



EFL183

ELECTRIC COUNTERBALANCE FORKLIFT 1.8T

1800 kg 6000 mm 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 |
|---|-----------|------|------------|
| Battery type | | | Li-Ion |
| Battery nominal capacity | | Ah | 80V/150Ah |
| Load capacity | Q | kg | 1800 |
| Load centre distance | c | mm | 500 |
| Service weight | | kg | 3060 |
| Retracted mast height | h_1 | mm | 2020 |
| Height, mast extended | h_4 | mm | 4055 |
| Overall length | | mm | 3045 |
| Overall width | b_1/b_2 | mm | 1146 |
| Length to face of forks | l2 | mm | 2125 |
| Fork dimensions | s/e/l | mm | 40×100×920 |
| Turning radius | | Wa | 1895 |
| Operator type | | | Seated |
| Load distance, centre of drive axle to fork | | mm | 438.5 |
| Wheelbase | | mm | 1340 |
| Axle loading, laden front/rear | | kg | 4285/575 |

Features

80V Power System and 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.



Wider 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

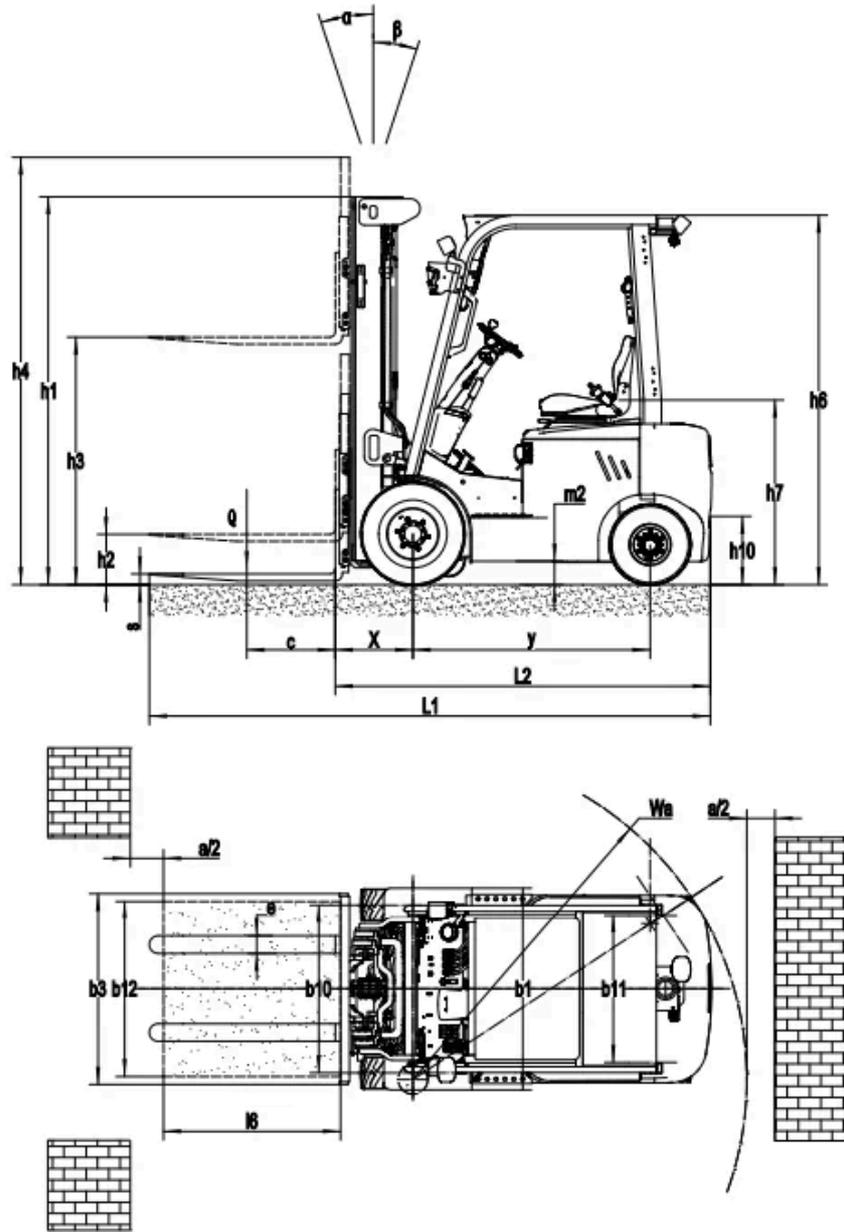


The cast shock-absorbing steering axle minimizes vibration transmission, while the low-noise gear pump ensures a quiet, smooth driving experience. Great visibility is ensured in all directions thanks to the redesigned mast and overhead guard. Optional turn speed control, travel speed reduction when lifting, 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.

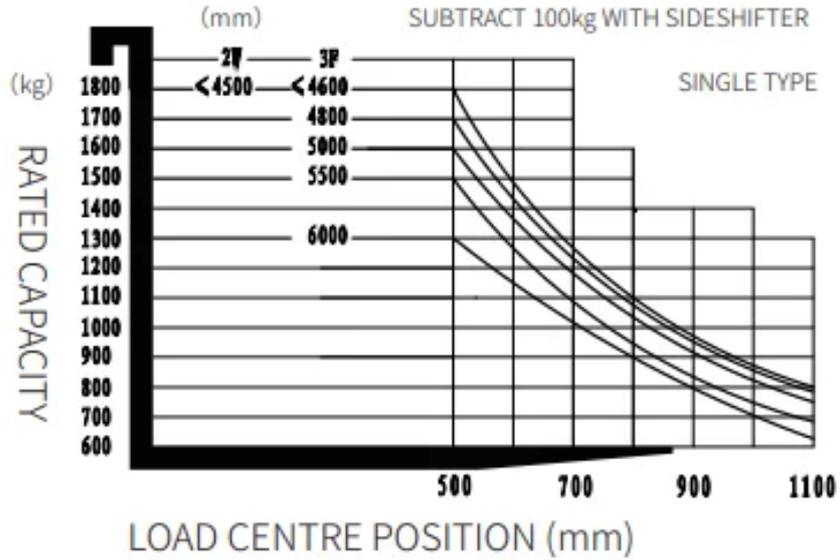
VDI Chart

| | SPECIFICATION | REF | UNIT | VALUE |
|-------|---|--------------------------------|------|-------------|
| 1.4 | Operator type | | | Seated |
| 1.5 | Load capacity | Q | kg | 1800 |
| 1.6 | Load centre distance | c | mm | 500 |
| 1.8 | Load distance, centre of drive axle to fork | | mm | 438.5 |
| 1.9 | Wheelbase | | 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 | Tyre type | | | 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 |
| 3.6.1 | Tread width, front | b ₁₀ | mm | 955 |
| 3.7.1 | Tread width, rear | b ₁₁ | mm | 915 |
| 4.0 | Max lift height | H | mm | 6000 |
| 4.1 | Tilt of mast/fork carriage forward/backward | | ° | 6/10 |
| 4.12 | Tow coupling height | | mm | 360 |
| 4.19 | Overall length | | mm | 3045 |
| 4.2 | Retracted mast height | h ₁ | mm | 2020 |
| 4.20 | Length to face of forks | l ₂ | mm | 2125 |
| 4.21 | Overall width | b ₁ /b ₂ | mm | 1146 |
| 4.22 | Fork dimensions | s/e/l | mm | 40×100×920 |
| 4.23 | A,B Fork carriage class/type A, B | | | 2A |

| SPECIFICATION | | REF | UNIT | VALUE |
|---------------|---|-------|-------|------------|
| 4.24 | Fork carriage width | | mm | 1040 |
| 4.3 | Free lift | | mm | 100 |
| 4.31 | Ground clearance, laden, below mast | | mm | 135 |
| 4.32 | Ground clearance, centre of wheelbase | | mm | 119 |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | | Ast | 3533.5 |
| 4.34.2 | Aisle width for pallets 800×1200 lengthways | | Ast | 3733.5 |
| 4.35 | Turning radius | | Wa | 1895 |
| 4.5 | Height, mast extended | h_4 | mm | 4055 |
| 4.7 | Height of overhead guard (cabin) | | mm | 2082 |
| 4.8 | Seat height/standing height | | mm | 1110 |
| 5.1 | Travel speed, laden/unladen | | km/h | 16/17 |
| 5.10 | Service brake | | | Hydraulic |
| 5.11 | Parking brake | | | Mechanical |
| 5.2 | Lifting 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 |
| 6.1 | Drive motor rating S2 60 min | | kW | 8.1 |
| 6.2 | Lift motor rating at S3 15% | | kW | 16 |
| 6.4 | Battery nominal capacity | | Ah | 80V/150Ah |
| 6.4.1 | Battery type | | | Li-Ion |
| 6.5 | Battery weight | | kg | 107 |
| 8.1 | Type of drive control | | | PMSM |
| 10.5 | Steering design | | | Hydraulic |
| 10.7 | Sound pressure level at the drivers ear | | dB(A) | <70 |



EFL183 RATED CAPACITIES AND LOAD CENTERS 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) |
|-----------|----------------------|------------------------------|--|--|--|--|
| 2W300 | 3000 | 2020 | 3715 | 4055 | 100 | 100 |
| 2W330 | 3300 | 2170 | 4015 | 4355 | 100 | 100 |
| 2W350 | 3500 | 2270 | 4215 | 4555 | 100 | 100 |
| 2W360 | 3600 | 2320 | 4315 | 4655 | 100 | 100 |
| 2W400 | 4000 | 2570 | 4715 | 5055 | 100 | 100 |
| 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 |

| 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) |
|-----------|----------------------|------------------------------|--|--|--|--|
| 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 |
| 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 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 display indicator (BDI) | With hourmeter |
| 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 |
| Front lamp | LED |
| Rear lamp | No LED |
| Warning lamp | Yes and not customized |

| ITEM | OPTIONS (optional items marked in yellow) |
|--|---|
| Steering lamp | LED |
| Blue lamp | No Front and rear Rear Two in the front and one in the rear |
| Cabin | No Basic half cabin Upgrade half cabin Full cabin |
| Heater | No Yes and not customized |
| Special AUS/NZ options | No Yes and customized |
| Turn speed control | No Yes and customized |
| Operator identification device | No Card reader |
| Hydraulic control | 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 |