




EFXZ251

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
Battery type			Li-Ion
Battery nominal capacity		Ah	150
Battery voltage		V	80
Load capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3900
Retracted mast height	h_1	mm	2090
Lift height	h_3	mm	3000
Height, mast extended	h_4	mm	4025
Overall length		mm	3662
Overall width	b_1/b_2	mm	1154
Length to face of forks	l2	mm	2592
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius		Wa	2316
Operator type			Seated
Load distance, centre of drive axle to fork		mm	495

Features

Comprehensive remanufacturing process

Each EFXZ truck is completely disassembled, inspected, and rebuilt in EP's remanufacturing facility. Critical components such as the chassis, front axle, 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.





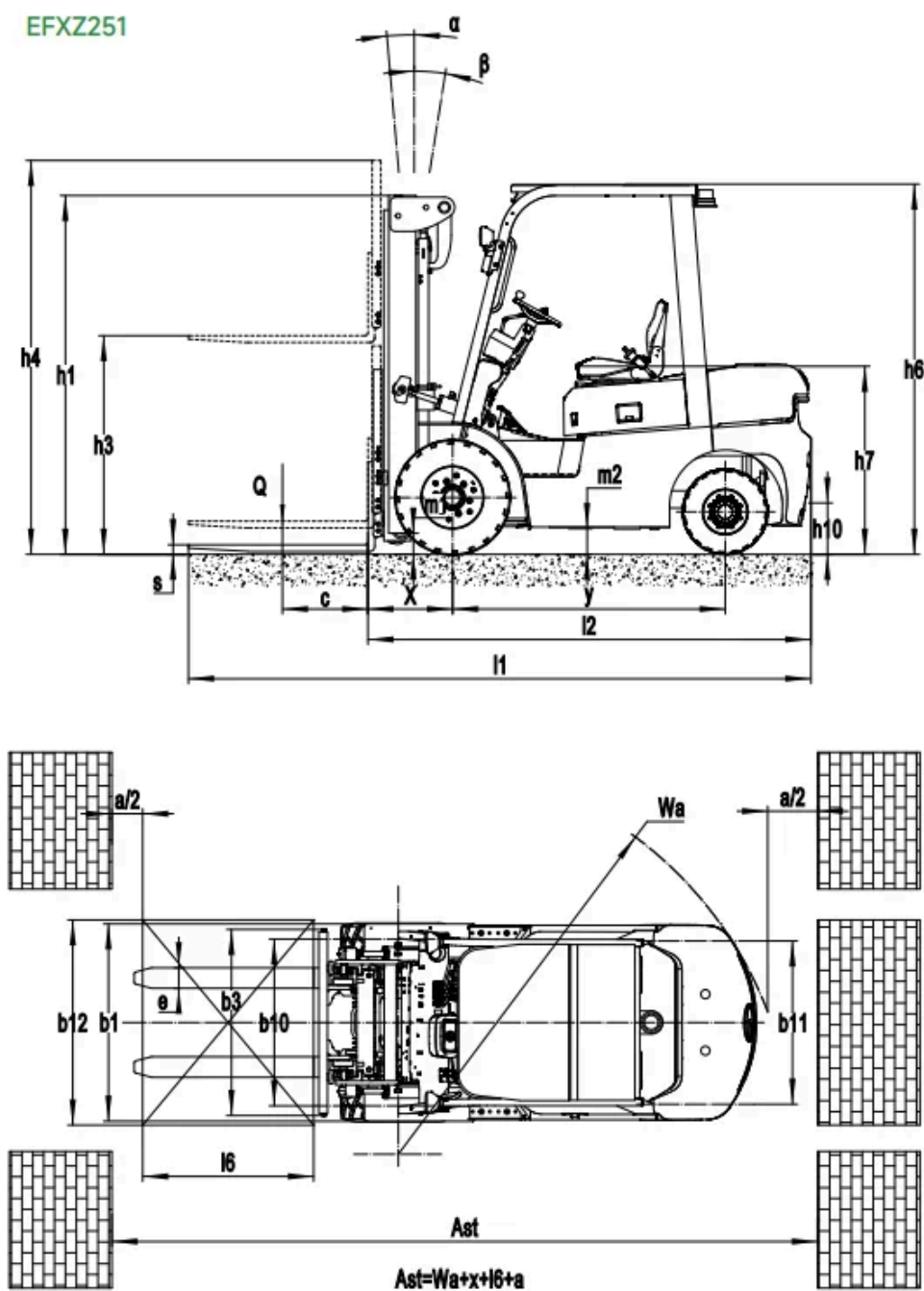
Sustainable and cost-effective material handling

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
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	495
1.9	Wheelbase		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	Tyre type			Pneumatic
3.2	Tyre size, front			7.00-12-12PR
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	975
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.12	Tow coupling height		mm	300
4.19	Overall length		mm	3662
4.2	Retracted mast height	h ₁	mm	2090
4.2.1	Overall height			4025
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

SPECIFICATION		REF	UNIT	VALUE
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	120
4.31	Ground clearance, laden, below mast		mm	115
4.32	Ground clearance, centre of wheelbase		mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	4011
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4211
4.35	Turning radius		Wa	2316
4.4	Lift height	h_3	mm	3000
4.4.1	Max lift height		mm	6000
4.5	Height, mast extended	h_4	mm	4025
4.7	Height of overhead guard (cabin)		mm	2165
4.8	Seat height/standing height		mm	1095
5.1	Travel speed, laden/unladen		km/h	11/12
5.10	Service brake			Hydraulic
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	0.45/0.5
5.8	Max. gradeability, laden/unladen		%	15/20
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	150
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
8.1	Type of drive control			PMSM
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	<74



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

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	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
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
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 3rd valve 3rd+4th valves Duplex mast with 3rd pipe Duplex mast with 3rd +4th pipes Triplex mast with 3rd pipe
Traction pin	Yes and not customized
Electrostatic chain	Yes and not customized
Front wheel material	Pneumatic Normal solid Non-marking solid
Rear wheel material	Pneumatic Normal solid Non- marking solid

ITEM	OPTIONS (optional items marked in yellow)
Battery capacity	80V150AH 80V205AH 80V280AH
Charger	80V35A Integrated 80V60A Integrated 80V60A External 80V100A External 80V150A (280AH) EXternal
Battery display indicator (BDI)	With hourmeter Bluetooth without ESP
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
Telematics	Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes and not customized
Blue lamp	No Rear Front and rear
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 control	Mechanical lever