

EFL252X2/302X2

Li-ion Counterbalance Forklift Truck 2500/3000kg



EP
Let's grow together



- The most entry-level and budget-friendly alternative to IC trucks and second-hand trucks
- Maintenance free battery and single phase onboard charger with plug for maximum ease of use
- Proportional lifting system for precise operation
- Lithium technology battery and PMSM technology for better energy efficiency and extended runtime
- Waterproof design, high ground clearance and big tyres for both indoor and outdoor applications



Manufacturer			EP	EP
Model designation			EFL252X2	EFL302X2
Drive			Electric	Electric
Load capacity	Q	kg	2500	3000
Load center distance	c	mm	500	500
Service weight		kg	4116	4125
Retracted mast height	h1	mm	2090	2060
Lift height	h3	mm	3000	3000
Height, mast extended	h4	mm	4025	4095
Length to face of forks	l2	mm	2528	2514
Overall width	b1/b2	mm	1154	1154
Fork dimensions	s/e/l	mm	40×122×1070	45×122×1070
Turning radius	Wa	mm	2258	2258
Travel speed, laden/unladen		km/h	11/12	11/12
Lifting speed, laden/unladen		m/s	0.29/0.36	0.28/0.36
Lowering speed, laden/unladen		m/s	0.4/0.43	0.4/0.43
Max. gradeability, laden/unladen		%	15/15	15/15
Drive motor rating S2 60 min		kW	8	8
Battery voltage/nominal capacity		V/Ah	80V100AH	80V100AH

FEATURE

■ PMSM Technology on traction and lifting motor

Stable power output

10% runtime extended

10-15% energy saving



■ 80V/100Ah Li-ion battery with 35A onboard charger

- Easy opportunity charging thanks to the onboard charger with plug
- Zero maintenance and no gas emission allow to recharge everywhere
- Covering the majority of the applications: from light to medium duty and occasional heavy duties



■ Easy operation experience

- Proportional lifting system for gentle and precise stacking
- Adjustable steering wheel, comfortable legroom and suspended seat
- Easy access to main components



■ Both indoor and outdoor applications available

- Waterproof design
- Big tyres and high ground clearance



Key highlights

Perfect for online sales and rental

The X2 series is designed around simplicity and cost-effectiveness, perfect for online channels, with zero maintenance and low initial costs needed.



Ideal alternative to IC trucks and second-hand trucks

The X2 series is positioned as the most entry-level and budget-friendly Li-ion forklift. It can meet both indoor and outdoor demands thanks to its waterproof design and high ground clearance. To deal with strict environmental regulations, the lithium core produces zero carbon emission and complies with sustainability.

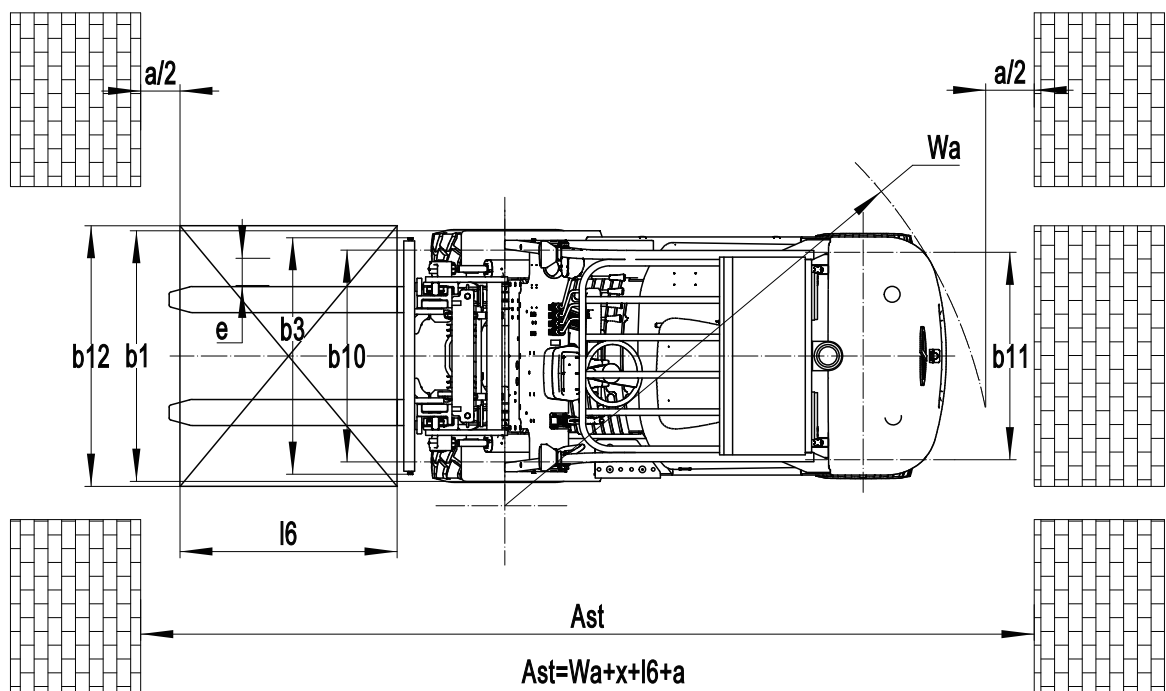
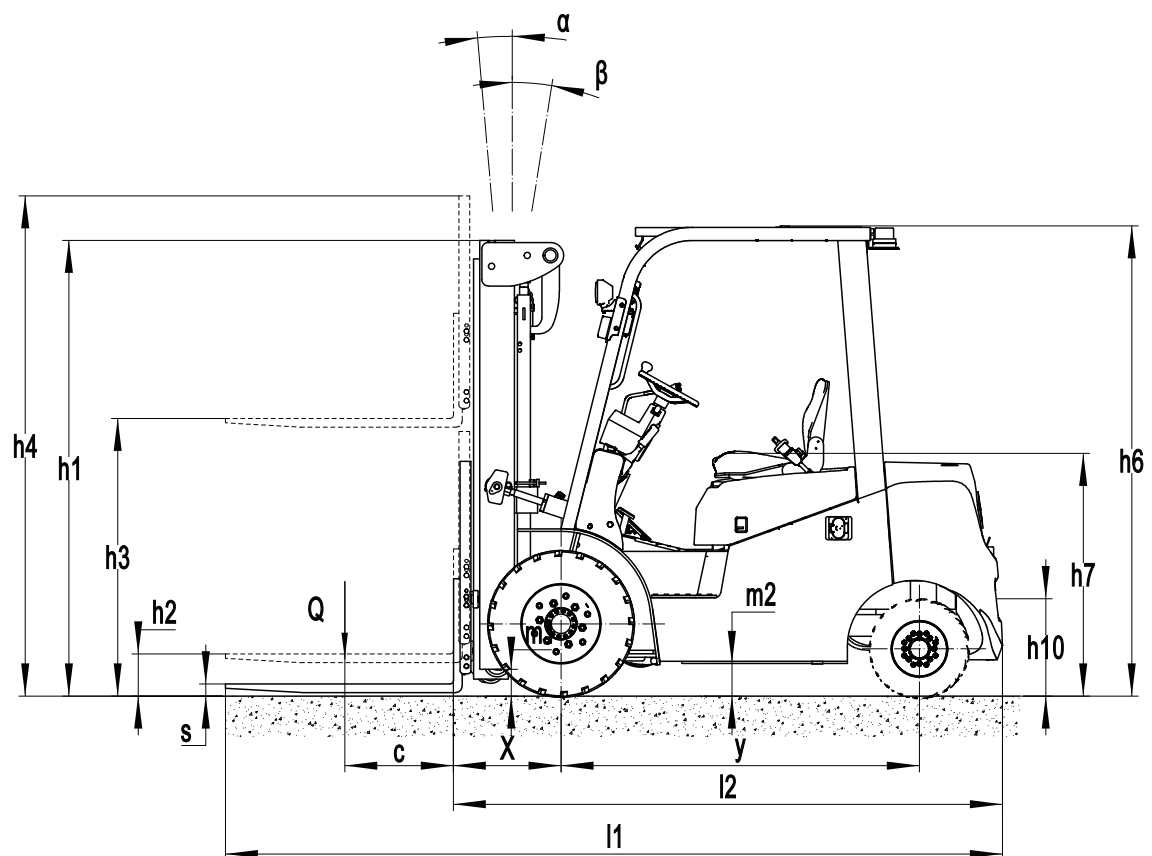


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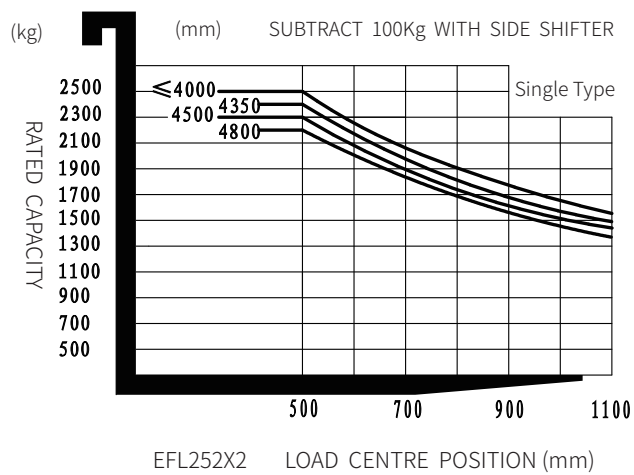
EFL252X2/302X2

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			EFL252X2	EFL302X2
	1.3	Drive			Electric	Electric
	1.4	Operator type			Seated	Seated
	1.5	Load capacity	Q	kg	2500	3000
	1.6	Load center distance	c	mm	500	500
Service weight	1.8	Load distance, centre of drive axle to fork	x	mm	495	481
	1.9	Wheelbase	y	mm	1650	1650
	2.1	Service weight		kg	4116	4125
Tyres/chassis	2.2	Axle loading, laden front/rear		kg	5813/803	6500/625
	2.3	Axle loading, unladen front/rear		kg	1805/2311	1715/2410
	3.1	Tyre type			Pneumatic	Pneumatic
	3.2	Tyre size, front			7.00-12-16PR	7.00-12-16PR
	3.3	Tyre size, rear			18X7-8-14PR	18X7-8-14PR
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2x/ 2	2x/ 2
Dimensions	3.6	Tread width, front	b10	mm	975	975
	3.7	Tread width, rear	b11	mm	955	955
	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/ 10	6/ 10
	4.2	Retracted mast height	h1	mm	2090	2060
	4.3	Free lift	h2	mm	135	135
	4.4	Lift height	h3	mm	3000	3000
	4.5	Height, mast extended	h4	mm	4025	4095
	4.7	Height of overhead guard (cabin)	h6	mm	2170	2170
	4.8	Seat height/standing height	h7	mm	1110	1110
	4.12	Tow coupling height	h10	mm	295	295
	4.19	Overall length	l1	mm	3598	3584
	4.2	Length to face of forks	l2	mm	2528	2514
	4.21	Overall width	b1/b2	mm	1154	1154
	4.22	Fork dimensions	s×e×l	mm	40×122×1070	45×122×1070
	4.23	A,B Fork carriage class/type A, B			2A	3A
	4.24	Fork carriage width	b3	mm	1040	1040
	4.31	Ground clearance, laden, below mast	m1	mm	120	120
	4.32	Ground clearance, center of wheelbase	m2	mm	150	150
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3953	3939
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	4153	4139
Performance data	4.35	Turning radius	Wa	mm	2258	2258
	5.1	Travel speed, laden/unladen		km/h	11/12	11/12
	5.2	Lifting speed, laden/unladen		m/s	0.29/0.36	0.28/0.36
	5.3	Lowering speed, laden/unladen		m/s	0.4/0.43	0.4/0.43
	5.8	Max. gradeability, laden/unladen		%	15/15	15/15
	5.1	Service brake			Hydraulic	Hydraulic
Electric-engine	5.11	Parking brake			Mechanical	Mechanical
	6.1	Drive motor rating S2 60 min		kW	8	8
	6.2	Lift motor rating at S3 15%		kW	16	16
Addition data	6.4	Battery voltage/nominal capacity		V/Ah	80V100AH	80V100AH
	8.1	Type of drive control			PMSM	PMSM
	10.5	Steering design			Hydraulic	Hydraulic
	10.7	Sound pressure level at the driver's ear		dB(A)	< 74	< 74

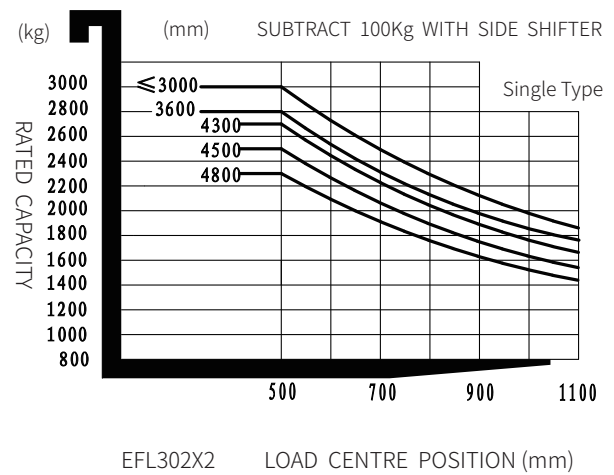
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



RATED CAPACITIES AND LOAD CENTERES GRAPH



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Option

EFL252X2

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

EFL302X2

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	2700	1910	3330	3795	120	120
	3000	2060	3630	4095	120	120
	3300	2210	3930	4395	120	120
	3500	2310	4130	4595	120	120
	3600	2360	4230	4695	120	120
	4000	2610	4630	5095	120	120
2-Free Mast	3000	2040	3630	4095	1410	945
	3300	2190	3930	4395	1560	1095
	3600	2340	4230	4695	1710	1245
3-Free Mast	4300	2040	4930	5395	1410	945
	4500	2120	5130	5595	1490	1025
	4800	2190	5430	5895	1560	1095

Option

Optional items	EFL252X2	EFL302X2
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	●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	●1040mm	●1040mm
Backrest height	●1025mm	●1095mm
Front wheel material	●Pneumatic○Normal solid ○Non-marking solid	●Pneumatic○Normal solid ○Non-marking solid
Rear wheel material	●Pneumatic○Normal solid ○Non-marking solid	●Pneumatic○Normal solid ○Non-marking solid
Battery capacity	●80V100AH○80V150AH ○80V230AH○80V280AH	●80V100AH○80V150AH ○80V230AH○80V280AH
Charger	○80V60A (External) ●80V35A(integrated) ○80V60A(integrated) ○80V100A (External,only for 80V230AH&280AH battery)	○80V60A (External) ●80V35A (integrated) ○80V60A (integrated) ○80V100A (External,only for 80V230AH&280AH battery)
Battery indicator	● With hourmeter	● 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	● 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	●No○Built-in sideshifter ○External shifter
Traction pin	●Yes and not customized	●Yes and not customized
Electrostatic discharge chain	●Yes and not customized	●Yes and not customized
Front lamp	●LED	●LED
Rear lamp	●No○LED	●No○LED
Warning lamp	●Yes and not customized	●Yes and not customized
Turn signal light	●LED	●LED
Blue lamp	● No○ Front and rear○ Rear ○ The front two and the rear one	● No○ Front and rear○ Rear ○ The front two and the rear one
Area warning lamp	●No○Both sides ○Both sides and rear	●No○Both sides ○Both sides and rear
Rearview mirror	● One in front ○ Two on sides	● One in front ○ Two on sides
Buzzer	●Yes and not customized	●Yes and not customized
OPS system	●Yes and not customized○No	●Yes and not customized○No
USB interface	●Yes and not customized	●Yes and not customized
Telematics	●Yes and not customized○No	●Yes and not customized○No
Fan heater	●No○Yes and not customized	●No○Yes and not customized
Speed reduction for elevated mast- Australian standard	●No○Yes and not customized	●No○Yes and customized
Cabin	● No○ Upgrade half cabin ○ Full cabin	● No○ Upgrade half cabin ○ Full cabin
Forks tilt forward and backward	● Yes and not customized	● Yes and not customized
Proportional lift system	●Yes and not customized	●Yes and not customized
Overhead guard	●Standard overhead guard ○Yes and customizable	●Standard overhead guard ○ Yes and customizable
Note: ●Standard ○ Optional - Inconformity		