




EFL30 PRO

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 3.0T

 3000 kg
  6000 mm
  80 V Li-Ion



Built to perform across diverse environments, the EFL Pro Series excels in warehouses, factories, logistics centers, ports, and construction yards. Its high ground clearance, large tires and IPX4 water resistance enable operation on uneven outdoor terrain, while its compact turning radius and quiet, emission-free power make it ideal for indoor use as well. Designed to replace traditional diesel forklifts, the EFL Pro provides high performance with reduced operating costs

| SPECIFICATION | REF | UNIT | VALUE |
|--------------------------|-----------|------|-------------|
| Battery type | | | Li-Ion |
| Battery nominal capacity | | Ah | 80V280AH |
| Battery voltage | | V | 80 |
| Load capacity | Q | kg | 3000 |
| Load centre distance | c | mm | 500 |
| Service weight | | kg | 4800 |
| Retracted mast height | h_1 | mm | 2065 |
| Lift height | h_3 | mm | 3000 |
| Height, mast extended | h_4 | mm | 4130 |
| Overall length | | mm | 3627 |
| Overall width | b_1/b_2 | mm | 1210 |
| Length to face of forks | L2 | mm | 2557 |
| Fork dimensions | s/e/l | mm | 45×122×1070 |
| Turning radius | | Wa | 2352 |
| Manufacturer | | | EP |
| Model designation | | | EFL 30 PRO |

Features

Unmatched Performance and great operator experience

Powered by a 17kW AC driving motor and 30kW PMS pump motor system, the EFL PRO achieves performance, gradeability and residual capacity in line with the best electric forklift with the advantage of the high ground clearance, the big size tires and robust chassis.

EFL PRO hydraulic system feature:

- Full-proportion solenoid valve for a more accurate micro-control
- PMS pump motor and screw type pump for precise and silent hydraulic operation
- Big diameter hydraulic tubing for high oil flow also on the attachments



Sleek Appearance with Enhanced Versatility

The EFL PRO Series combines a sleek, fully-molded design with outstanding stability, thanks to its extended 1753 mm wheelbase. Despite its robust stance, key dimensions—such as width and turning radius—remain comparable to standard electric forklifts, ensuring versatility in any application. Modern LED lighting enhances visibility and reinforces its contemporary look, while the electric parking brake and automatic stop on ramp further elevate safety and control

State of the art controls on the armrest

Multiple functions are integrated at the palm-size end including: forward/reverse, gear switch, lifting/lowering, tilting, sideshift and 4th way, automatic fork leveling button, horn, clamp interlock button, 5th way button switch, turning light switch, sStorage box and USB port, emergency switch





Informative and Multi-functional Full-touch Display

The new OLED touchscreen display provides real-time monitoring of all key forklift operating parameters, including battery state of charge, driving speed, travel direction, wheel angle, and mast tilt angle. Optional functions such as lift height and load weight indicators can also be integrated. Thanks to its touch interface, the operator can easily control all auxiliary systems, including the lighting system, wipers, and cabin heater.

Ergonomic Cabin for Fatigue-free and Convenient Operation

The EFL PRO's ergonomic design begins the moment the operator steps aboard, thanks to the largest access step in its class. Once inside, the EFL PRO features a offering a spacious driving area with a standard suspended seat with armrest. A reduced-size steering wheel, a hydraulic accumulator to prevent kickback, a tempered glass roof for enhanced visibility, and practical storage compartments further elevate the operator experience. For ease of service, power and auxiliary controllers are housed in a protected area accessible through removable panels.



Revolutionary Li-ion Battery and Charging System

At the core of the EFL PRO Series is EP's breakthrough Li-ion technology — a new Li-ion battery system composed of three independent battery modules operating in series to achieve 80V. Each module functions autonomously, ensuring consistent performance and enhanced reliability. This battery architecture enables power from 280Ah to 628Ah, allowing the EFL PRO to adapt its endurance to a wide range of applications. Additionally, each battery module can be repaired or replaced individually, eliminating the costly full-pack replacements typically required when single cells fail. For further charging convenience, both integrated charging and external charging port are available on one truck making EFL PRO flexible for all kinds of applications needs.



Complete configuration including Telematic and innovative options

EFL PRO comes standard with telematic system that allows to manage the fleet and the rental activities in an effective and efficient manner. The system tracks data for truck and battery usage, like uptime, battery status and real-time location. It allows users to monitor and analyze assets conditions, providing remote diagnostics and improving the efficiency of fleet management. Another standard feature of the EFL PRO is the ergonomic armrest equipped with fingertip or joystick controls including load-leveling function activated at the press of a single button.

The following items are available as optional equipment:

Full cabin with integrated heater on the dashboard; Load height indicator; Load weight indicator; 360°Panorama System with human recognition and collision waring (no CE); Panoramic OHG with glass roof (no CE); Turn speed control; Ambient-noise Adaptive Buzzer



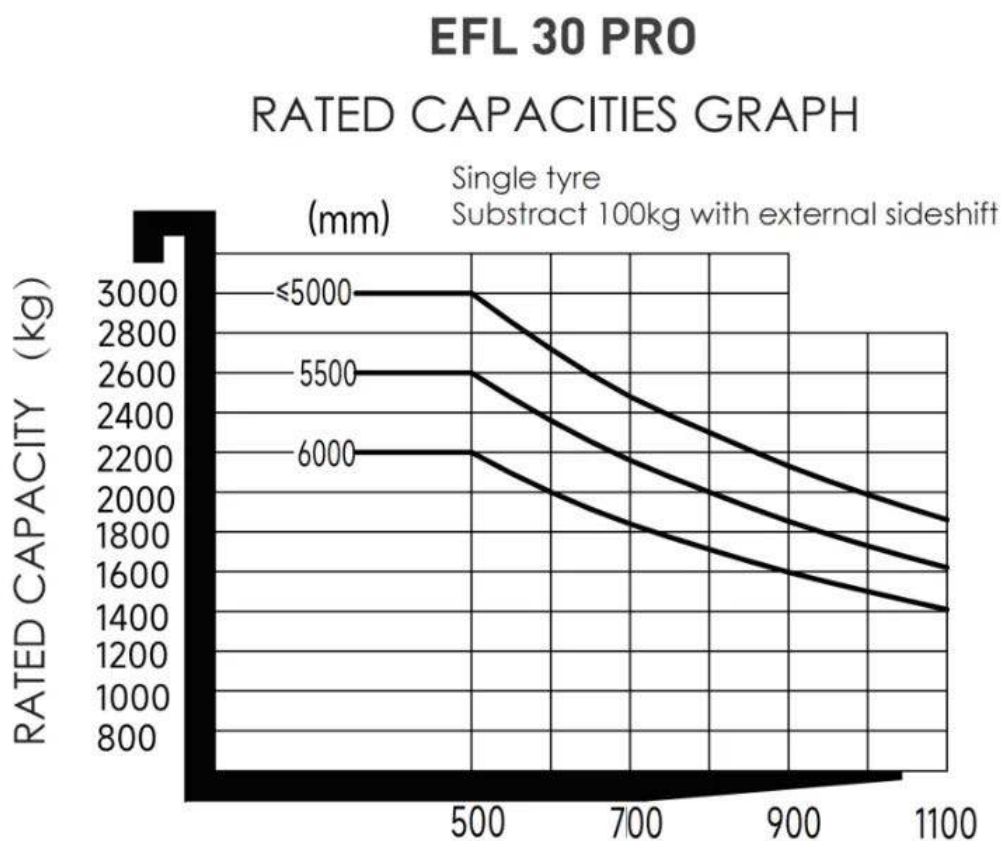
VDI Chart

| | SPECIFICATION | REF | UNIT | VALUE |
|-------|---|-----------------|------|--------------|
| 1.1 | Manufacturer | | | EP |
| 1.2 | Model designation | | | EFL 30 PRO |
| 1.3 | Drive | | | Electric |
| 1.4 | Operator type | | | Seated |
| 1.5 | Load capacity | Q | kg | 3000 |
| 1.6 | Load centre distance | c | mm | 500 |
| 1.8 | Load distance, centre of drive axle to fork | | mm | 481 |
| 1.9 | Wheelbase | | mm | 1753 |
| 2.1 | Service weight | | kg | 4800 |
| 2.2 | Axle loading, laden front/rear | | kg | 6923/873 |
| 2.3 | Axle loading, unladen front/rear | | kg | 2234/2566 |
| 3.1 | Tyre type | | | Pneumatic |
| 3.2 | Tyre size, front | | mm | 28X9-15-14PR |
| 3.3 | Tyre size, rear | | mm | 6.50-10-10PR |
| 3.4 | Additional wheels (castor wheels) | | mm | 2x/ 2 |
| 3.5 | Wheels, number front/rear (x=drive wheels) | | | 2x/ 2 |
| 3.6.1 | Tread width, front | b ₁₀ | mm | 1010 |
| 3.7.1 | Tread width, rear | b ₁₁ | mm | 980 |

| | SPECIFICATION | REF | UNIT | VALUE |
|--------|--|--------------------------------|-------|-----------------|
| 4.0 | Max lift height | H | mm | 6000 |
| 4.1 | Tilt of mast/fork carriage forward/backward | | ° | 6/ 6 |
| 4.12 | Tow coupling height | | mm | 510 |
| 4.19 | Overall length | | mm | 3627 |
| 4.2 | Retracted mast height | h ₁ | mm | 2065 |
| 4.20 | Length to face of forks | l ₂ | mm | 2557 |
| 4.21 | Overall width | b ₁ /b ₂ | mm | 1210 |
| 4.22 | Fork dimensions | s/e/l | mm | 45×122×1070 |
| 4.23 | A,B Fork carriage class/type A, B | | | 3A |
| 4.24 | Fork carriage width | | mm | 1100 |
| 4.3 | Free lift | | mm | 135 |
| 4.31 | Ground clearance, laden, below mast | | mm | 130 |
| 4.32 | Ground clearance, centre of wheelbase | | mm | 165 |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways | | Ast | 4033 |
| 4.34.2 | Aisle width for pallets 800×1200 lengthways | | Ast | 4233 |
| 4.35 | Turning radius | | Wa | 2352 |
| 4.4 | Lift height | h ₃ | mm | 3000 |
| 4.5 | Height, mast extended | h ₄ | mm | 4130 |
| 4.7 | Height of overhead guard (cabin) | | mm | 2170 |
| 4.8 | Seat height/standing height | | mm | 1138 |
| 5.1 | Travel speed, laden/unladen | | km/h | 19/20 |
| 5.10 | Service brake | | | Hydraulic |
| 5.11 | Parking brake | | | Electromagnetic |
| 5.2 | Lifting speed, laden/unladen | | m/s | 0.55/0.58 |
| 5.3 | Lowering speed, laden/unladen | | m/s | 0.43/0.44 |
| 5.5 | Drawbar pull, laden/unladen | | | 5924 |
| 5.6 | Max. drawbar pull, laden/unladen | | | 22350 |
| 5.8 | Max. gradeability, laden/unladen | | % | 22/28 |
| 6.1 | Drive motor rating S2 60 min | | kW | 17 |
| 6.2 | Lift motor rating at S3 15% | | kW | 30 |
| 6.4 | Battery nominal capacity | | Ah | 80V280AH |
| 6.4 | Battery voltage | | V | 80 |
| 6.4.1 | Battery type | | | Li-Ion |
| 6.5 | Battery weight | | kg | 184 |
| 6.6 | Energy consumption according to DIN EN 16796 | | kWh/h | 8.75 |

| | SPECIFICATION | REF | UNIT | VALUE |
|------|---|-----|-------|-----------|
| 6.7 | Turnover output according to VDI 2198 | | | 180 |
| 6.8 | Turnover efficiency according to VDI 2198 | | | 23.26 |
| 8.1 | Type of drive control | | | AC |
| 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 drivers ear | | dB(A) | < 70 |

VDI Drawing



| 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) | FORWARD TILT (A, DEG) | BACKWARD TILT (B, MM) | LOAD DISTANCE (X, KG) |
|-----------------|----------------------|------------------------------|--|--|--|--|-----------------------|-----------------------|-----------------------|
| 2-Standard Mast | 4000 | 2615 | 4665 | 5130 | 135 | 135 | 6 | 6 | 481 |
| 2-Standard Mast | 4500 | 2865 | 5165 | 5630 | 135 | 135 | 6 | 6 | 481 |
| 2-Free Mast | 3000 | 2090 | 3715 | 4175 | 1455 | 995 | 6 | 6 | 481 |
| 2-Free Mast | 3300 | 2195 | 4015 | 4475 | 1560 | 1100 | 6 | 6 | 481 |
| 2-Free Mast | 3600 | 2345 | 4315 | 4775 | 1710 | 1250 | 6 | 6 | 481 |
| 3-Free Mast | 4300 | 2080 | 5030 | 5435 | 1390 | 985 | 6 | 6 | 492 |
| 3-Free Mast | 4500 | 2160 | 5270 | 5675 | 1470 | 1065 | 6 | 6 | 492 |
| 3-Free Mast | 4800 | 2265 | 5570 | 5975 | 1575 | 1170 | 6 | 6 | 492 |
| 3-Free Mast | 5000 | 2350 | 5720 | 6125 | 1660 | 1255 | 6 | 6 | 492 |
| 3-Free Mast | 5500 | 2600 | 6220 | 6625 | 1910 | 1505 | 6 | 6 | 492 |
| 3-Free Mast | 6000 | 2850 | 6720 | 7125 | 2160 | 1755 | 6 | 6 | 492 |

Options

| ITEM | OPTIONS (optional items marked in yellow) |
|---------------------------------|--|
| Fork dimension | 122*45*1070 122*45*1150 122*45*1220 122*45*1370 122*45*1520 |
| Seat type | Comfortable + safety belt switch (41) Suspension seat with armrest and safety belt swich GRAMMER-MSG65 |
| Attachments | Built-in sideshifter External shifter Fork positionr with sideshift External shifter with adjustable forks Clamp |
| Traction pin | Yes and not customized |
| Electrostatic chain | Yes and not customized |
| Front wheel material | Pneumatic Normal solid Traceless solid |
| Rear wheel material | Pneumatic Normal solid Traceless solid |
| Battery capacity | 80V280AH 80V560AH 80V628AH (NON-CE) |
| Charger | 80V65A (NON-CE) 80V60 (CE) 80V35A Integrated 80V60A Integrated 80V130A 80V150A 80V200A (560/628AH) |
| Battery display indicator (BDI) | With time (Bluetooth) |

| ITEM | OPTIONS (optional items marked in yellow) |
|---|--|
| Area warning lamp | No Both sides Both sides and rear |
| Rearview mirror | One in front Two on sides and one in front |
| Buzzer | Regular buzzer Ambient-noise adaptive buzzer (NON-CE) |
| OPS system | Yes and not customized |
| USB interface | Cigarette lighter+USB with A and C type |
| Telematics | Yes and not customized No |
| Front lamp | LED |
| Rear lamp | No LED |
| Warning lamp | Yes and not customized |
| Steering lamp | LED |
| Blue lamp | No Rear Front and rear |
| Cabin | No Basic semi-cabin Upgraded semi-cabin Full cabin |
| Overhead guard | Strip glass with anti-explosion film Panoramic glass roof (NON-CE) |
| Clamp interlock | No Yes and not customized |
| Special AUS/NZ options | No Yes and not customized |
| Turn speed control | Yes and not customized No |
| Heating system during lithium battery charging | No Yes and not customized |
| Operator identification device | No Card reader |
| Lifting electronic limit | No Yes and not customized |
| Hydraulic control | Joystick fingertip |
| Rear armrest horn | Yes and not customized |
| Area Speed Limit System | No Yes and not customized |
| Weighing system | No Yes and not customized |
| Automatic fork leveling | No Yes and not customized |
| Wiper water unit | Yes only with Cabin |
| Automatic Parking Brake | Yes and not customized |
| Height display+Forward tilt speed limit+High-position lateral shift speed control | No Yes and not customized |
| Surround View System+Human recognition system | No Yes and not customized (NON-CE) |