

EFL504-6

HIGH CAPACITY ELECTRIC COUNTERBALANCED FORKLIFT 5T

 5000 kg  3000 mm



The EFL 96V series is designed for heavy-duty material handling applications in manufacturing plants, logistics hubs, construction sites, shipyards and ports. It's ideal for industries such as building materials, metals, woods and large-diameter pipes. The market-proven 96V Li-ion technology benefits those who want to extend their fleet capability with lower ownership and lower barrier on technical strength.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL504-6
Battery voltage/nominal capacity		V/Ah	96V/560AH
Rated capacity	Q	kg	5000
Load centre distance	c	mm	600
Service weight		kg	7600
Height, mast lowered	h ₁	mm	2400
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4361/3996
Overall length	l ₁	mm	4370
Overall width	b ₁ /b ₂	mm	1495
Length to face of forks	l ₂	mm	3150
Fork dimensions	s/e/l	mm	60×150×1220
Turning radius	Wa	mm	2730
Drive			Electric
Operator type			Seated

Features

Family-style design with upgraded details and driving comfort

Minimize upfront investment: budget-friendly and worry-free after service

Market-proven 96V Li-ion battery with opportunity charging and zero maintenance

Hydraulic power brake system for stable performance in all conditions

Load-sensing hydraulics for 5% higher energy efficiency

VDI Chart

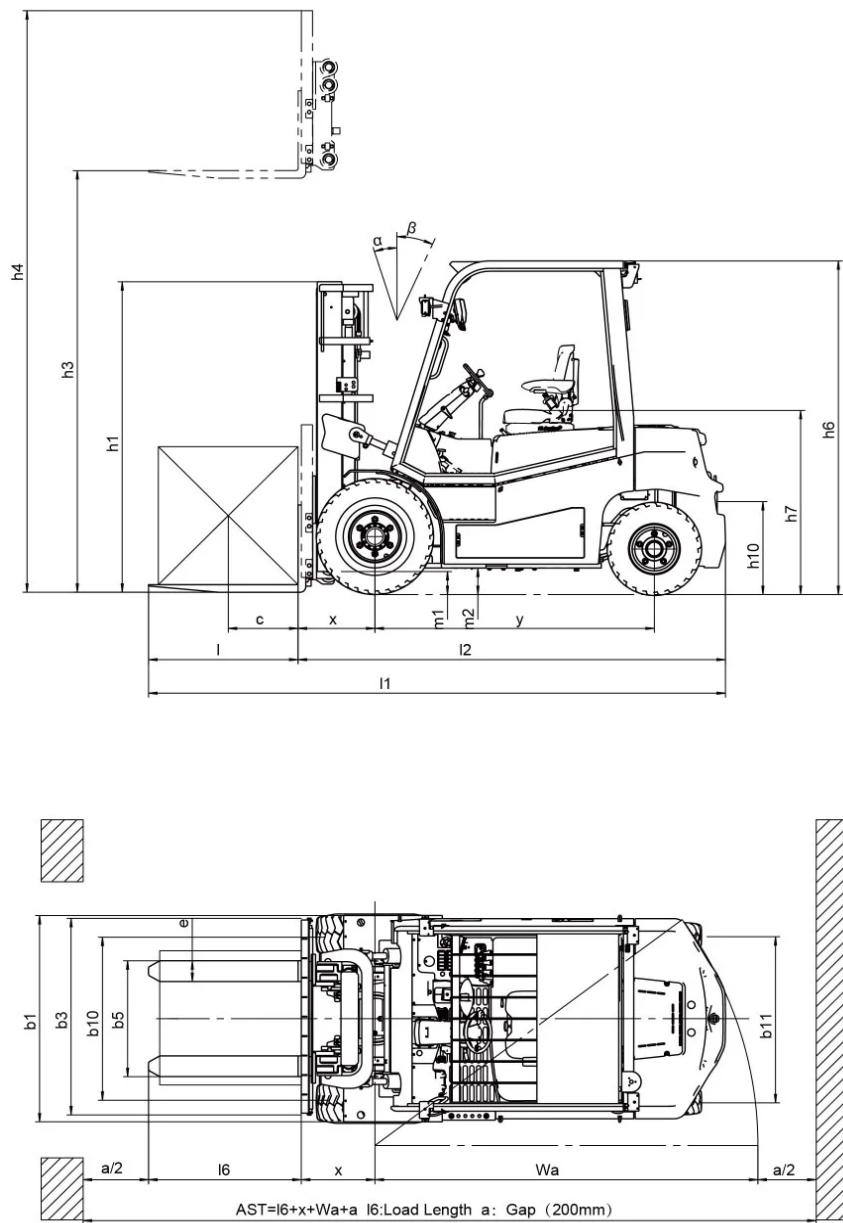
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL504-6
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	5000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	555
1.9	Wheelbase	y	mm	2000
2.1	Service weight		kg	7600
2.2	Axle loading, laden front/rear		kg	11195/1405
2.3	Axle loading, unladen front/rear		kg	3308/4292
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	300-15-20PR
3.3	Tyre size, rear		mm	7.00-12-14PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	1176

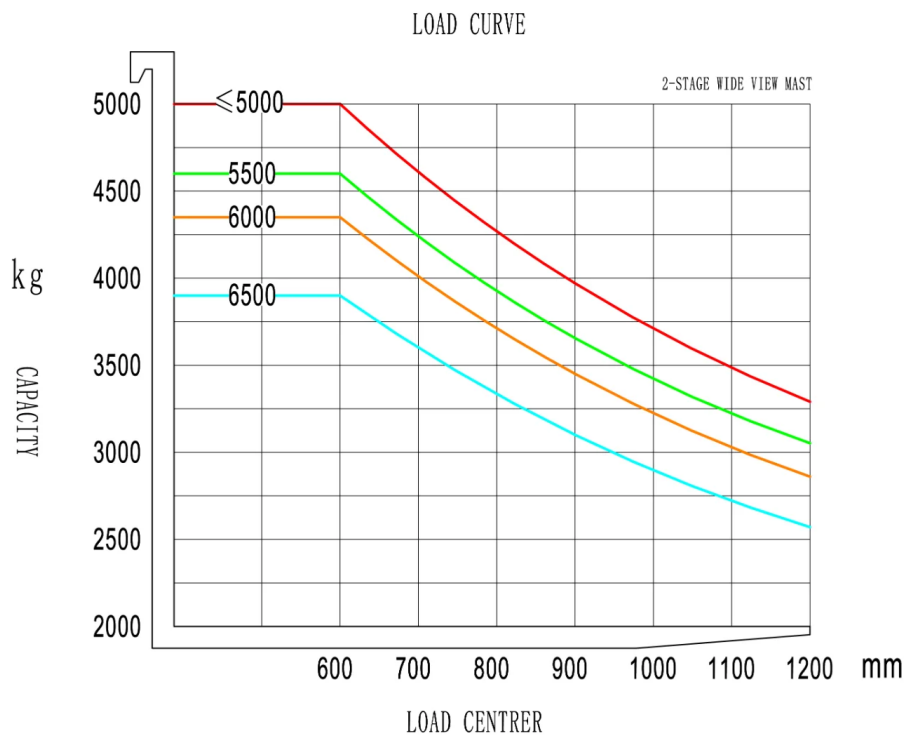
SPECIFICATION		REF	UNIT	VALUE
3.7	Tread width, rear	b ₁₁	mm	1190
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12
4.2	Height, mast lowered	h ₁	mm	2400
4.3	Free lift	h ₂	mm	160
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4361/3996
4.7	Height of overhead guard (cabin)	h ₆	mm	2400
4.8	Seat height relating to SIP/stand height	h ₇	mm	1290
4.12	Coupling height	h ₁₀	mm	640
4.19	Overall length	l ₁	mm	4370
4.20	Length to face of forks	l ₂	mm	3150
4.21	Overall width	b ₁ /b ₂	mm	1495
4.22	Fork dimensions	s/e/l	mm	60×150×1220
4.23	Fork carriage ISO 2328, class/type A, B			4A
4.24	Fork carriage width		mm	1380 (1424)
4.31	Ground clearance, laden, below mast		mm	150
4.32	Ground clearance, centre of wheelbase	m ₂	mm	180
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4705
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4705
4.35	Turning radius	Wa	mm	2730
5.1	Travel speed, laden/unladen		km/h	16/17
5.2	Lift speed, laden/unladen		m/s	0.41/0.46
5.3	Lowering speed, laden/unladen		m/s	0.42/0.35
5.5	Drawbar pull, laden/unladen			/
5.6	Max. drawbar pull, laden/unladen		N	/
5.8	Max. gradeability, laden/unladen		%	15/20
5.10	Service brake			Mechanical/Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	37
6.2	Lift motor rating at S3 15%		kW	30
6.4	Battery voltage/nominal capacity		V/Ah	96V/560AH
6.5	Battery weight		kg	510
8.1	Type of drive unit			PMSM
10.5	Steering design			Hydraulic

SPECIFICATION		REF	UNIT	VALUE
10.7	Sound pressure level at the driver's seat		dB(A)	/

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.

EFL404/EFL454/EFL504/EFL504-6/EFL554-6





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)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)	LOAD DISTANCE (X, MM)
2-Standard Mast	3000	2400	4000	4335	160	160	6	12	600
2-Standard Mast	3500	2650	4500	4835	160	160	6	12	600
2-Standard Mast	3600	2700	4600	4935	160	160	6	12	600
2-Standard Mast	4000	2900	5000	5335	160	160	6	12	600
2-Standard Mast	4500	3200	5500	5835	160	160	6	6	600
2-Standard Mast	5000	3450	6000	6335	160	160	6	6	600
2-Standard Mast	5500	3750	6500	6835	160	160	3	6	600
2-Standard Mast	6000	4000	7000	7335	160	160	3	6	600
2-Standard Mast	6500	4300	7500	7835	160	160	3	6	600
2-Free Mast	3000	2250	3850	4335	1430	945	6	12	600
2-Free Mast	3500	2500	4350	4835	1680	1195	6	12	600

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)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)	LOAD DISTANCE (X, MM)
2-Free Mast	4000	2750	4850	5335	1930	1445	6	12	600
2-Free Mast	4500	3050	5350	5835	2230	1745	6	6	600
2-Free Mast	5000	3300	5850	6335	2480	1995	6	6	600
2-Free Mast	5500	3600	6350	6835	2780	2295	3	6	600
2-Free Mast	6000	3850	6850	7335	3030	2545	3	6	600
2-Free Mast	6500	4150	7350	7835	3315	2845	3	6	600
3-Free Mast	4000	2230	4872	5335	1388	925	6	12	600
3-Free Mast	4300	2330	5172	5635	1488	1025	6	12	600
3-Free Mast	4500	2397	5374	5837	1555	1092	6	6	600
3-Free Mast	4700	2463	5572	6035	1621	1158	6	6	600
3-Free Mast	4800	2497	5672	6135	1655	1192	6	6	600
3-Free Mast	5000	2563	5872	6335	1721	1258	6	6	600
3-Free Mast	5500	2730	6372	6835	1888	1425	3	6	600
3-Free Mast	6000	2947	6921	7335	2056	1642	3	6	600
3-Free Mast	6500	3113	7419	7835	2224	1808	3	6	600
3-Free Mast	7000	3280	7920	8335	2390	1975	3	6	600

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	150*60*1220 Can be customized
Fork carriage width option	1380mm Yes and can be customized
Backrest height	1185mm Yes and can be customized
Front wheel material	Pneumatic Normal solid Non-marking solid
Rear wheel material	Pneumatic Normal solid Non-marking solid
Battery capacity	96V560AH
Charger	96V-100A 96V-150A 96V-200A

ITEM	OPTIONS (optional items marked in yellow)
Seat type	KL01 with armrest GRAMMER-MSG65
Attachments	No External sideshifter Fork positioner with sideshift forkpositioner with pin type forks
Traction pin	Yes and not customized
Warning lamp	LED rotating warning light rotating warning light with buzzer
Blue lamp	No Rear Front and rear
Area warning lamp	No Both sides Both sides and rear Rear
Buzzer	Buzzer English
OPS system	Yes and not customized
USB interface	USB TYPE A/C
Telematics	Yes and not customized
Cabin	No Basic half cabin① Upgrade half cabin② Full cabin③ Upgrade full cabin④
Overhead guard	standard
Turn speed control	No Yes and not customized
Heating system during lithium battery charging	Yes and not customized
Operator identification device	No Card reader
Lifting electronic limit	No Yes and not customized
Hydraulic system operating mode	Fingertip Mechanical lever
Rear armrest horn	Yes and not customized
Adjustable overspeed alarm	No Yes and not customized
Cigarette lighter socket	No Yes and not customized
Fog light	No Yes and not customized
Mast working light	No LED*2
Reversing radar	No reverse radar reversing camera reversing radar + backup camera
Travel deceleration function after mast lifting	No Yes and not customized