

EFX3-301

LI-ION COUNTERBALANCE FORKLIFT 3.0T

 3000 kg  3000 mm  80 V



The EFL X3 Series is designed for small and medium logistics centers, manufacturing facilities, and rental operations that require a durable electric forklift capable of replacing diesel models. Its solid tires, high ground clearance, and IP-protected structure make it suitable for outdoor conditions, while its tight turning radius (2250 mm) and compact chassis provide exceptional maneuverability in narrow aisles. This all-round versatility makes it a reliable partner for warehouses, loading bay...

SPECIFICATION	REF	UNIT	VALUE
Battery nominal capacity		Ah	100
Battery voltage		V	80
Load capacity	Q	kg	3000
Load centre distance	c	mm	500
Service weight		kg	3920
Retracted mast height	h_1	mm	2070
Lift height	h_3	mm	3000
Height, mast extended	h_4	mm	4110
Overall length		mm	3566
Overall width	b_1/b_2	mm	1154
Length to face of forks	I_2	mm	2496
Fork dimensions	s/e/l	mm	45×122×1070
Turning radius		Wa	2217
Operator type			Seated
Load distance, centre of drive axle to fork		mm	481
Wheelbase		mm	1650

Features

PMSM motor for higher efficiency and performance

The EFL X3 Series adopts advanced Permanent Magnet Synchronous Motor (PMSM) technology, improving power output and extending battery life by up to 10%. The high-efficiency drive delivers smoother acceleration and superior energy management across demanding tasks.

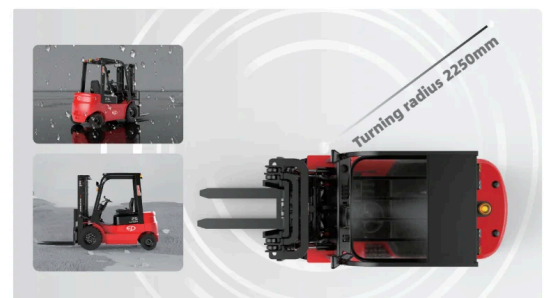


Removable Li-ion battery for flexible operation

Equipped with an 80V/150Ah removable Li-ion battery (optional 280Ah), the truck allows fast side-pull replacement, ideal for continuous operations or areas lacking fixed charging points. Maintenance-free design and opportunity charging ensure maximum uptime and reliability.

Versatile for indoor and outdoor use

Thanks to its solid tires, water-protected chassis, and high ground clearance, the EFL X3 easily handles uneven outdoor terrain while maintaining excellent control indoors. Its 2250 mm turning radius ensures agile maneuvering in compact spaces.





Ergonomic and operator-friendly design

The operator zone includes a simplified dashboard, adjustable steering wheel, and comfortable seating, designed for all-day productivity. Optimized visibility and intuitive controls support precise load handling, reducing fatigue and enhancing safety.

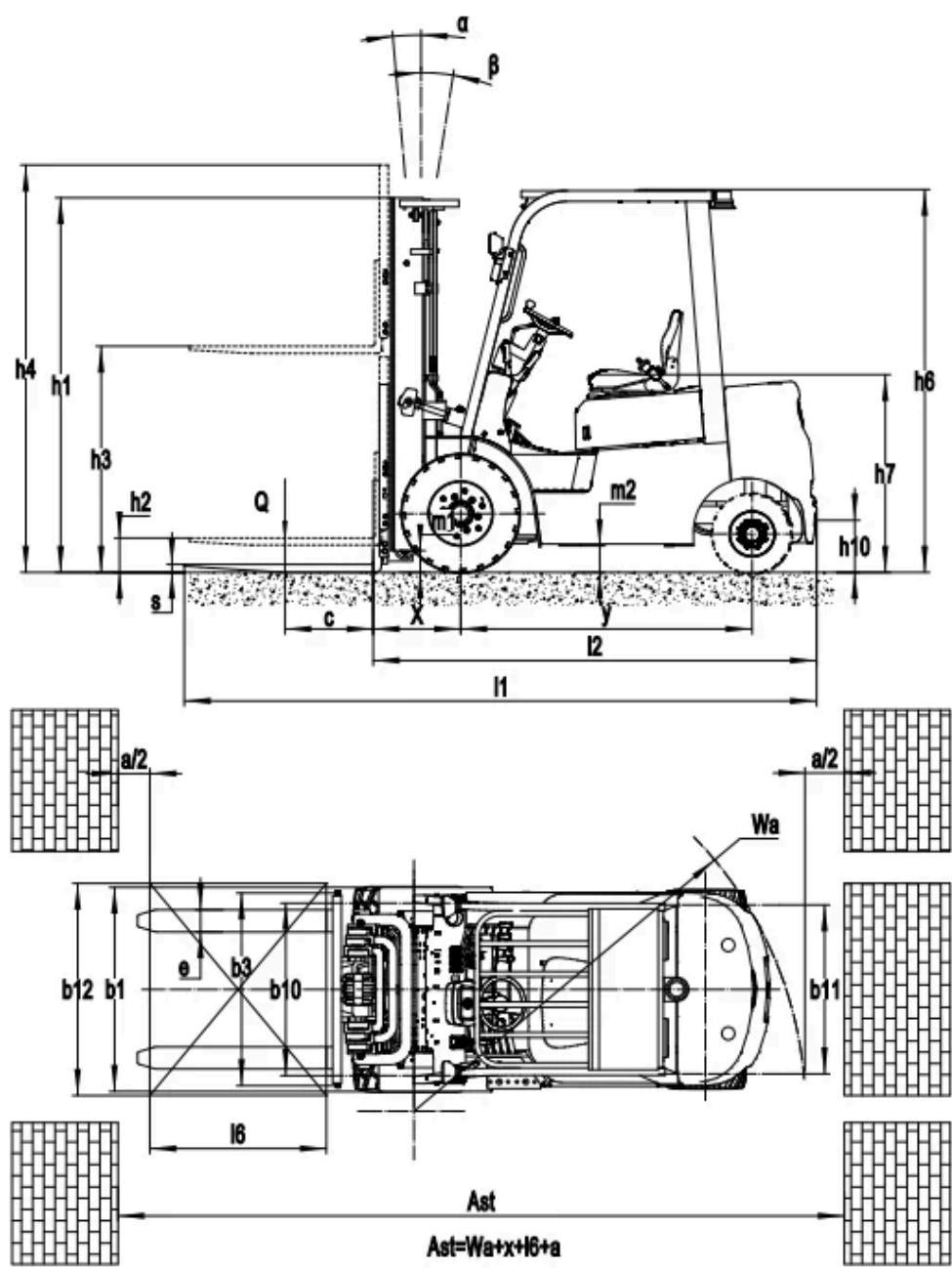
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
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	1650
2.1	Service weight		kg	3920
2.2	Axle loading, laden front/rear		kg	6580/440
2.3	Axle loading, unladen front/rear		kg	1700/2220
3.1	Tyre type			Pneumatic
3.2	Tyre size, front			7.00-12-16PR
3.3	Tyre size, rear			18X7-8-14PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	975
3.7	Tread width, rear	b ₁₁	mm	955
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.10	Height of wheel arms		mm	0
4.12	Tow coupling height		mm	295
4.13	Loading height, unladen			135
4.15	Lowered height			2070
4.16	Length of loading surface			1070
4.18	Width of loading surface			122
4.19	Overall length		mm	3566
4.2	Retracted mast height	h ₁	mm	2070

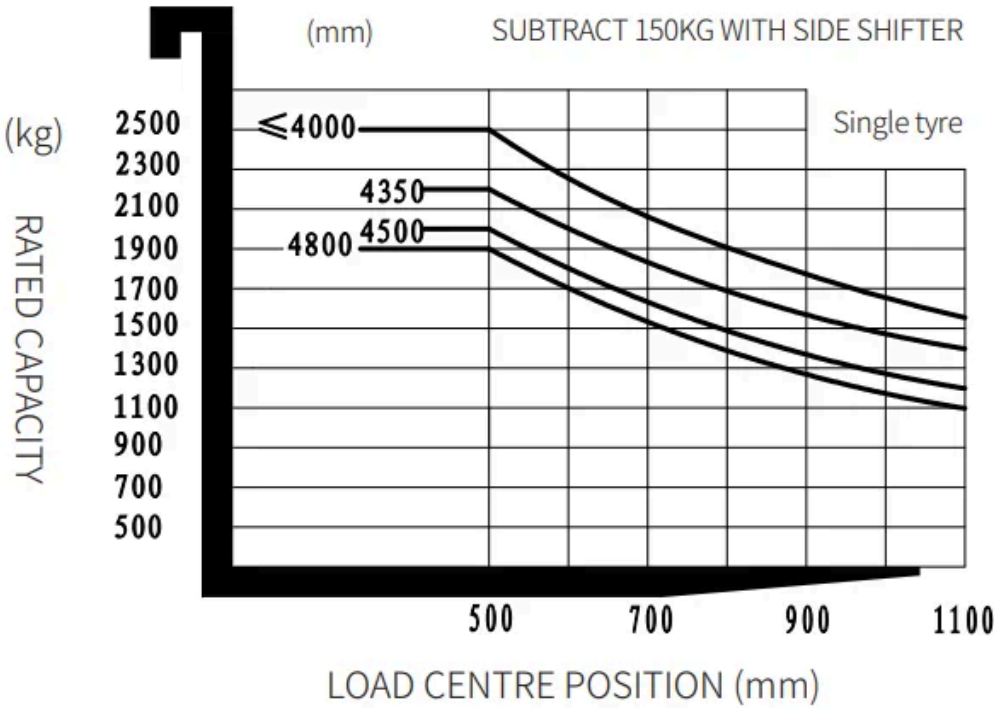
SPECIFICATION		REF	UNIT	VALUE
4.2.1	Overall height			4110
4.20	Length to face of forks	I ₂	mm	2496
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/1	mm	45×122×1070
4.23	A,B Fork carriage class/type A, B			3A
4.24	Fork carriage width		mm	1100
4.25	Distance between fork-arms			2
4.26	Distance between wheel arms/loading surfaces			2
4.3	Free lift		mm	135
4.31	Ground clearance, laden, below mast		mm	110
4.32	Ground clearance, centre of wheelbase		mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3898
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4098
4.35	Turning radius		Wa	2217
4.36	Internal turning radius			2217
4.4	Lift height	h ₃	mm	3000
4.4.1	Max lift height			4800
4.5	Height, mast extended	h ₄	mm	4110
4.6	Initial lift		mm	0
4.7	Height of overhead guard (cabin)		mm	2170
4.8	Seat height/standing height		mm	1110
4.9	Height of tiller handle in drive position min./max.			1110
5.1	Travel speed, laden/unladen		km/h	11/12
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.29/0.36
5.3	Lowering speed, laden/unladen		m/s	0.4/0.43
5.5	Drawbar pull, laden/unladen			0.29/0.36
5.6	Max. drawbar pull, laden/unladen			6580/440
6.1	Drive motor rating S2 60 min		kW	8
6.2	Lift motor rating at S3 15%		kW	16
6.4	Battery nominal capacity		Ah	100
6.4	Battery voltage		V	80
6.5	Battery weight		kg	3920
6.5	Charger output current			Mechanical
6.6	Energy consumption according to DIN EN 16796		kWh/h	4.1 ¹⁾

	SPECIFICATION	REF	UNIT	VALUE
6.7	Turnover output according to VDI 2198			189
6.8	Turnover efficiency according to VDI 2198			46.1
8.1	Type of drive control			PMSM
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	74

VDI Drawing



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELIVING (H4, MM)	HEIGHT, MAST EXTENDED, WITH SHELIVING (H4, MM)	HEIGHT, FREE LIFT, NO SHELIVING (H2, MM)	HEIGHT, FREE LIFT, WITH SHELIVING (H2, MM)
2-Standard Mast	3000	2090	3565	4025	135	135
2-Standard Mast	3300	2240	3865	4325	135	135
3-Free Mast	4500	2115	5065	5525	1550	1090
3-Free Mast	4800	2220	5365	5825	1655	1195

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	1040mm Yes and can be customized
Fork carriage height option	1095mm Yes and can be customized

ITEM	OPTIONS (optional items marked in yellow)
Seat type	Normal Suspension Comfortable + safety belt logic switch Suspension + safety belt logic switch Suspension + armrests + safety belt logic switch
Attachments	No Built-in sideshifter External shifter Fork positioner with sideshift
Traction pin	Yes
Electrostatic chain	Yes
Front wheel material	Normal solid Traceless solid
Rear wheel material	Normal solid Traceless solid
Battery capacity	80V150AH 80V100AH 80V230AH 80V280AH
Charger	80V35A (Internal) 80V65A 80V60A (Internal)
Battery display indicator (BDI)	With hourtime
Area warning lamp	None Red, both sides
Rearview mirror	One in front Two on sides
Buzzer	Yes
OPS system	No Yes and not customized
Telematics	Yes and not customized No
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	None Two in the front One in the rear Two in the front+ One in the rear
Battery side pull function	Yes and not customized
Cabin	No Basic half cabin Upgrade half cabin Full cabin With tempered glass OHG
Battery side pull attachment	No Yes and not customized