

EFL554-6

HIGH CAPACITY ELECTRIC COUNTERBALANCED FORKLIFT 5.5T

 5500 kg  7000 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
Model designation			EFL554-6
Battery voltage/nominal capacity		V/Ah	96V/560AH
Rated capacity	Q	kg	5500
Load centre distance	c	mm	600
Service weight		kg	8150
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
Load distance, centre of drive axle to fork	x	mm	555

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
- Dual charging possibility for faster charging

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.2	Model designation			EFL554-6
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	5500
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	8150
2.2	Axle loading, laden front/rear		kg	12111/1539
2.3	Axle loading, unladen front/rear		kg	3435/4715
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

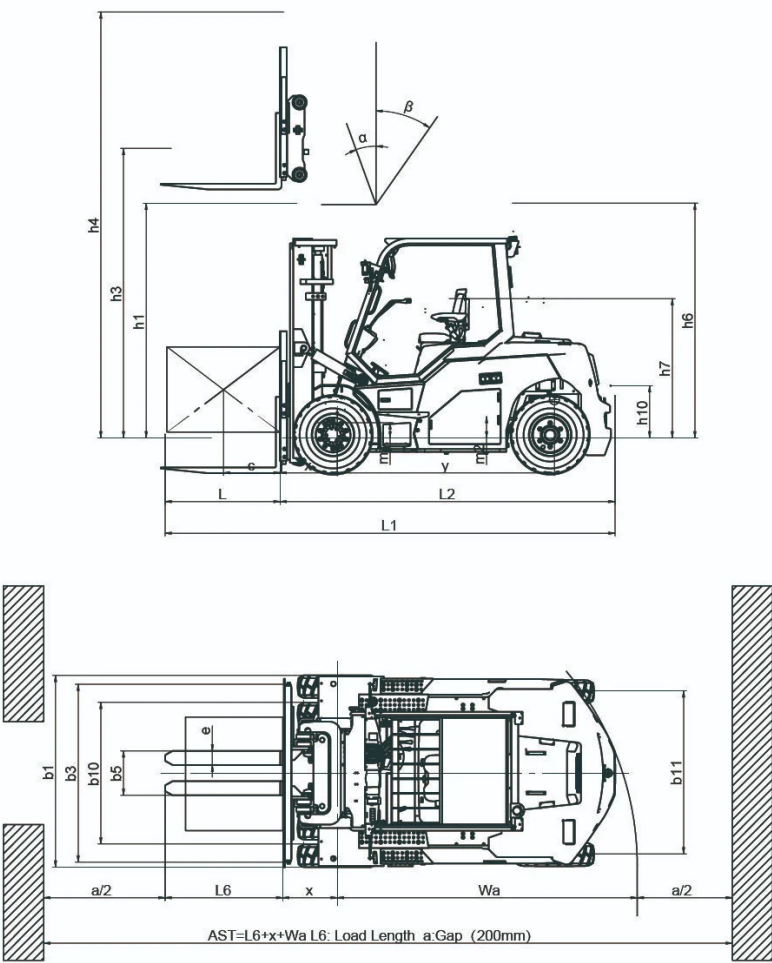
	SPECIFICATION	REF	UNIT	VALUE
3.6	Tread width, front	b ₁₀	mm	1176
3.7	Tread width, rear	b ₁₁	mm	1190
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12
4.2	Height, mast lowered	h ₁	mm	2400
4.3	Free lift	h ₂	mm	160
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4361/3996
4.7	Height of overhead 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	A _{st}	mm	4705
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	4705
4.35	Turning radius	W _a	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

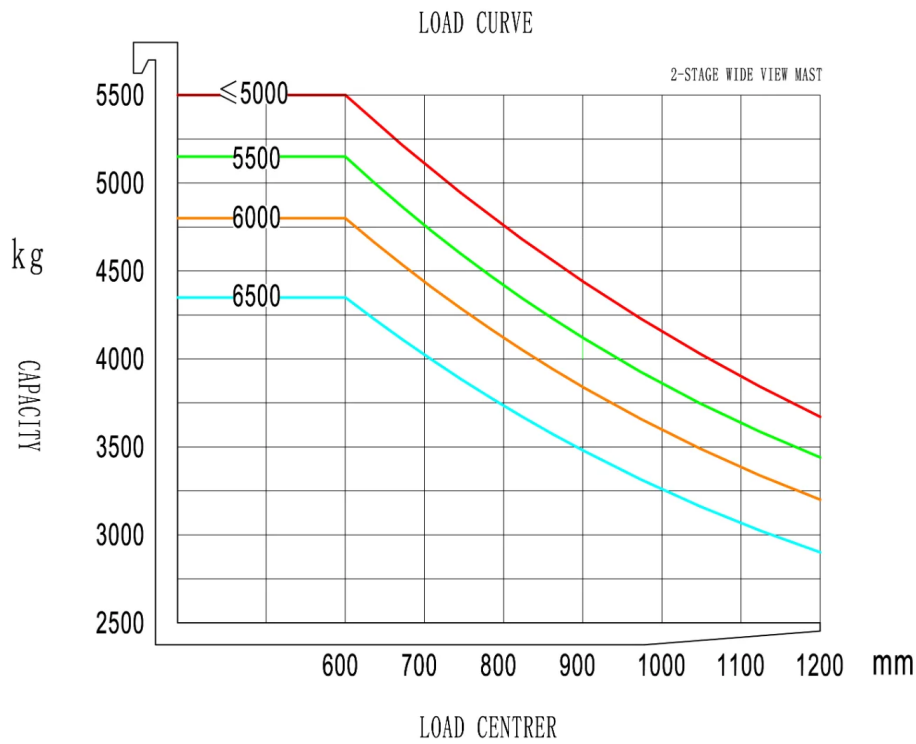
	SPECIFICATION	REF	UNIT	VALUE
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	/

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.

VDI Drawing

EFL504-6-D/EFL554-6-D/EFL604-6/EFL704-6/EFL754-6





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	2480	3955	4330	160	160	6	12	600
2-Standard Mast	3500	2730	4455	4830	160	160	6	12	600
2-Standard Mast	4000	2980	4955	5330	160	160	6	12	600
2-Standard Mast	4500	3280	5465	5830	160	160	6	6	600
2-Standard Mast	5000	3530	5965	6330	160	160	6	6	600
2-Standard Mast	5500	3830	6515	6830	160	160	3	6	600
2-Standard Mast	6000	4080	7015	7330	160	160	3	6	600
2-Standard Mast	6500	4380	7565	7830	160	160	3	6	600
2-Free Mast	2500	2230	3485	3833	1276	928	6	12	600
2-Free Mast	3000	2480	3985	4333	1526	1178	6	12	600
2-Free Mast	3500	2730	4485	4833	1776	1428	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	2980	4985	5333	2026	1678	6	12	600
2-Free Mast	4500	3280	5495	5833	2316	1978	6	6	600
2-Free Mast	5000	3530	5995	6333	2566	2228	6	6	600
2-Free Mast	5500	3830	6545	6833	2816	2528	3	6	600
2-Free Mast	6000	4080	7045	7333	3066	2778	3	6	600
2-Free Mast	6500	4380	7595	7833	3316	3078	3	6	600
3-Free Mast	4500	2635	5570	5840	1605	1335	6	6	600
3-Free Mast	4800	2735	5870	6140	1705	1435	6	6	600
3-Free Mast	5000	2805	6080	6350	1775	1505	6	6	600
3-Free Mast	5500	3015	6575	6840	1980	1715	3	6	600
3-Free Mast	6000	3185	7085	7340	2140	1885	3	6	600
3-Free Mast	6500	3350	7580	7840	2310	2050	3	6	600
3-Free Mast	7000	3570	8140	8350	2480	2270	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
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

ITEM	OPTIONS (optional items marked in yellow)
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