



EFX252/302

2.5/3.0 ton Li-ion Counterbalance Forklift Truck

LI-ION
TECHNOLOGY

- PMSM technology for better efficiency and performance
- Removable Li-ion battery fitting multi-shift operation better
- All-rounder both for indoor and outdoor usage
- Ergonomic zone for fatigue-free work

Litef Forklift San. Ve Tic. Ltd. Şti.

www.litef.com.tr

P M SM technology for better efficiency and performance

The EFX252/302 adopts permanent magnet synchronous motor (PMSM) technology to deliver longer battery life. This efficiency optimization motor brings better energy savings and maximizes the battery uptime at optimal working scenarios by 10% comparing to regular motors.



PMSM



Longer
uptime



Energy
saving



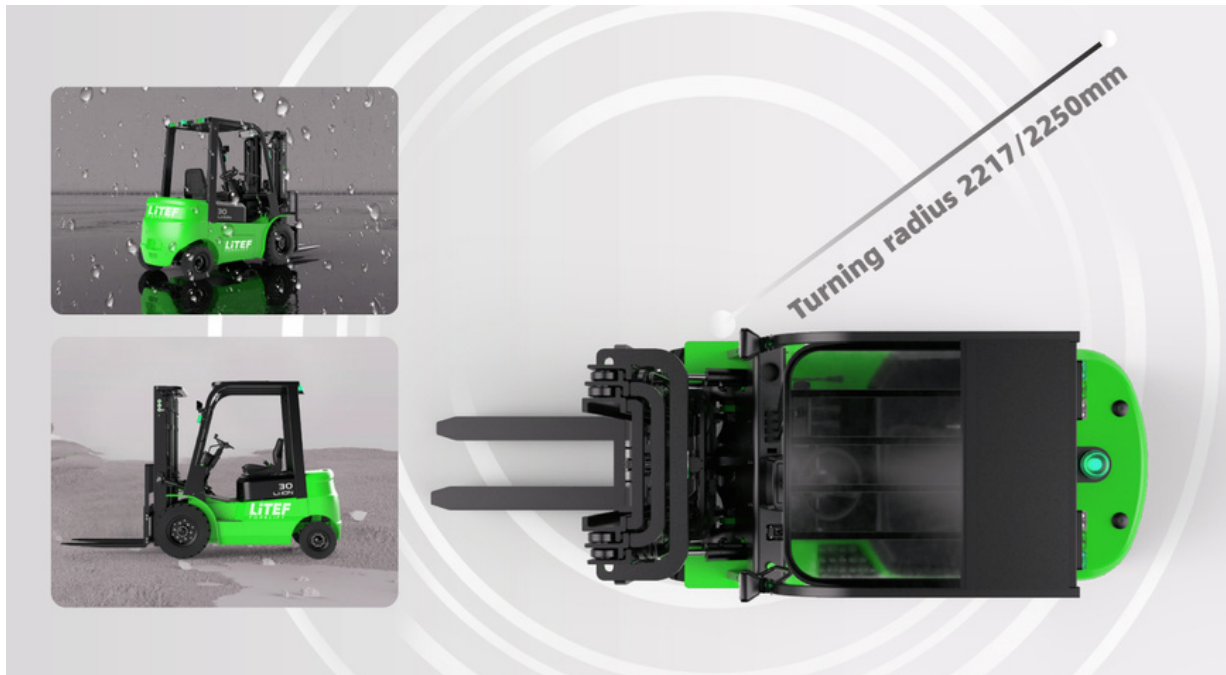
Removable Li-ion battery offering convenience for daily usage

The EFX252/302 is designed around the advantages of lithium technology, equipped with removable 80V/150Ah Li-ion battery as standard. It allows for not only opportunity charging and zero maintenance, but also being laterally pulled and replaced easily, which makes it a helper for rugged environments that lack of charging facilities.



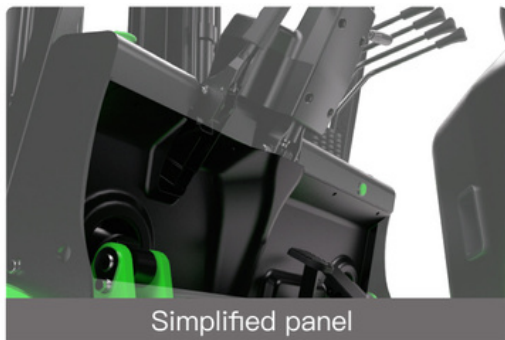
■ All-rounder for both indoor and outdoor usage

The compact EFX series features a small turning radius, 2217mm of EFX252 and 2250mm of EFX302, and its agility ensures handling capacities in tight spaces and narrow aisles. Besides, the EFX252/302 is water-protected and can be operated outdoors, even in the rain.



■ Ergonomic zone for fatigue-free work

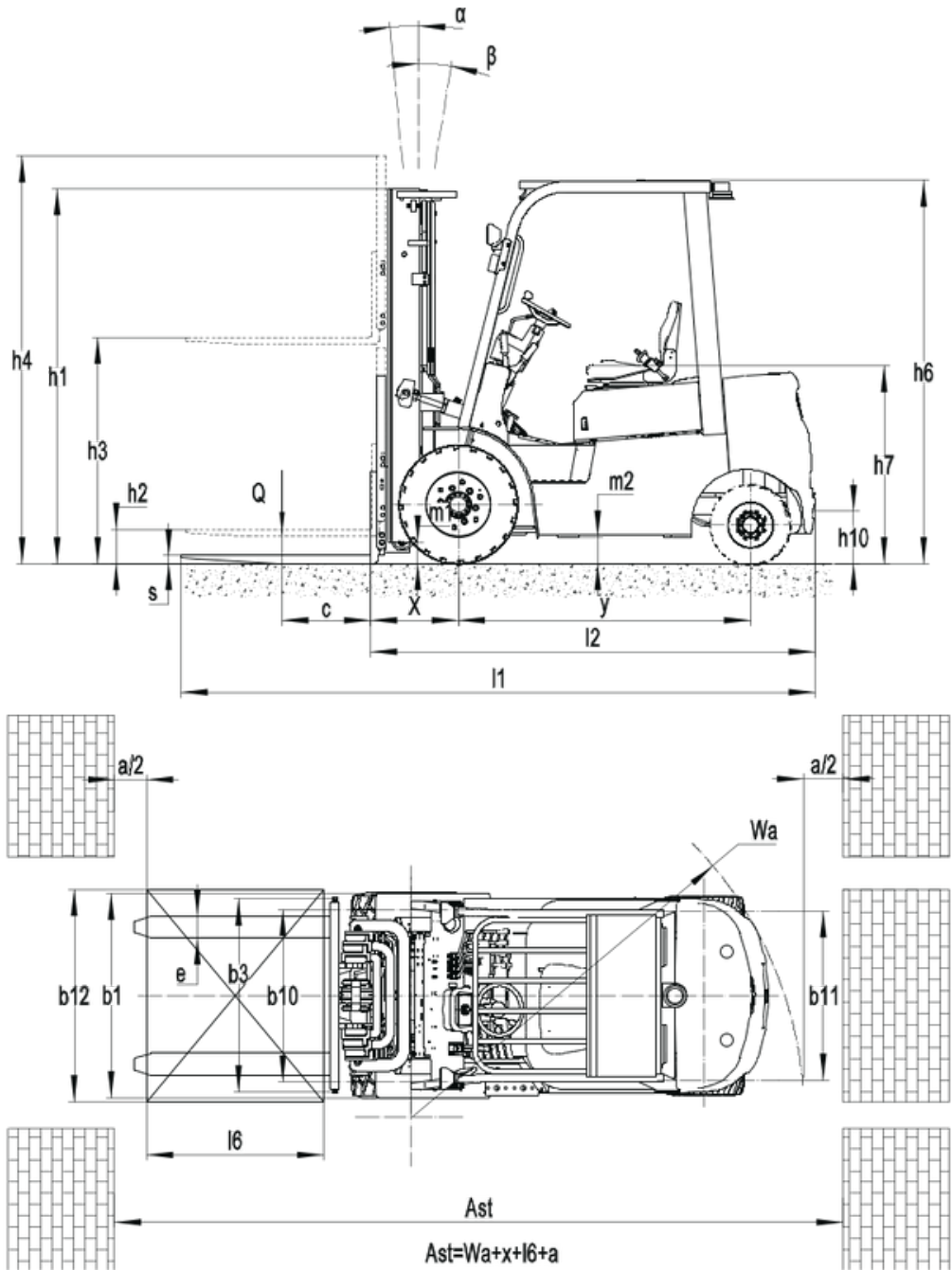
The EFX252/302 comes with a spacious workspace, with a simplified panel, an adjustable steering wheel and a comfortable pedal. All are designed in line with ergonomic considerations for operation comfort.



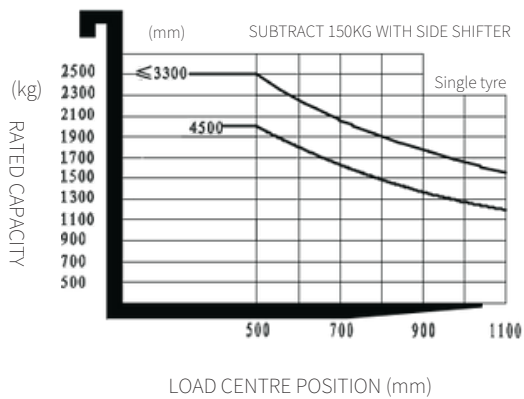
2.5/3.0tonLi-ionCounterbalance Forklift Truck EFX252/302

Distinguishing mark	1.1	M anufac t urer			Litef Forklift	Litef Forklift	
	1.2	Model designation			EFX252	EFX302	
	1.3	Drive			Electric	Electric	
	1.4	Operator type			S eat ed	S eat ed	
	1.5	Load capacity	Q	kg	2500	3000	
	1.6	Load center distance	c	mm	500	500	
	1.8	Load distance , centre of drive axle to fork	x	mm	481	486	
	1.9	W heelbas e	y	mm	1650	1650	
w eelbase	2.1	Service weight		kg	4050	4255	
	2.2	Axle loading, laden front/rear		kg	6580/ 470	6925/ 530	
	2.3	Axle loading, unladen front/rear		kg	1790/ 2260	1805/ 2450	
Tyres/chassis	3.1	Tyre type			Solid rubber	Solid rubber	
	3.2	Tyre size, front			7. 00-12	7. 00-12	
	3.3	Tyre size, rear			18X7-8	18X7-8	
	3.5	Wheels, number front/rear (x=drive wheels)			2x/ 2	2x/ 2	
	3.6	Tread width, front		mm	975	975	
	3.7	Tread width, rear	b10	mm	955	955	
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	b11	mm	6/ 10	6/ 10	
	4.2	Retracted mast height	α/β	°	2070	2070	
	4.3	Free lift	h1	mm	135	135	
	4.4	Lift height	h2	mm	3000	3000	
	4.5	Height, mast extended	h3	mm	4095	4095	
	4.7	Height of overhead guard (cabin)	h4	mm	2170	2170	
	4.8	Seat height/standing height	h6	mm	1110	1110	
	4.12	Tow coupling height	h7	mm	295	295	
	4.19	Overall length	h10	mm	3566	3611	
	4.20	Length to face of forks	l1	mm	2496	2541	
	4.21	Overall width	l2	mm	1154	1154	
	4.22	Fork dimensions	b1/ b2	mm	45× 122× 1070	50× 122× 1070	
	4.23	A,B Fork carriage class/type A, B	s/e/l	mm	3A	3A	
	4.24	Fork carriage width			1040	1040	
	4.31	Ground clearance, laden, below mast	b3	mm	120	120	
	4.32	Ground clearance, center of wheelbase	m1	mm	150	150	
	4. 34. 1	Aisle width for pallets 1000×1200 crossways	m2	mm	3898	3946	
	4. 34. 2	Aisle width for pallets 800×1200 crossways	Ast	mm	4098	4146	
	4.35	Turning radius	Ast	mm	2217	2250	
	Performance data	5.1	Travel speed, laden/unladen	Wa	mm	11/ 12	11/ 12
		5.2	Lifting speed, laden/unladen		km/h	0. 29/ 0. 36	0. 28/ 0. 36
		5.3	Lowering speed, laden/unladen		m/s	0. 4/ 0. 43	0. 4/ 0. 43
5.5		Drawbar pull, laden/unladen		m/s	—	—	
5.6		Max. drawbar pull, laden/unladen		N	—	—	
5.8		Max. gradeability, laden/unladen		N	15/ 15	15/ 15	
5.10		Service brake		%	Hy draulic	Hy draulic	
5.11		Parking brake			M ec hani c al	M ec hani c al	
6.1		Drive motor rating S2 60 min			8	8	
6.2		Lift motor rating at S3 15%			16	16	
		6.4	Battery voltage/nominal capacity		kW	80V 150A H	80V 150A H
		Battery weight		V/Ah	—	—	
		Type of drive control		kg	—	—	
	6.5	Steering design			Hy draulic	Hy draulic	
	8.1	Sound pressure level at the driver's ear			< 74	< 74	
	10.5						
	10.7			dB (A)			

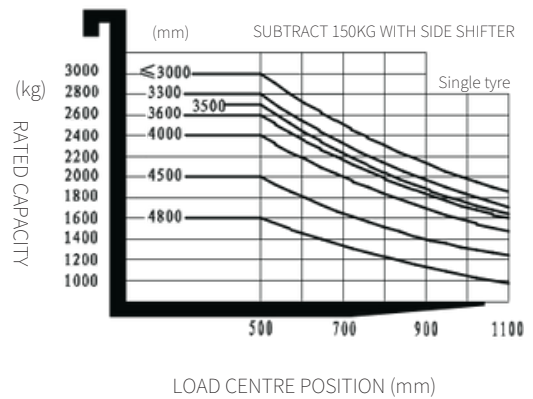
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



EFX252 RATED CAPACITIES AND LOAD CENTERES GRAPH



EFX302 RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Option

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No shelving	With shelving
			No shelving	With shelving		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	3000	2060	3630	4095	120	120
	3300	2210	3930	4395	120	120
3-Free Mast	4500	2120	5130	5595	1490	1025
	4800	2220	5430	5895	1590	1125

Option

No.	Optional items	EFX252	EFX302
1.1	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	122*50*1070 122*50*1150 122*50*1220 122*50*1370 122*50*1520 122*50*1600 122*50*1700 122*50*1820 122*50*2000 122*50*2200 122*50*2420
1.4	Fork carriage width	1040mm	1040mm
1.5	Fork carriage height	1095mm	1095mm
2.5	Front wheel material	solid	solid
2.6	Rear wheel material	solid	solid
2.7	Battery capacity	80V150AH	80V 150A H
2.8	Charger	80V65A external	80V65A external
2.9	Battery indicator	With time	With time
2.10	Seat type	Regular	Regular
2.11	Attachments	External shifter	External shifter
2.13	Traction pin	Yes	Yes
2.14	Electrostatic chain	LED	LED
3.5	Front lamp	No	No
3.6	Rear lamp	Yes	Yes
3.7	Warning lamp	Yes	Yes
3.8	Steering lamp	No	No
3.9	Blue lamp	No	No
3.10	Area warning lamp	1 rearview mirror	1 rearview mirror
3.11	Rearview mirror	Add rearview mirror on both sides	Add rearview mirror on both sides
3.12	Buzzer	No	No
3.17	OPS system	No	No
3.23	Telematics	Yes	No
4.1	Battery side pull function	No	No
4.3	Cabin	No	No
5.1	Battery side pull attachment		

Note: ● Standard ○ Optional - Inconformity