   |                                |      | Electric   |
| Operator type           |                                |      | Seated     |

# Features

## PMSM Technology

The upgraded 80V architecture, combined with PMSM drive and pump motors, offers up to 17% energy savings versus traditional AC systems and requires no maintenance. Compared with the EFL181, the EFL183 delivers faster acceleration, higher lifting performance, and greater overall productivity — all with lower operating costs.



## Battery and Charging Options

Designed around Li-ion technology, the EFL183 offers opportunity charging, zero maintenance, no emissions, and longer service life. Available with 80V/100Ah, 80V/150Ah, and 80V/230Ah battery options, it adapts to different workload intensities. Thanks to dual charging flexibility—both integrated and external chargers—operators can optimize uptime and charging convenience throughout the day.

## Enhanced Stability

Built for reliability and endurance, the EFL183 features a reinforced CJ-beam mast and a strengthened chassis for maximum stability during high stacking. Compared with its predecessor, it offers higher residual load capacity at equivalent lifting heights, ensuring both strength and confidence in demanding applications.





## Operator Comfort and Safety

The cast shock-absorbing steering axle minimizes vibration transmission, while the low-noise gear pump ensures a quiet, smooth driving experience. Great visibility is ensured in all directions thanks to the redesigned mast and overhead guard. Optional turn speed control, travel speed reduction when lifting, and mast speed limitation at full extension further enhance safety and control. The result is a comfortable, quiet, and secure operation — designed to keep drivers productive and protected throughout their shifts.

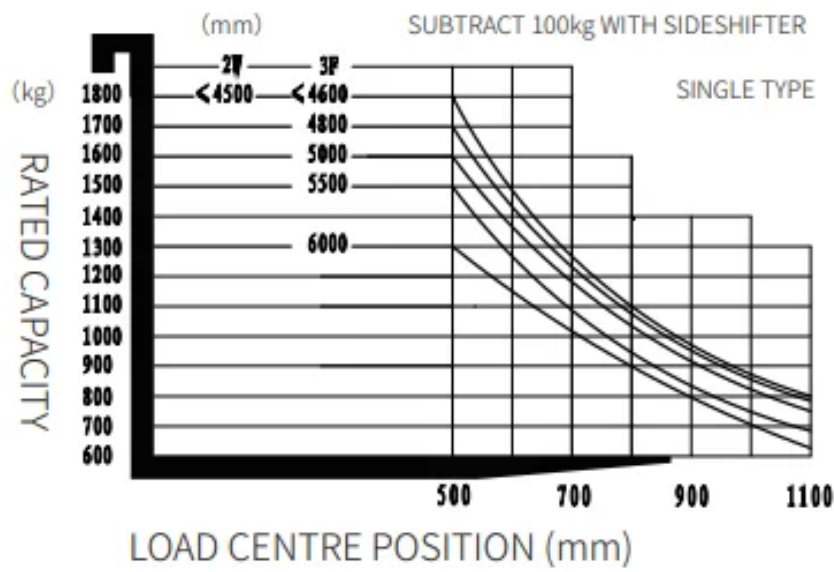
## VDI Chart

| SPECIFICATION |                                             | REF             | UNIT | VALUE       |
|---------------|---------------------------------------------|-----------------|------|-------------|
| 1.1           | Manufacturer                                |                 |      | EP          |
| 1.2           | Model designation                           |                 |      | EFL183      |
| 1.3           | Drive                                       |                 |      | Electric    |
| 1.4           | Operator type                               |                 |      | Seated      |
| 1.5           | Rated capacity                              | Q               | kg   | 1800        |
| 1.6           | Load centre distance                        | c               | mm   | 500         |
| 1.8           | Load distance, centre of drive axle to fork | x               | mm   | 438         |
| 1.9           | Wheelbase                                   | y               | mm   | 1340        |
| 2.1           | Service weight                              |                 | kg   | 3060        |
| 2.2           | Axle loading, laden front/rear              |                 | kg   | 4285/575    |
| 2.3           | Axle loading, unladen front/rear            |                 | kg   | 1220/1840   |
| 3.1           | Tyres                                       |                 |      | Pneumatic   |
| 3.2           | Tyre size, front                            |                 | mm   | 6.5-10-10PR |
| 3.3           | Tyre size, rear                             |                 | mm   | 5.00-8-10PR |
| 3.5           | Wheels, number front/rear (x=drive wheels)  |                 |      | 2x/ 2       |
| 3.6           | Tread width, front                          | b <sub>10</sub> | mm   | 955         |
| 3.7           | Tread width, rear                           | b <sub>11</sub> | mm   | 915         |
| 4.1           | Tilt of mast/fork carriage forward/backward | $\alpha/\beta$  | °    | 6/10        |
| 4.2           | Height, mast lowered                        | h <sub>1</sub>  | mm   | 2020        |
| 4.3           | Free lift                                   | h <sub>2</sub>  | mm   | 100         |
| 4.4           | Lift                                        | h <sub>3</sub>  | mm   | 3000        |
| 4.5           | Height, mast extended                       | h <sub>4</sub>  | mm   | 4055        |
| 4.7           | Height of overhead guard (cabin)            | h <sub>6</sub>  | mm   | 2082        |
| 4.8           | Seat height relating to SIP/stand height    | h <sub>7</sub>  | mm   | 1110        |

| SPECIFICATION |                                               | REF                            | UNIT  | VALUE      |
|---------------|-----------------------------------------------|--------------------------------|-------|------------|
| 4.12          | Coupling height                               | h10                            | mm    | 360        |
| 4.19          | Overall length                                | l <sub>1</sub>                 | mm    | 3045       |
| 4.20          | Length to face of forks                       | l <sub>2</sub>                 | mm    | 2125       |
| 4.21          | Overall width                                 | b <sub>1</sub> /b <sub>2</sub> | mm    | 1146       |
| 4.22          | Fork dimensions                               | s/e/l                          | mm    | 40×100×920 |
| 4.23          | Fork carriage ISO 2328, class/type A, B       |                                |       | 2A         |
| 4.24          | Fork carriage width                           |                                | mm    | 1040       |
| 4.31          | Ground clearance, laden, below mast           |                                | mm    | 135        |
| 4.32          | Ground clearance, centre of wheelbase         | m <sub>2</sub>                 | mm    | 119        |
| 4.34.1        | Aisle width for pallets 1000×1200 crossways   | Ast                            | mm    | 3533       |
| 4.34.2        | Aisle width for pallets 800 × 1200 lengthways | Ast                            | mm    | 3733       |
| 4.35          | Turning radius                                | Wa                             | mm    | 1895       |
| 5.1           | Travel speed, laden/unladen                   |                                | km/h  | 16/17      |
| 5.2           | Lift speed, laden/unladen                     |                                | m/s   | 0.42/0.48  |
| 5.3           | Lowering speed, laden/unladen                 |                                | m/s   | 0.45/ 0.43 |
| 5.8           | Max. gradeability, laden/unladen              |                                | %     | 16/20      |
| 5.10          | Service brake                                 |                                |       | Hydraulic  |
| 5.11          | Parking brake                                 |                                |       | Mechanical |
| 6.1           | Drive motor rating S2 60 min                  |                                | kW    | 8.1        |
| 6.2           | Lift motor rating at S3 15%                   |                                | kW    | 16         |
| 6.4.1         | Battery voltage                               |                                | V     | 80         |
| 6.4.2         | Battery nominal capacity K5                   |                                | Ah    | 80V/150Ah  |
| 6.4.3         | Battery type                                  |                                |       | Li-Ion     |
| 6.5           | Battery weight                                |                                | kg    | 107        |
| 6.6           | Energy consumption according to DIN EN 16796  |                                | kWh/h | 5.63       |
| 6.7           | Turnover output according to VDI 2198         |                                |       | 111.6      |
| 6.8           | Turnover efficiency according to VDI 2198     |                                |       | 22.68      |
| 8.1           | Type of drive unit                            |                                |       | PMSM       |
| 10.1          | Operating pressure for attachments            |                                | bar   | 180        |
| 10.2          | Oil volume for attachments                    |                                | ℓ/min | 35         |
| 10.5          | Steering design                               |                                |       | Hydraulic  |
| 10.7          | Sound pressure level at the driver's seat     |                                | dB(A) | <70        |

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

EFL183 RATED CAPACITIES AND LOAD CENTERES GRAPH





| 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) |
|-----------|----------------------|------------------------------|--------------------------------------------|----------------------------------------------|----------------------------------------|------------------------------------------|
| 2W450     | 4500                 | 2820                         | 5215                                       | 5555                                         | 100                                    | 100                                      |
| 2F300     | 3000                 | 2020                         | 4055                                       | 3715                                         | 1335                                   | 995                                      |
| 2F330     | 3300                 | 2170                         | 4355                                       | 4015                                         | 1485                                   | 1145                                     |
| 2F360     | 3600                 | 2320                         | 4655                                       | 4315                                         | 1635                                   | 1295                                     |
| 3F435     | 4350                 | 2035                         | 5060                                       | 5405                                         | 1355                                   | 1010                                     |
| 3F450     | 4500                 | 2085                         | 5210                                       | 5555                                         | 1405                                   | 1060                                     |
| 3F480     | 4800                 | 2185                         | 5510                                       | 5855                                         | 1505                                   | 1160                                     |
| 3F500     | 5000                 | 2250                         | 5710                                       | 6055                                         | 1575                                   | 1230                                     |
| 3F550     | 5500                 | 2420                         | 6210                                       | 6555                                         | 1735                                   | 1390                                     |
| 3F600     | 6000                 | 2635                         | 6710                                       | 7055                                         | 1955                                   | 1610                                     |

## Options

| ITEM                 | OPTIONS (optional items marked in yellow)                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Fork dimension       | 100*40*920   100*40*1070   100*40*1100   100*40*1150   100*40*1220   100*40*1370   100*40*1520   100*40*1800                         |
| Leg width            | 1040mm   Yes and can be customized                                                                                                   |
| Backrest height      | 1025mm   Yes and can be customized                                                                                                   |
| Front wheel material | Pneumatic   Normal solid   Non-marking solid                                                                                         |
| Rear wheel material  | Pneumatic   Normal solid   Non-marking solid                                                                                         |
| Battery capacity     | 80V150AH   80V100AH   80V230AH                                                                                                       |
| Charger              | 80V35A integrated charger   80V60A integrated charger   80V35A external charger   80V65A external charger   80V100A external charger |
| Battery indicator    | With hourmeter                                                                                                                       |
| Seat type            | Regular   Comfortable   Suspension   Suspension with armrest                                                                         |
| Attachments          | No   Built-in sideshifter   External sideshifter   Fork positioner with sideshift                                                    |
| Traction pin         | No and not customized                                                                                                                |
| Electrostatic chain  | Yes and not customized                                                                                                               |
| Front lamp           | LED                                                                                                                                  |

| ITEM                                   | OPTIONS (optional items marked in yellow)                         |
|----------------------------------------|-------------------------------------------------------------------|
| Rear lamp                              | No   LED                                                          |
| Warning lamp                           | Yes and not customized                                            |
| Steering lamp                          | LED                                                               |
| Blue lamp                              | No   Front and rear   Rear   Two in the front and one in the rear |
| Area warning lamp                      | No   Both sides   Both sides and rear                             |
| Rearview mirror                        | One in front   Two on sides                                       |
| Buzzer                                 | Yes and not customized                                            |
| OPS system                             | Yes and not customized                                            |
| USB interface                          | USB   USB with Type-A and Type-C ports                            |
| Telematics                             | Yes and not customized                                            |
| Charging interlock-UK standard         | Yes and not customized                                            |
| Cabin                                  | No   Basic half cabin   Upgrade half cabin   Full cabin           |
| Fan heater                             | No   Yes and not customized                                       |
| AS/NZS function package                | No   Yes and customized                                           |
| Turn speed control                     | No   Yes and customized                                           |
| Operator identification device         | No   Card reader                                                  |
| Hydraulic system operating mode        | Mechanical lever   Fingertip   Joystick                           |
| Rear grab handle with horn             | Yes and not customized                                            |
| Horn on lifting control lever          | No   Yes and customized                                           |
| Mast speed reduction at full extension | No   Yes and customized                                           |