



EFS151

3-WHEEL LI-ION COUNTERBALANCE FORKLIFT 1500KG

1500 kg 4500 mm 48 V Lead Acid/Li-ion



EFS151 features a compact design, perfect for light to medium duty applications in confined space with low ceilings, such as malls, underground parking garages, cargo lifts and old factories. This lithium powered truck is able to meet multi-shift working needs thanks to opportunity charging.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead Acid/Li-ion
Battery nominal capacity K5		Ah	150
Battery voltage		V	48
Rated capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	2200
Height, mast lowered	h_1	mm	1980
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4054
Overall length	l_1	mm	2717
Overall width	b_1/b_2	mm	1060
Length to face of forks	l_2	mm	1797
Fork dimensions	s/e/l	mm	40×100×920
Turning radius	Wa	mm	1535
Manufacturer			EP
Model designation			EFS151

Features

Ideal for space with low-ceilings

EFS151 demonstrates a compact design especially at the height (<2.0m) which makes it an ideal tool to perform the tasks in space with low ceilings such as malls, old factories, underground parking garage, cargo lifts and older warehouses -- even with a 3F4350 mast. This 3-wheel truck also features a small turning radius 1535mm and light weight 2200kg, offering great maneuverability in narrow aisles and mezzanines.



Lithium technology with integrated charger

EFS151 adopts a maintenance-free 48V/150Ah Li-ion battery and 48V/50A internal charger, which delivers more charging convenience and increased uptime due to opportunity charging, better fitting in 24/7 operations.

A 48V/180Ah AGM version with a 48V/30A external charger is also available.

Bluetooth preventive service app for maintenance efficiency

EFS151 guarantees a high level of maintenance efficiency with EP preventive service app that enables operators to connect the truck via bluetooth for parameter changes and monitoring as well as diagnostics trouble code reading without a handheld unit.



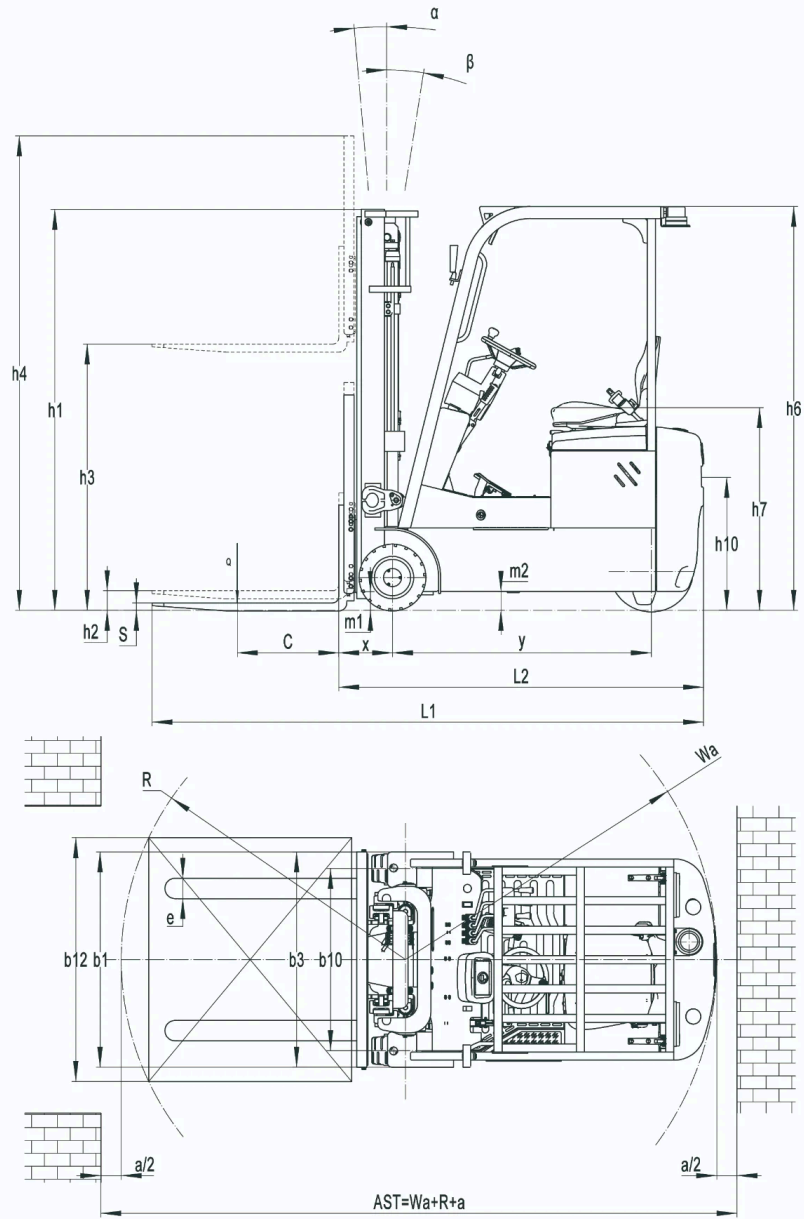
Market-proven components

EFS151 adopts market-proven reliable components that encourage its long service life.

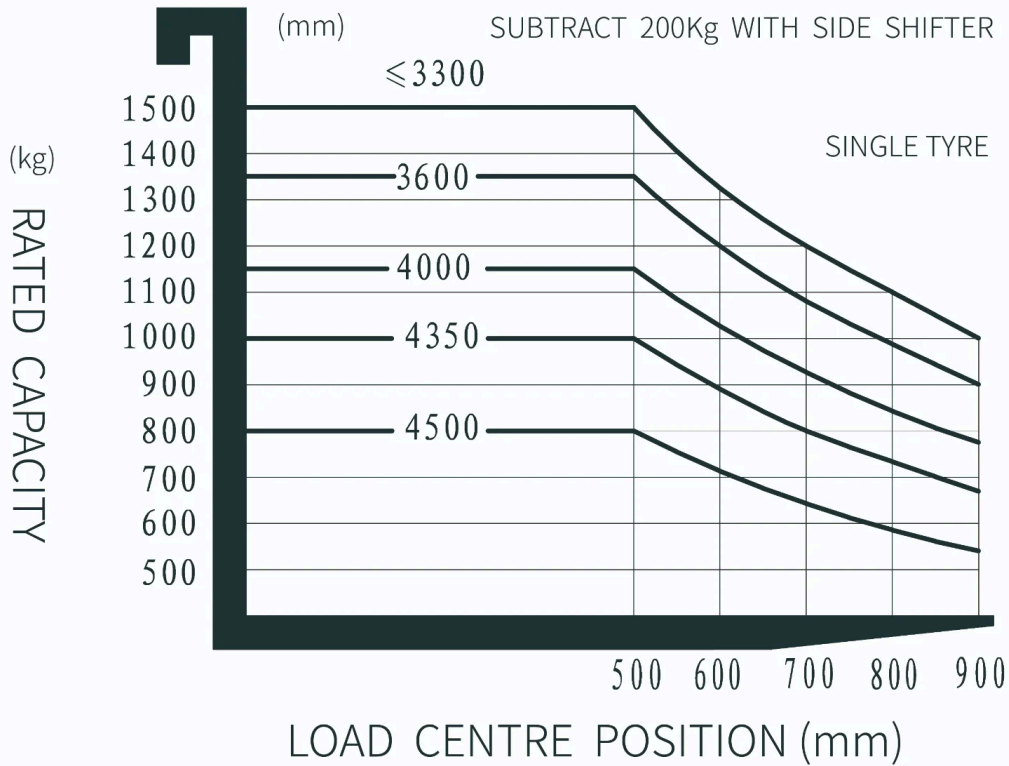
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFS151
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	265
1.9	Wheelbase	y	mm	1275
2.1	Service weight		kg	2200
2.2	Axle loading, laden front/rear		kg	3290/410
2.3	Axle loading, unladen front/rear		kg	890/1310
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	330×145
3.3	Tyre size, rear		mm	16×6-8
3.5	Wheels, number front/rear (x=drive wheels)			2/1x
3.6	Tread width, front	b ₁₀	mm	905
4.1	Tilt of mast/fork carriage forward/backward		°	3/5
4.2	Height, mast lowered	h ₁	mm	1980
4.3	Free lift	h ₂	mm	100
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4054
4.7	Height of overhead guard (cabin)	h ₆	mm	1995
4.8	Seat height relating to SIP/stand height	h ₇	mm	985
4.12	Coupling height	h ₁₀	mm	660
4.19	Overall length	l ₁	mm	2717
4.20	Length to face of forks	l ₂	mm	1797
4.21	Overall width	b ₁ /b ₂	mm	1060
4.22	Fork dimensions	s/e/l	mm	40×100×920
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	90
4.32	Ground clearance, centre of wheelbase	m ₂	mm	78

SPECIFICATION		REF	UNIT	VALUE
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3200
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3000
4.35	Turning radius	Wa	mm	1535
5.1	Travel speed, laden/unladen		km/h	8/9
5.2	Lift speed, laden/unladen		m/s	0.25/0.3
5.3	Lowering speed, laden/unladen		m/s	0.44/0.425
5.8	Max. gradeability, laden/unladen		%	10/12
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	6
6.2	Lift motor rating at S3 15%		kW	5.5
6.4	Battery nominal capacity K5		Ah	150
6.4	Battery voltage		V	48
6.4.1	Battery type			Lead Acid/Li-ion
8.1	Type of drive unit			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	70



RATED CAPACITIES AND LOAD CENTERES 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	2500	1730	3046	3554	100	100
2-Standard Mast	2700	1830	3246	3754	100	100
2-Standard Mast	3000	1980	3546	4054	100	100
2-Standard Mast	3300	2130	3846	4354	100	100
2-Standard Mast	3600	2280	4146	4654	100	100
2-Free Mast	3000	2010	3546	4054	1494	986
2-Free Mast	3300	2160	3846	4354	1644	1136
2-Free Mast	3600	2310	4146	4654	1794	1286
3-Free Mast	4000	1830	4546	5054	1314	806

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	4350	1980	4896	5404	1464	956
3-Free Mast	4500	2030	5046	5554	1514	1006

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*920 100*40*1070 100*40*1100 100*40*1150 100*40*1220 100*40*1370 100*40*1520
Fork carriage width option	1068mm Yes and can be customized
Fork carriage height option	1028mm Yes and can be customized
Front wheel material	Solid
Rear wheel material	Solid
Battery capacity	48V150AH(Li-ion) 48V180AH(AGM)
Charger	48V50A internal(Li-ion) 48V30A internal (Li-ion) 48V30A external(AGM)
Battery display indicator (BDI)	With hourmeter
Seat type	Regular Premium
Attachments	No Built-in sidershifter External shifter Sidershift fork positioner
Traction pin	Yes
Front lamp	LED
Rear lamp	No LED
Warning lamp	YES
Blue lamp	No 2 front 1 rear 2 front + 1 rear
Area warning lamp	No Red, 1 left + 1 right
Rearview mirror	One Rearview mirror Two Rearview mirrors
Buzzer	YES
OPS system	No Yes and not customized
Telematics	No Yes and not customized