

EFLA251S

LI-ION CUSHION FORKLIFT TRUCK 2.5T

 2500 kg
  7200 mm
  80 V Li-Ion



Tight Spaces & Narrow Aisles:With a small width and turning radius, this compact electric forklift is ideal for navigating narrow aisles and confined spaces.

Warehouses & Retail Environment: With a compact size and a fast lifting / lowering speed, this forklift truck ideal for stocking shelvesand moving inventory within the store.

Occasional Outdoor Usage: The tempered glass roof allows operation outdoors even on rainy days.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFLA251S
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	4530
Height, mast lowered	h_1	mm	2110
Lift	h_3	mm	5000
Height, mast extended	h_4	mm	6020
Overall length	l_1	mm	3399
Overall width	b_1/b_2	mm	1065
Length to face of forks	l_2	mm	2329
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	Wa	mm	1990
Drive			Electric
Operator type			Seated

Features

Compact design and cushion tyres for indoor operations

With a compact wheelbase of 1485mm and an overall width of 1065mm, 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 offers 230Ah, 410Ah and 460Ah Li-ion battery as options, which offers numerous benefits over traditional lead-acid 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 emits 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 6550 mm. The forklift maintains a residual capacity of 1000 kg at heights of 6550 mm.





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 have optimized visibility through improved cylinder layout, 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.

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.....

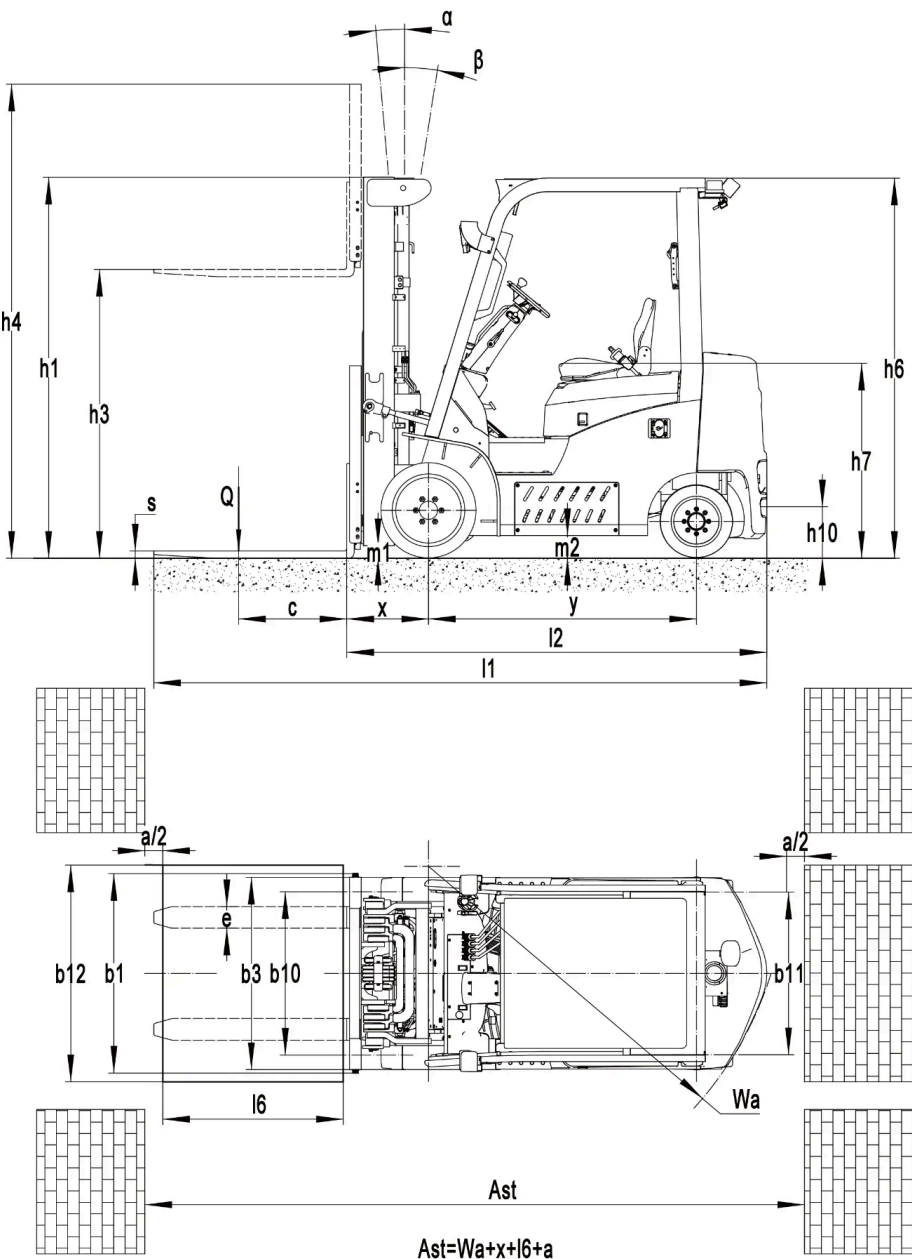
The upgraded look of the forklift, with a rectangular shield-shape counterweight design that complements the overall robust style, makes it not only functional but also aesthetically pleasing. Additionally, the EFLA251S offers an optional clamp for added versatility. The clamp interlock safety function ensures that the control switch must be activated to operate the clamp, adding an extra layer of safety.

VDI Chart

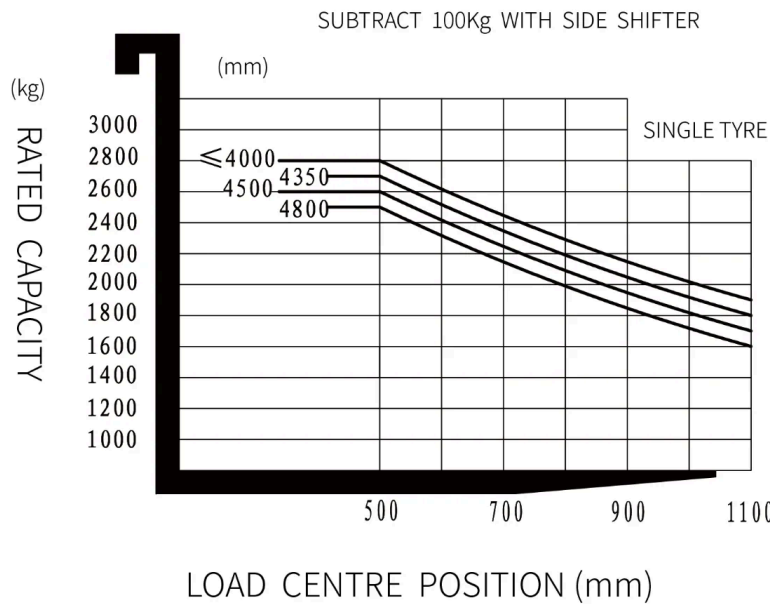
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFLA251S
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	459
1.9	Wheelbase	y	mm	1485
2.1	Service weight		kg	4530
2.2	Axle loading, laden front/rear		kg	6100/930
2.3	Axle loading, unladen front/rear		kg	2007/2523
3.1	Tyres			Solidrubber
3.2	Tyre size, front		mm	21x7-15
3.3	Tyre size, rear		mm	16x6-10.5
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	905
3.7	Tread width, rear	b ₁₁	mm	900
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/5
4.2	Height, mast lowered	h ₁	mm	2110
4.3	Free lift	h ₂	mm	1640
4.4	Lift	h ₃	mm	5000
4.5	Height, mast extended	h ₄	mm	6020

	SPECIFICATION	REF	UNIT	VALUE
4.7	Height of overhead guard (cabin)	h6	mm	2105
4.8	Seat height relating to SIP/stand height	h7	mm	1105
4.12	Coupling height	h10	mm	280
4.19	Overall length	l ₁	mm	3399
4.20	Length to face of forks	l ₂	mm	2329
4.21	Overall width	b ₁ /b ₂	mm	1065
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	70
4.32	Ground clearance, centre of wheelbase	m ₂	mm	110
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3444
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3544
4.35	Turning radius	Wa	mm	1990
5.1	Travel speed, laden/unladen		km/h	17/17
5.2	Lift 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		%	17/30
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	12
6.2	Lift motor rating at S3 15%		kW	26
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	80/460
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	295
8.1	Type of drive unit			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	< 76

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 CENTERS 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	2075	3730	4040	120	120
2-Standard Mast	3300	2225	4030	4340	120	120
2-Standard Mast	3600	2375	4330	4640	120	120
2-Standard Mast	4000	2625	4730	5040	120	120
2-Standard Mast	4300	2775	5030	5340	120	120
2-Standard Mast	4500	2875	5230	5540	120	120
3-Free Mast	4000	1945	4663	5046	1303	920
3-Free Mast	4300	2015	4973	5356	1373	990
3-Free Mast	4500	2095	5213	5596	1453	1070
3-Free Mast	4800	2110	5455	5838	1468	1085
3-Free Mast	5000	2285	5663	6046	1643	1260
3-Free Mast	5500	2535	6163	6546	1893	1510

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	6000	2785	6663	7046	2143	1760
Quad Mast	5600	2000	6203	6667	1427	963
Quad Mast	6110	2120	6713	7177	1547	1083
Quad Mast	6550	2254	7159	7623	1681	1217
Quad Mast	6750	2310	7359	7823	1737	1273
Quad Mast	7000	2410	7609	8073	1837	1373
Quad Mast	7200	2500	7809	8273	1927	1463

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	Smooth cushion tires Traded cushion tires Non-marking smooth cushion tires Non-marking traded cushion tires Wide cushion tires
Rear wheel material	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	80V35A integrated 80V60A integrated 80V60A 80V100A 80V150A 80V200A(410/460AH)
Battery indicator	With time Bluetooth with PSE
Seat type	Comfortable + safety belt switch Suspension + safety belt switch Suspension seat with armrest with safety belt swich
Attachments	Built-in sideshifter External shifter Fork positioner with sideshift clamp
Traction pin	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

ITEM	OPTIONS (optional items marked in yellow)
Area warning lamp	No Red, one on each side One on each side + one on the rear
Rearview mirror	one on the front One on the front + two on both sides
Buzzer	Yes and not customized
OPS system	Yes and not customized
USB interface	USB with A and C type
Telematics	Yes and not customized
Cabin	No
Overhead guard	No With tempered glass
Clamp interlock	No Yes and not customized
Anti-static chain	Yes and not customized
Turn speed control	No Yes and not customized
Heating system during lithium battery charging	No Yes and not customized
Operator identification device	No Card reader
Lifting electronic limit	No Yes and not customized
Hydraulic system operating mode	Mechanical lever
Rear armrest horn	Yes and not customized