

EFL30-PRO

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 3.0T

 3000 kg  3000 mm



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
Model designation			EFL30-PRO
Battery voltage/nominal capacity		V/Ah	80V280AH
Rated capacity	Q	kg	3000
Load centre distance	c	mm	500
Service weight		kg	4800
Height, mast lowered	h ₁	mm	2065
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4130
Overall length	l ₁	mm	3627
Overall width	b ₁ /b ₂	mm	1210
Length to face of forks	l ₂	mm	2557
Fork dimensions	s/e/l	mm	45×122×1070
Turning radius	Wa	mm	2352
Drive			Electric
Operator type			Seated
Load distance, centre of drive axle to fork	x	mm	481

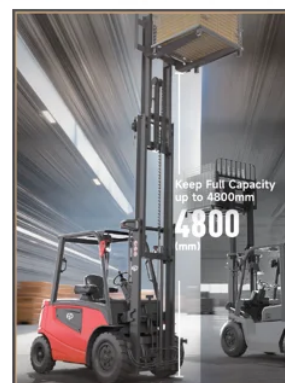
Features

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

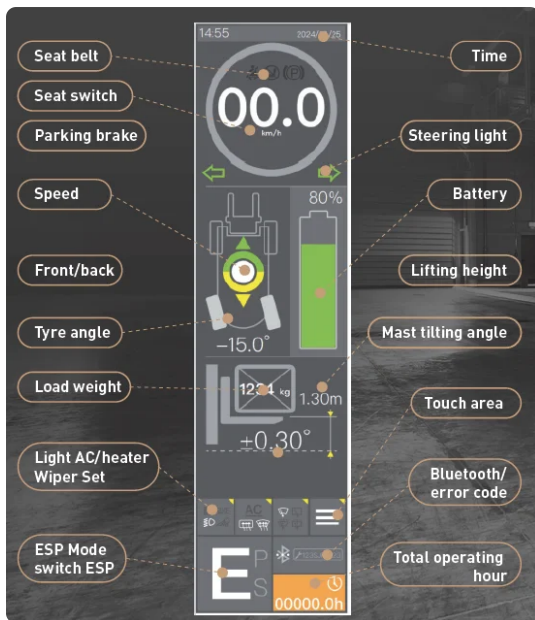
State of the art controls on the armrest

Multiple functions are integrated at the palm-size end with fingertip or joystick and includes:

forward/reverse direction switch, lifting/lowering, tilting, sideshift and 4th way, horn, turning light switch, Storage box and USB port, emergency switch

Optional: fork leveling button, clamp interlock button, 5th way button switch can complete the operator controls





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, operating hours, date and time. Optional functions such as mast tilt angle, 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 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 560Ah or 628Ah, allowing the EFL PRO to adapt its endurance to a wide range of applications. Furthermore, through a dedicated upgrade kit, the dealer is able to adjust such battery power capacity to meet evolving customer requirements.

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 ergonomic armrest equipped with fingertip or joystick hydraulic controls, automatic speed reduction on turns and 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 dealers to monitor and analyze assets conditions, providing remote diagnostics and improving the efficiency of fleet management.

The following items are available as optional equipment:

Full cabin with integrated heater on the dashboard and operator feet; Load-leveling function activated at the press of a single button; Load height indicator; Load weight indicator; Panoramic OHG with glass roof; 360°Panorama System with human recognition and collision waring (no CE); ; Ambient-noise Adaptive Buzzer(no CE).



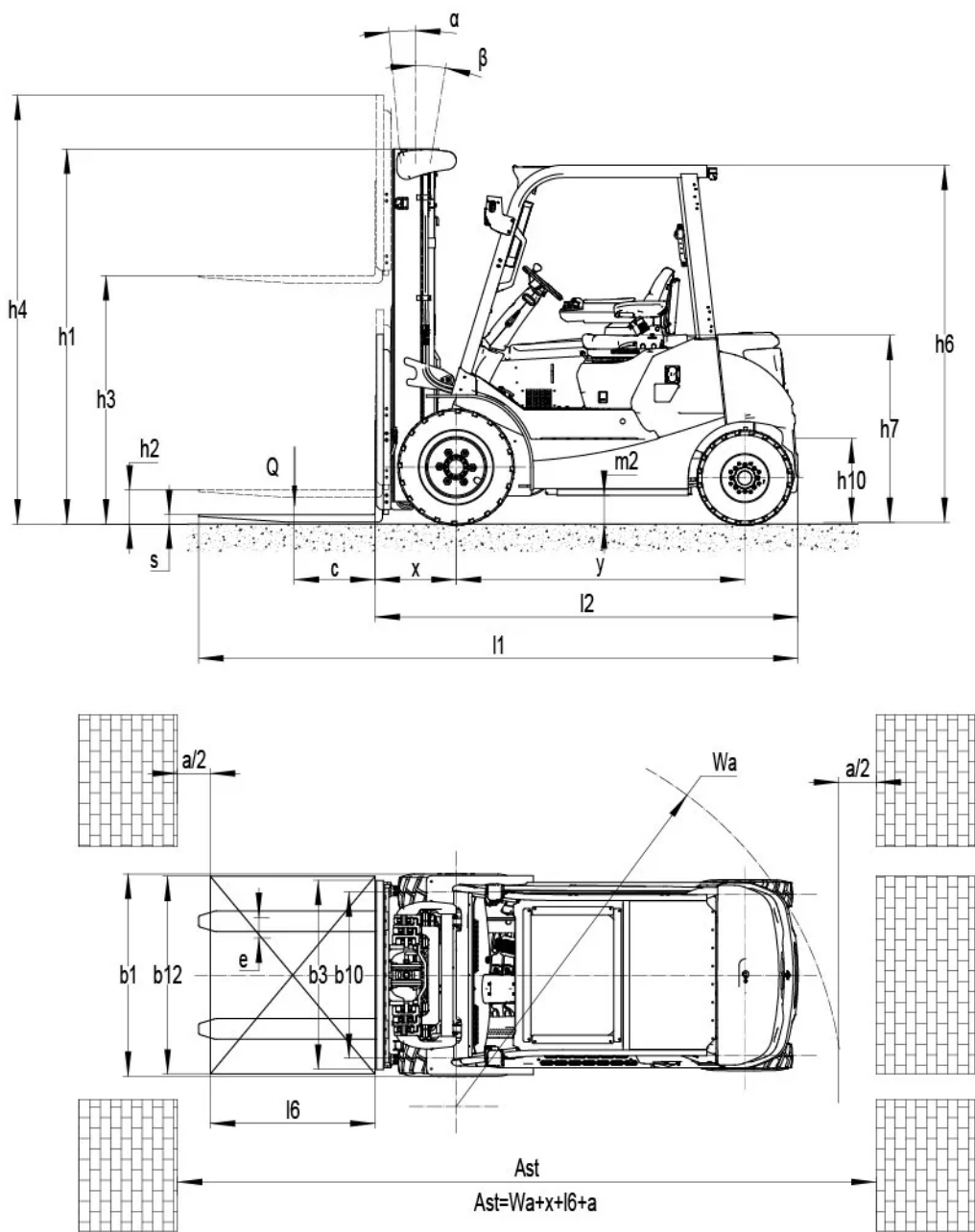
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.2	Model designation			EFL30-PRO
1.3	Drive			Electric
1.4	Operator type			Seated

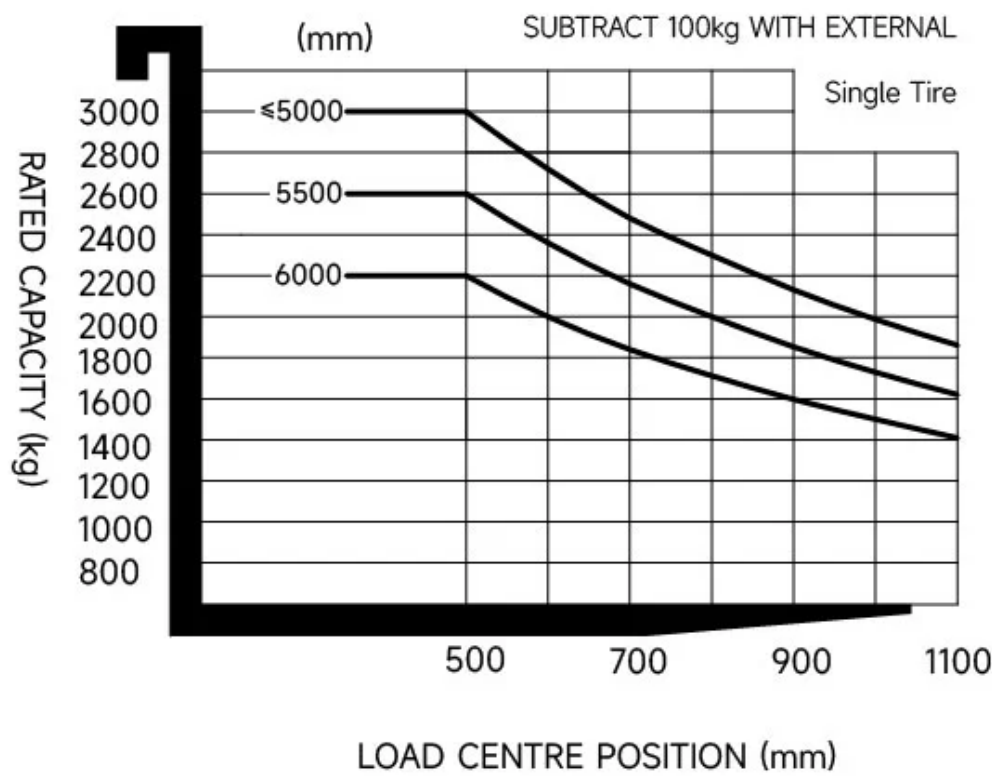
	SPECIFICATION	REF	UNIT	VALUE
1.5	Rated capacity	Q	kg	3000
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	481
1.9	Wheelbase	y	mm	1753
2.1	Service weight		kg	4800
2.2	Axle loading, laden front/rear		kg	6923/873
2.3	Axle loading, unladen front/rear		kg	2234/2566
3.1	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 ₁₀	mm	1010
3.7	Tread width, rear	b ₁₁	mm	980
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/ 6
4.2	Height, mast lowered	h ₁	mm	2065
4.3	Free lift	h ₂	mm	135
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4130
4.7	Height of overhead guard (cabin)	h ₆	mm	2170
4.8	Seat height relating to SIP/stand height	h ₇	mm	1138
4.12	Coupling height	h ₁₀	mm	510
4.19	Overall length	l ₁	mm	3627
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	Fork carriage ISO 2328, class/type A, B			3A
4.24	Fork carriage width		mm	1100
4.31	Ground clearance, laden, below mast		mm	130
4.32	Ground clearance, centre of wheelbase	m ₂	mm	165
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4033
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4233
4.35	Turning radius	Wa	mm	2352
5.1	Travel speed, laden/unladen		km/h	19/20
5.2	Lift speed, laden/unladen		m/s	0.55/0.58

	SPECIFICATION	REF	UNIT	VALUE
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		N	22350
5.8	Max. gradeability, laden/unladen		%	22/28
5.10	Service brake			Hydraulic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	17
6.2	Lift motor rating at S3 15%		kW	30
6.4	Battery voltage/nominal capacity		V/Ah	80V280AH
6.5	Battery weight		kg	184
6.6	Energy consumption according to DIN EN 16796		kWh/h	8.75
6.7	Turnover output according to VDI 2198			180
6.8	Turnover efficiency according to VDI 2198			23.26
8.1	Type of drive unit			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 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.



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)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)	LOAD DISTANCE (X, MM)
2-Standard Mast	2700	1915	3365	3830	135	135	6	6	481
2-Standard Mast	3000	2065	3665	4130	135	135	6	6	481
2-Standard Mast	3300	2215	3965	4430	135	135	6	6	481
2-Standard Mast	3500	2315	4165	4630	135	135	6	6	481
2-Standard Mast	3600	2365	4265	4730	135	135	6	6	481
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	2095	3715	4175	1460	1000	6	6	481
2-Free Mast	3300	2195	4015	4475	1560	1100	6	6	481

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, MM)
2-Free Mast	3600	2345	4315	4775	1710	1250	6	6	481
3-Free Mast	4300	2085	5030	5435	1395	990	6	6	492
3-Free Mast	4500	2165	5270	5675	1475	1070	6	6	492
3-Free Mast	4700	2235	5470	5875	1540	1135	6	6	492
3-Free Mast	4800	2270	5570	5975	1580	1175	6	6	492
3-Free Mast	5000	2355	5720	6125	1665	1260	6	6	492
3-Free Mast	5500	2605	6220	6625	1915	1510	6	6	492
3-Free Mast	6000	2855	6720	7125	2165	1760	6	6	492

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*45*1070 122*45*1150 122*45*1220 Can be customized
Front wheel material	Pneumatic Normal solid Non-marking solid
Rear wheel material	Pneumatic Normal solid Non-marking solid
Battery capacity	80V280AH 80V560AH 80V628AH 80V314AH
Charger	80V60A 80V35A Integrated 80V60A Integrated 80V65A 80V100A 80V150A 80V200A 80V130A(NON-CE)
Battery indicator	With time (Bluetooth)
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 lamp	LED
Rear lamp	No LED
Warning lamp	Yes and not customized
Steering lamp	LED

ITEM	OPTIONS (optional items marked in yellow)
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	No 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
Cabin	No Basic semi-cabin Upgraded semi-cabin Full cabin
Overhead guard	With tempered glass Tempered glass with panoramic view
Clamp interlock	No Yes and not customized
AS/NZS function package	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 system operating mode	Joystick fingertip
Rear armrest horn	Yes and not customized
Height display	No Yes and not customized(Height display+Forward tilt speed limit+High-position lateral shift speed control)
Surround view system	No Yes and not customized(NON-CE)
Weighting system with fork	No Yes and not customized(Hydraulic weighing system)
Area Speed Limit 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