

EFXZ-251

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 2.5T

 2500 kg  6000 mm  80 V Li-Ion



The EFXZ Series is ideal for warehousing, logistics centers, and manufacturing sites that demand both performance and sustainability. Its pneumatic tires and robust steel chassis provide exceptional stability for indoor and outdoor operations. The remanufactured IC base ensures strength, while the Li-ion power system offers long runtime, fast charging, and reduced maintenance. Available with multiple mast configurations and customizable fork dimensions, the EFXZ series adapts easily to diverse material handling tasks, from pallet transport to high stacking in industrial environments.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFXZ-251
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3900
Height, mast lowered	h ₁	mm	2090
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4025
Overall length	l ₁	mm	3662
Overall width	b ₁ /b ₂	mm	1154
Length to face of forks	l ₂	mm	2592
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	Wa	mm	2316
Drive			Electric
Operator type			Seated

Features

Comprehensive remanufacturing process

Each EFXZ truck is completely disassembled, inspected, and rebuilt in EP’s remanufacturing facility. Critical components such as the chassis and counterweight are refurbished, while the powertrain is replaced with a state-of-the-art lithium-ion system. This ensures the forklift delivers like-new reliability with a fraction of the cost and environmental impact.



Advanced Li-ion technology for maximum efficiency

The EFXZ is powered by EP’s 80V Li-ion battery, available in 150Ah to 410Ah configurations. The lithium system offers fast and opportunity charging, zero maintenance, and consistent power output. Combined with PMSM motors, it provides smoother acceleration, reduced noise, and higher energy efficiency compared to IC models.

Rugged performance with renewed reliability

With load capacities up to 3 tons, travel speeds of 12 km/h, and gradeability up to 20%, the EFXZ performs effortlessly across demanding applications. Its pneumatic tires, reinforced frame, and hydraulic braking system ensure dependable operation on uneven floors and outdoor terrains, meeting the same performance and safety standards as new forklifts.



Sustainable and cost-effective material handling

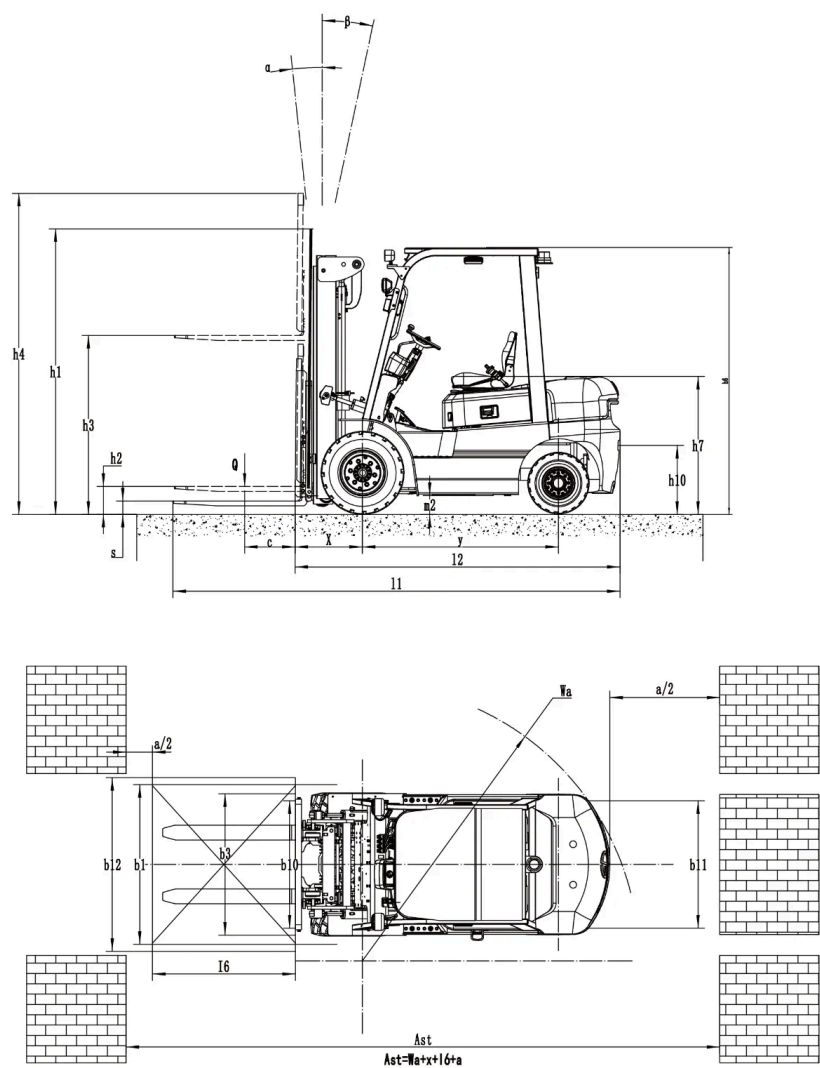
By reusing IC forklift structures and converting them to electric power, the EFXZ Series reduces manufacturing waste and CO₂ emissions. It offers up to 40% lower operational costs, extended service life, and full EP warranty coverage, making it a responsible and economical alternative for fleet upgrades.

VDI Chart

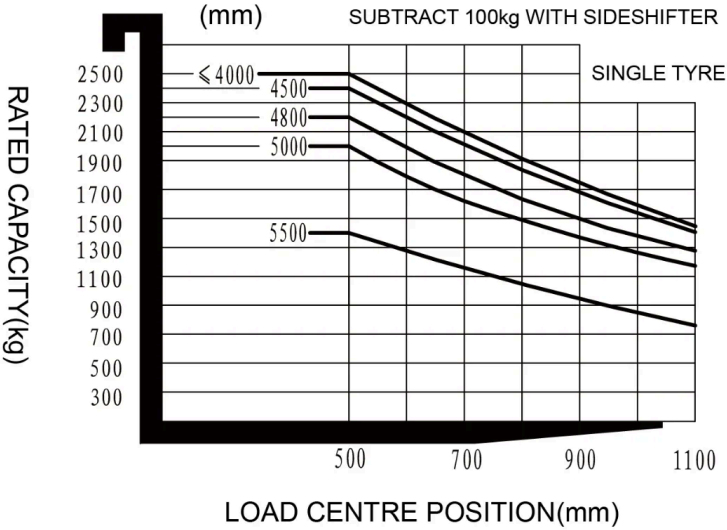
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFXZ-251
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1595
2.1	Service weight		kg	3900
2.2	Axle loading, laden front/rear		kg	5520/880
2.3	Axle loading, unladen front/rear		kg	1460/2440
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	7.00-12-12PR
3.3	Tyre size, rear		mm	6.00-9-10PR
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	975
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	120
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4025
4.7	Height of overhead guard (cabin)	h ₆	mm	2165
4.8	Seat height relating to SIP/stand height	h ₇	mm	1095
4.12	Coupling height	h ₁₀	mm	300
4.19	Overall length	l ₁	mm	3662
4.20	Length to face of forks	l ₂	mm	2592
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	1040
4.31	Ground clearance, laden, below mast		mm	115

	SPECIFICATION	REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4011
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4211
4.35	Turning radius	Wa	mm	2316
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	0.45/0.5
5.8	Max. gradeability, laden/unladen		%	15/20
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	140
6.6	Energy consumption according to DIN EN 16796		kWh/h	6.26
6.7	Turnover output according to VDI 2198			150
6.8	Turnover efficiency according to VDI 2198			26.22
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.



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	3000	2090	3595	4060	120	120
2-Standard Mast	3300	2240	3895	4360	120	120
2-Standard Mast	3500	2340	4095	4560	120	120
2-Standard Mast	3600	2390	4195	4660	120	120
2-Standard Mast	4000	2640	4595	5060	120	120
2-Standard Mast	4500	2890	5095	5560	120	120
2-Free Mast	3000	2035	3765	4100	1345	1010
2-Free Mast	3300	2185	4065	4400	1495	1160
2-Free Mast	3600	2335	4365	4700	1645	1310
3-Free Mast	4300	2035	5020	5355	1470	1010
3-Free Mast	4500	2115	5260	5595	1550	1090
3-Free Mast	4800	2220	5560	5895	1655	1195

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)
3-Free Mast	5000	2305	5710	6045	1740	1280
3-Free Mast	5500	2555	6210	6545	1990	1530
3-Free Mast	6000	2805	6710	7045	2240	1780

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
Front wheel material	Pneumatic Normal solid Non-marking solid
Rear wheel material	Pneumatic Normal solid Non- marking solid
Battery capacity	80V150AH 80V205AH 80V280AH
Charger	80V35A Integrated 80V60A Integrated 80V60A External 80V100A External 80V150A (280AH) EXternal
Battery indicator	With hourmeter Bluetooth without ESP
Seat type	Regular Regular + safety belt logic switch Comfortable comfortable + safety belt logic switch Suspension Suspension + safety belt logic switch Suspension with armrest+ safety belt logic switch
Attachments	No Built-in sideshifter External sideshifter Fork positioner with sideshift 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
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	Yes and not customized
OPS system	Yes and not customized
USB interface	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Telematics	Yes and not customized
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Overhead guard	No With tempered glass
Heating system during lithium battery charging	Yes and not customized No
Operator identification device	No Card reader
Hydraulic system operating mode	Mechanical lever
Wiper water unit	Yes , only with cabin