

EFLA251S

2500kg Li-ion Cushion Forklift Truck



EP
Let's grow together



- Small wheelbase, compact truck size and cushion tyres suitable for indoor applications
- Effortless and simple usage in narrow aisles and confined spaces
- Fast lifting and lowering speed for maximum efficiency
- High residual capacity of 1000kg at 6.55m for high utilization of racking systems
- 80V/460Ah Li-ion battery as option ensures productive operation and long runtime
- Enhanced lifting performance thanks to the optimized hydraulic valve
- Driving compartment with superior visibility and suspension seat allows comfort operation



Manufacturer			EP
Model designation			EFLA251S
Drive			Electric
Load capacity	Q	kg	2500
Load center distance	c	mm	500
Service weight		kg	4510
Retracted mast height	h1	mm	2110
Lift height	h3	mm	4800
Height, mast extended	h4	mm	5838
Length to face of forks	l2	mm	2329
Overall width	b1/b2	mm	1092
Fork dimensions	s/e/l	mm	40/122/1070
Turning radius	Wa	mm	1990
Travel speed, laden/unladen		km/h	17/17
Lifting speed, laden/unladen		m/s	0.61/0.64
Lowering speed, laden/unladen		m/s	0.5/0.5
Max. gradeability, laden/unladen		%	30/17
Drive motor rating S2 60 min		kW	15
Battery voltage/nominal capacity		V/Ah	80/230

FEATURE

■ Compact design and cushion tyres for indoor operations

With a compact wheelbase of 1485mm and an overall width of 1092mm, the EFLA251S model achieves an impressive turning radius of 1990mm, which is 15% smaller than the general purpose EFL253 for indoor and outdoor use. EFLA251S' s dimension allows it to be operated effortlessly in narrow aisles. The cushion tyres are best on smooth concrete surfaces and also help with handling in tight spaces.



■ Li-ion Technology: High energy in a compact size and zero emission

EFLA251S is equipped with 80V/230Ah Li-ion battery and 80V/460Ah Li-ion battery as an option, which offers numerous benefits over traditional internal combustion trucks. Li-ion batteries have a high energy density, allowing them to store a significant amount of energy in a relatively small and lightweight body. This makes them ideal for applications where space and weight constraints are crucial.

More importantly, the zero-emission feature of Li-ion battery makes EFLA251S the golden choice for indoor use as Li-ion trucks emit no toxic gas or chemicals.



■ Lift Higher and Faster

The lifting and lowering speeds have been improved thanks to a larger hydraulic oil hose and optimized valve design, enhancing overall operational efficiency.

EFLA251S offers an optional four-stage mast with three cylinders that can reach up to 7134 mm. This feature ensures that even at heights of up to 6.55 meters, the forklift maintains a residual capacity of 1000 kg.



■ Ergonomics and superior visibility

Despite its compact size, EFLA251S does not compromise on operator comfort. The driving compartment is designed with ample space for ergonomic efficiency, featuring a standard suspension seat that allows for fatigue-free operation. EFLA251S has optimized visibility from the overhead guard, providing the operator with a clear view of their surroundings.

The excellent heat regulation and the standard cushion tyres also contribute to noise reduction, creating a quieter working environment that enhances operator focus and comfort.



✓ A dependable equipment prioritizing safety, efficiency and ease of maintenance.

EFLA251S incorporates several advanced features to ensure the well-being of the operator and the efficiency of operations:

✓ Safety

Floor mat is carved to prevent slippage and enhance safety by providing better traction for the operator.

A speed control system comes as a standard function, ensuring safe turning and reducing the risk of tipping.

An optional mast buffer automatically slows down the lifting speed as the mast reaches the top, preventing abrupt stops and ensure smooth operation.



✓ Easy Maintenance

Maintenance is made easy with a non-bolted front floor and a removable floor mat, allowing for quick repairs or parts replacement, ensuring minimal downtime and maximum productivity. Additionally, the incorporation of a bolted overhead guard (OHG) design further simplifies the maintenance process, with bolted design allowing easy disassembly and reassembly, facilitating access to components that may require servicing or replacement.



✓ Less Noise, More Comfort

The motor controller is strategically placed beside the counterweight for optimal heat regulation, eliminating the need for extra fans.



✓ And more.....

The upgraded look of the forklift, with a rectangular shield-shape counterweight design that complements the overall robust style, makes it not only functional but also aesthetically pleasing.

Additionally, the EFLA251S offers an optional clamp for added versatility. The clamp interlock safety function ensures that the control switch must be activated to operate the clamp, adding an extra layer of safety.

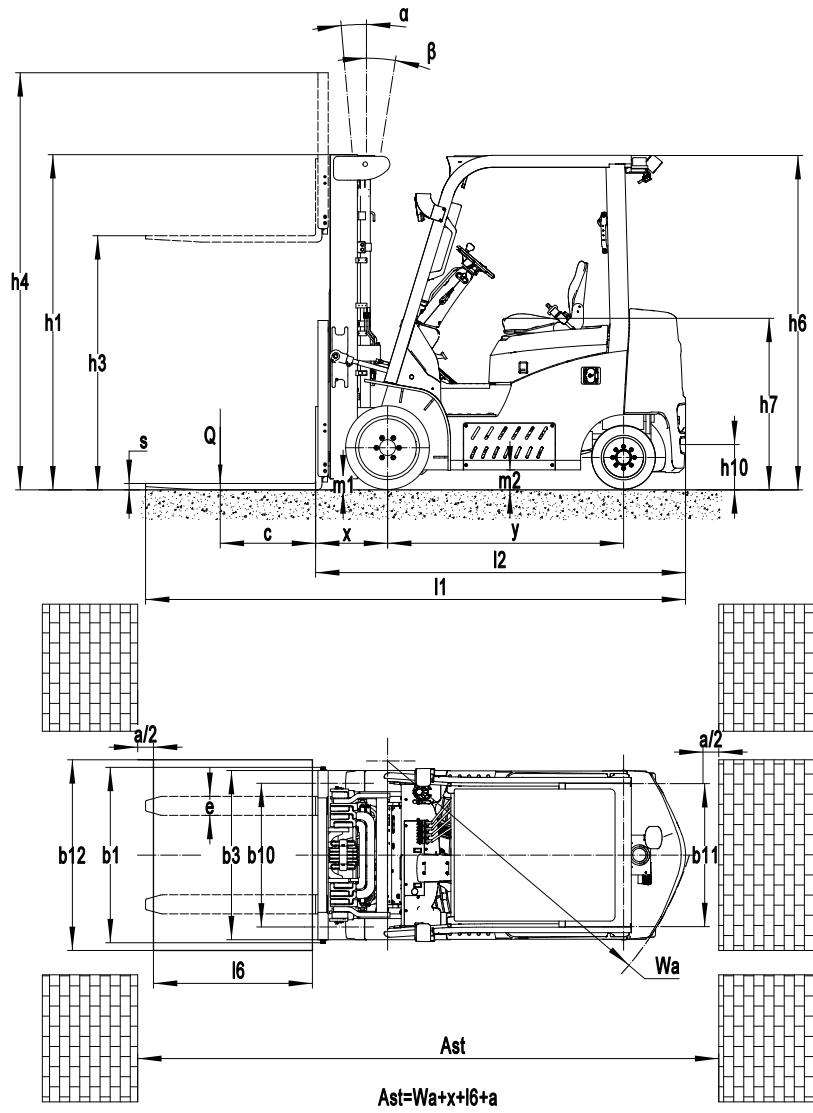


2500kg Li-ion Cushion Forklift Truck

EFLA251S

Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			EFLA251S
	1.3	Drive			Electric
	1.4	Operator type			Seated
	1.5	Load capacity	Q	kg	2500
	1.6	Load center distance	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	454
	1.9	Wheelbase	y	mm	1485
Service weight	2.1	Service weight		kg	4510
	2.2	Axle loading, laden front/rear		kg	5890/890
	2.3	Axle loading, unladen front/rear		kg	2010/2500
Tyres/chassis	3.1	Tyre type			Solid rubber
	3.2	Tyre size, front			21x7-15
	3.3	Tyre size, rear			16x6-10.5
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2x, /2
	3.6	Tread width, front	b10	mm	914
	3.7	Tread width, rear	b11	mm	900
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/5
	4.2	Retracted mast height	h1	mm	2110
	4.3	Free lift	h2	mm	1468
	4.4	Lift height	h3	mm	4800
	4.5	Height, mast extended	h4	mm	5838
	4.7	Height of overhead guard (cabin)	h6	mm	2105
	4.8	Seat height/standing height	h7	mm	1105
	4.12	Tow coupling height	h10	mm	280
	4.19	Overall length	l1	mm	3399
	4.20	Length to face of forks	l2	mm	2329
	4.21	Overall width	b1/b2	mm	1092
	4.22	Fork dimensions	s/e/l	mm	40x122x1070
	4.23	A,B Fork carriage class/type A, B			2A
	4.24	Fork carriage width	b3	mm	1040
	4.31	Ground clearance, laden, below mast	m1	mm	95
	4.32	Ground clearance, center of wheelbase	m2	mm	110
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3664
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	3864
	4.35	Turning radius	Wa	mm	1990
Performance data	5.1	Travel speed, laden/unladen		km/h	17/17
	5.2	Lifting speed, laden/unladen		m/s	0.61/0.64
	5.3	Lowering speed, laden/unladen		m/s	0.5/0.5
	5.8	Max. gradeability, laden/unladen		%	30/17
	5.10	Service brake			Hydraulic
	5.11	Parking brake			Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW	15
	6.2	Lift motor rating at S3 15%		kW	26
	6.4	Battery voltage/nominal capacity		V/Ah	80/230
	6.5	Battery weight		kg	295
Addition data	8.1	Type of drive control			AC
	10.5	Steering design			Hydraulic
	10.7	Sound pressure level at the driver's ear		dB(A)	68

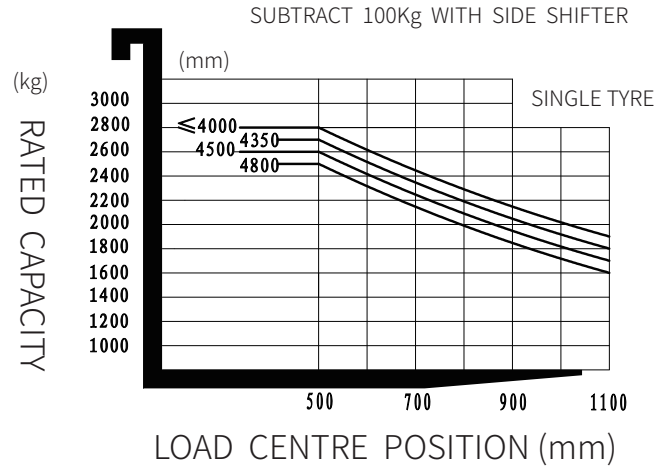
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



Mast Option

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)		Tilt		Load distance(X)
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest	Forward (α)	Backward (β)	
			No backrest	With backrest					
	mm	mm	mm	mm	mm	mm	mm	mm	
2-Standard Mast	3000	2075	3730	4040	120	120	6	5	457.5
	3300	2225	4030	4340	120	120	6	5	457.5
	3600	2375	4330	4640	120	120	6	5	457.5
	4000	2625	4730	5040	120	120	6	5	457.5
	4300	2775	5030	5340	120	120	6	5	457.5
	4500	2875	5230	5540	120	120	6	5	457.5
3-Free Mast	4000	1945	4663	5046	1303	920	6	5	459
	4300	2015	4973	5356	1373	990	6	5	459
	4500	2095	5213	5596	1453	1070	6	5	459
	4800	2110	5455	5838	1468	1085	6	5	459
	5000	2285	5663	6046	1643	1260	6	5	459
	5500	2535	6163	6546	1893	1510	6	5	459
	6000	2785	6663	7046	2143	1760	6	5	459
Quad Mast	5600	2000	6203	6667	1427	963	3	4	509
	6110	2120	6713	7177	1547	1083	3	4	509
	6500	2240	7103	7567	1667	1203	3	4	509
	6556	2254	7159	7623	1681	1217	3	4	509
	6750	2310	7353	7817	1737	1273	3	4	509
	7000	2410	7603	8067	1837	1373	3	4	509
	7200	2500	7803	8267	1927	1463	3	4	509

RATED CAPACITIES AND LOAD CENTERS GRAPH



Option

Optional items	EFLA251S
Fork dimension	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Smooth cushion tires Traded cushion tires Non-marking smooth cushion tires Non-marking traded cushion tires Wide cushion tires
Rear wheel material	<ul style="list-style-type: none"> Smooth cushion tires Traded cushion tires Non-marking smooth cushion tires Non-marking traded cushion tires Wide cushion tires
Battery capacity	80V230AH 80V410AH 80V460AH
Charger	<ul style="list-style-type: none"> 80V35A integrated 80V60A integrated 80V60A 80V100A 80V150A 80V200A (410/460AH)
Battery display indicator (BDI)	<ul style="list-style-type: none"> With time Bluetooth with PSE
Seat type	<ul style="list-style-type: none"> Comfortable + safety belt switch Suspension + safety belt switch Suspension seat with armrest with safety belt switch
Attachments	<ul style="list-style-type: none"> Built-in sideshifter External shifter Fork positioner with sideshift clamp
clamp interlock	<ul style="list-style-type: none"> No Yes and not customized
Traction pin	<ul style="list-style-type: none"> Yes and not customized
Anti-static chain	<ul style="list-style-type: none"> Yes and not customized
Front lamp	<ul style="list-style-type: none"> LED
Rear lamp	<ul style="list-style-type: none"> No LED
Warning lamp	<ul style="list-style-type: none"> Yes and not customized
Turn signal light	<ul style="list-style-type: none"> LED
Blue lamp	<ul style="list-style-type: none"> No Rear Front and rear
Area warning lamp	<ul style="list-style-type: none"> No Red, one on each side One on each side + one on the rear
Rearview mirror	<ul style="list-style-type: none"> one one the front One on the front + two on both sides
Buzzer	<ul style="list-style-type: none"> Yes and not customized
OPS system	<ul style="list-style-type: none"> Yes and not customized
USB interface	<ul style="list-style-type: none"> USB with A and C type
Telematics	<ul style="list-style-type: none"> Yes and not customized
Turn speed control	<ul style="list-style-type: none"> No Yes and not customized
Heating system during lithium battery charging	<ul style="list-style-type: none"> No Yes and not customized
Operator identification device	<ul style="list-style-type: none"> No Card reader
Lifting electronic limit	<ul style="list-style-type: none"> No Yes and not customized
Hydraulic Oil Cooler	<ul style="list-style-type: none"> Yes and not customized
Hydraulic control	<ul style="list-style-type: none"> Mechanical lever
Rear armrest horn	<ul style="list-style-type: none"> Yes and not customized
Cabin	<ul style="list-style-type: none"> No
Overhead guard	<ul style="list-style-type: none"> With tempered glass No
Note: ●Standard ○ Optional	