EFX2-251

LI-ION COUNTERBALANCE FORKLIFT TRUCK 2.5T

2500 kg | 4800 mm | 80 V Li-Ion

The EFL X2 Series is designed for operators seeking a simple, budget-friendly, and sustainable alternative to internal combustion and second-hand forklifts. Its robust chassis and high ground clearance allow smooth operation on uneven or outdoor surfaces, while the proportional lifting system ensures precision for warehouse stacking. Ideal for rental fleets, light- to medium-duty logistics, retail warehouses, and general manufacturing, it's the perfect entry-level Li-ion forklift for versatile daily use.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFX2-251
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	4116
Height, mast lowered	h_1	mm	2090
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4025
Overall length	l_1	mm	3598
Overall width	b_1/b_2	mm	1154
Length to face of forks	l_2	mm	2528
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	Wa	mm	2258
Drive			Electric
Operator type			Seated

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Features

Efficient PMSM motor technology

The PMSM drive and lift motors deliver consistent torque and energy efficiency. Operators experience smoother lifting, improved responsiveness, and up to 15% energy savings compared to conventional AC systems.

Maintenance-free 80V Li-ion system

Equipped with an 80V/100Ah Li-ion battery and a 35A onboard charger, the EFL X2 Series supports convenient opportunity charging and requires no battery maintenance. The Li-ion system extends runtime and enhances energy reliability for daily operations.

Comfortable and ergonomic operation

An adjustable steering column, ample legroom, and a suspended seat with safety belt ensure operator comfort. The proportional lift system offers precise stacking control, ideal for tight warehouse layouts or sensitive loads.

Versatile for indoor and outdoor use

A waterproof chassis, pneumatic tires, and high ground clearance make the EFL X2 Series suitable for all working environments, from factory floors to outdoor yards. The truck's simple design and durability minimize downtime and operational cost.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFX2-251
1.3	Drive			Electric
1.4	Operator type			Seated

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	SPECIFICATION	REF	UNIT	VALUE
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1650
2.1	Service weight		kg	4116
2.2	Axle loading, laden front/rear		kg	5813/803
2.3	Axle loading, unladen front/rear		kg	1805/2311
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	7.00-12-12PR
3.3	Tyre size, rear		mm	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	α/β	°	6/10
4.2	Height, mast lowered	h_1	mm	2090
4.3	Free lift	h_2	mm	135
4.4	Lift	h_3	mm	3000
4.5	Height, mast extended	h_4	mm	4025
4.7	Height of overhead guard (cabin)	h6	mm	2170
4.8	Seat height relating to SIP/stand height	h7	mm	1100
4.12	Coupling height	h10	mm	445
4.19	Overall length	l_1	mm	3598
4.20	Length to face of forks	l_2	mm	2528
4.21	Overall width	b_1/b_2	mm	1154
4.22	Fork dimensions	s/e/l	mm	40×122×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	1100
4.31	Ground clearance, laden, below mast		mm	110
4.32	Ground clearance, centre of wheelbase	m_2	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3953
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4153
4.35	Turning radius	Wa	mm	2258
5.1	Travel speed, laden/unladen		km/h	11/12
5.2	Lift speed, laden/unladen		m/s	0.29/0.36

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	SPECIFICATION	REF	UNIT	VALUE
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	8
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	100
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	107
6.6	Energy consumption according to DIN EN 16796		kWh/h	6.64
6.7	Turnover output according to VDI 2198			150
6.8	Turnover efficiency according to VDI 2198			31.98
8.1	Type of drive unit			PMSM
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.

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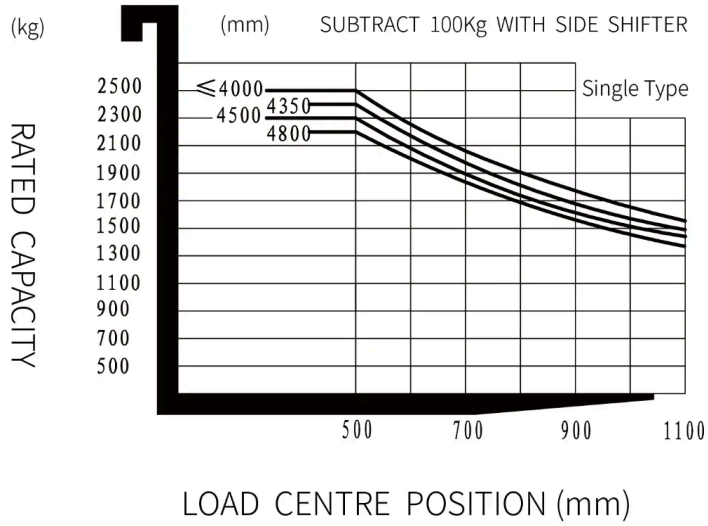
VDI Drawing

RATED CAPACITIES AND LOAD CENTERES GRAPH



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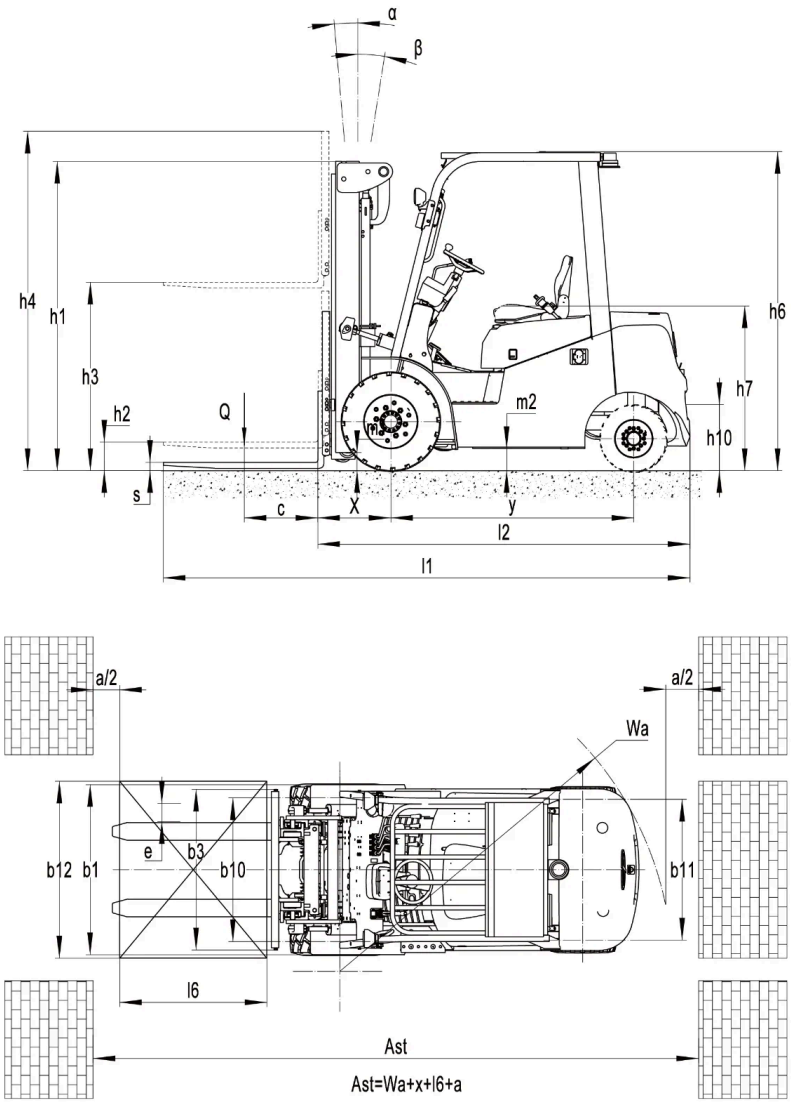

Mast Options

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	3000	2090	3565	4025	120	120
2-Standard Mast	3300	2240	3865	4325	120	120
3-Free Mast	4500	2115	5065	5525	1550	1090
3-Free Mast	4800	2220	5365	5825	1655	1195

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Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*920 | 122*40*1070 | 122*40*1150 | 122*40*1220 | 122*40*1370 | 122*40*1500 | 122*40*1600 | 122*40*1700 | 122*40*1820 | 122*40*1900 | 122*40*2000 | 122*40*2200
Fork carriage width option	1100mm
Backrest height	1025mm
Front wheel material	Pneumatic | Normal solid | Non-marking solid
Rear wheel material	Pneumatic | Normal solid | Non-marking solid
Battery capacity	80V100AH | 80V150AH | 80V230AH | 80V280AH
Charger	80V35A(integrated) | 80V60A (Externa) | 80V60A(integrated) | 80V100A (External,only for 80V230AH&280AH battery)
Battery indicator	With hourmeter
Seat type	Regular+safety belt logic switch | Suspension+safety belt logic switch | Suspension seat with armrest + safety belt swich | Comfortable + safety belt logic switch
Attachments	No | Built-in sideshifter | External shifter
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
Blue lamp	No | Two in the front | One in the rear | Two in the front+ One in the rear
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 | No
USB interface	Yes and not customized
Telematics	Yes and not customized | No
Cabin	No | Upgrade half cabin | Full cabin
Proportional lift system	Yes and not customized
Forks tilt forward and backward	Yes and not customized
Overhead guard	Standard overhead guard | s:Yes and customizable
AS/NZS function package	No | Yes and not customized

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