

EFL302

ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 3.0T

 3000 kg  6000 mm  80 V Li-Ion



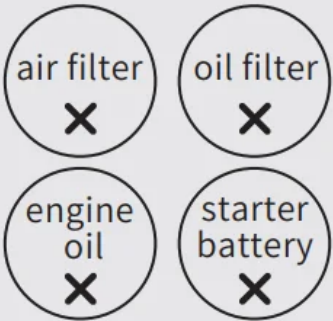
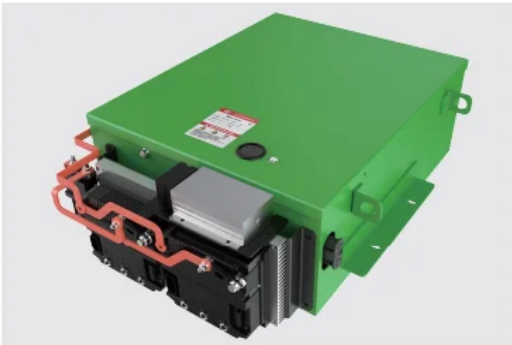
Designed for both indoor warehouses and outdoor yards, the EFL 2 Series excels in logistics centers, production facilities, construction sites, and retail distribution. Its durable structure and powerful traction allow operation on uneven ground, while the compact turning radius and low overall length ensure high maneuverability in tight aisles. The integrated Li-ion battery enables opportunity charging at any time, providing flexible, continuous operation with no battery swaps or downtime.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL302
Battery voltage		V	80
Rated capacity	Q	kg	3000
Load centre distance	c	mm	500
Service weight		kg	4080
Height, mast lowered	h ₁	mm	2070
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4110
Overall length	l ₁	mm	3780
Overall width	b ₁ /b ₂	mm	1230
Length to face of forks	l ₂	mm	2710
Fork dimensions	s/e/l	mm	45×122×1070
Turning radius	Wa	mm	2500
Drive			Electric
Operator type			Seated

Features

Powerful and efficient Li-ion system

The EFL 2 Series features EP's 80V LFP Li-ion battery, providing safe, maintenance-free operation with long service life. Opportunity charging enables 24/7 uptime without battery replacement or water refilling.



IC-like performance, electric efficiency

Thanks to its strong drive motor and hydraulic system, the EFL 2 Series delivers power comparable to diesel forklifts, while reducing energy consumption and noise levels for more comfortable operation.

Outdoor-ready and durable

Built with IPX4 water-resistant protection, large pneumatic tires, and a robust steel frame, the EFL 2 Series can operate reliably outdoors, on wet surfaces, and in light industrial yards.



Smart management with telematics

Integrated telematics provide real-time fleet insights — including truck status, battery analytics, and usage reports — helping operators improve productivity and extend equipment lifespan.

VDI Chart

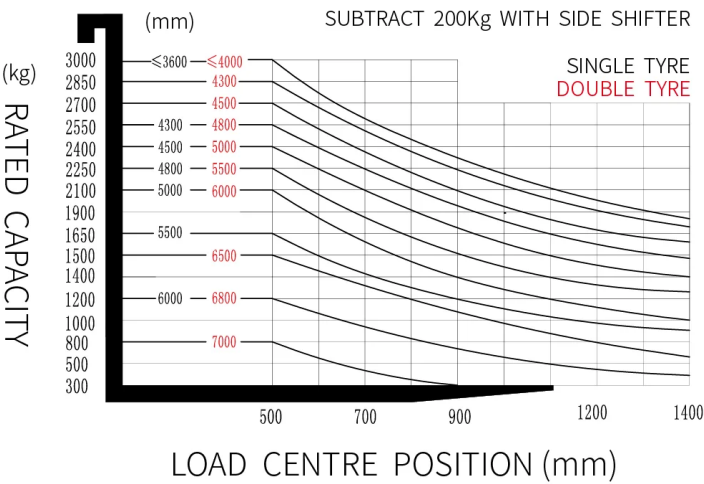
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL302

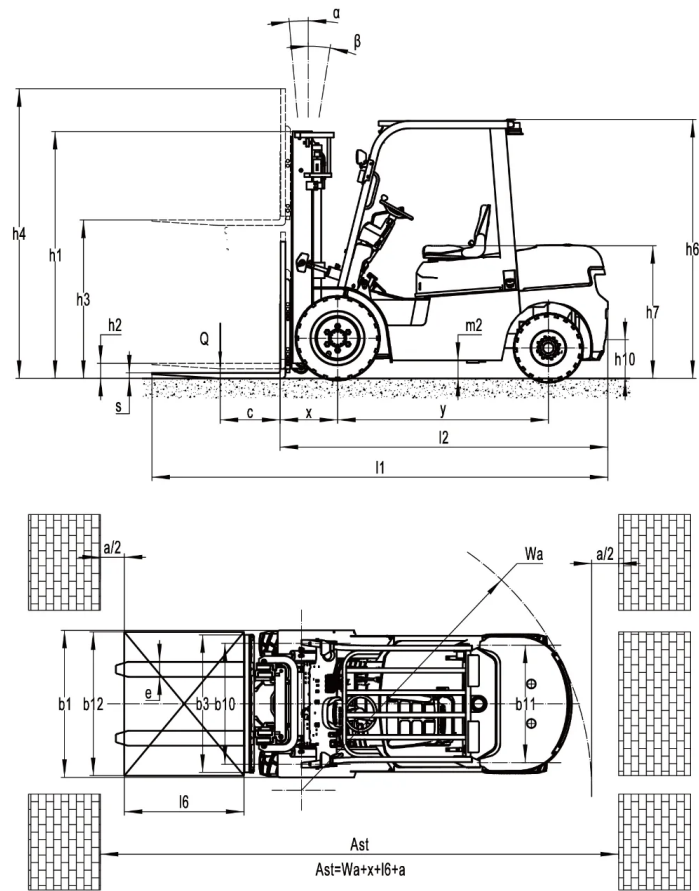
SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	3000
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	481
1.9	Wheelbase	y	mm	1750
2.1	Service weight		kg	4080
2.2	Axle loading, laden front/rear		kg	6420/660
2.3	Axle loading, unladen front/rear		kg	1740/2340
3.1	Tyres			Solidrubber
3.2	Tyre size, front		mm	28X9-15
3.3	Tyre size, rear		mm	6.50-10
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	°	6/10
4.2	Height, mast lowered	h ₁	mm	2070
4.3	Free lift	h ₂	mm	120
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4110
4.7	Height of overhead guard (cabin)	h ₆	mm	2160
4.8	Seat height relating to SIP/stand height	h ₇	mm	1130
4.12	Coupling height	h ₁₀	mm	320
4.19	Overall length	l ₁	mm	3780
4.20	Length to face of forks	l ₂	mm	2710
4.21	Overall width	b ₁ /b ₂	mm	1230
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	1150
4.31	Ground clearance, laden, below mast		mm	120
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4181
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4381
4.35	Turning radius	Wa	mm	2500

	SPECIFICATION	REF	UNIT	VALUE
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
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	160
6.6	Energy consumption according to DIN EN 16796		kWh/h	6.62
6.7	Turnover output according to VDI 2198			185.8
6.8	Turnover efficiency according to VDI 2198			30.66
8.1	Type of drive unit			AC
10.1	Operating pressure for attachments		bar	180
10.2	Oil volume for attachments		ℓ/min	25
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	<74

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.

EFL302
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	3330	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
2-Standard Mast	4000	2610	4630	5095	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	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*45*1070 122*45*1150 122*45*1220 122*45*1370 122*45*1520 122*45*1600 122*45*1700 122*45*1820 122*45*2000 122*45*2200 122*45*2400
Fork carriage width option	1100mm Yes and can be customized
Fork carriage height	1095mm Yes and can be customized
Front wheel material	Pneumatic Solid Non-marking
Rear wheel material	Pneumatic Solid Non-marking
Battery capacity	80V205AH 80V280AH 80V410AH
Charger	80V35A 80V65A 80V130A 80V200A 80V35A integrated 80V60A integrated
Battery indicator	With time
Seat type	Regular Premium Suspension Suspension+seatbelt logic switch Suspension seat with armrest(KL01)
Attachments	No Built-in sideshifter External shifter Fork positioner
Traction pin	Yes
Front lamp	LED

ITEM	OPTIONS (optional items marked in yellow)
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No 2 front 1 rear 2 front+1 rear
Area warning lamp	No Red, 1 left + 1 right
Rearview mirror	One in front Two on sides and one in front
Buzzer	Yes and not customized
OPS system	Yes and not customized
Telematics	Yes and not customized No
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Fan heater	No Yes and not customized