EFL754-6

HIGH CAPACITY ELECTRIC COUNTERBALANCED FORKLIFT 7.5T

7500 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-dismeter 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			EFL754-6
Battery voltage/nominal capacity		V/Ah	96V/690AH
Rated capacity	Q	kg	7500
Load centre distance	c	mm	600
Service weight		kg	10725
Height, mast lowered	h_1	mm	2580
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4470/4055
Overall length	l_1	mm	4780
Overall width	b_1/b_2	mm	2028
Length to face of forks	l_2	mm	3560
Fork dimensions	s/e/l	mm	70x150x1220
Turning radius	Wa	mm	3255
Drive			Electric
Operator type			Seated

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

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			EFL754-6
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	7500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	613.5
1.9	Wheelbase	y	mm	2300
2.1	Service weight		kg	10725
2.2	Axle loading, laden front/rear		kg	16183/2042
2.3	Axle loading, unladen front/rear		kg	4738/5987
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	8.25-15-14PR
3.3	Tyre size, rear		mm	8.25-15-14PR
3.5	Wheels, number front/rear (x=drive wheels)			4x/2
3.6	Tread width, front	b_{10}	mm	1498

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

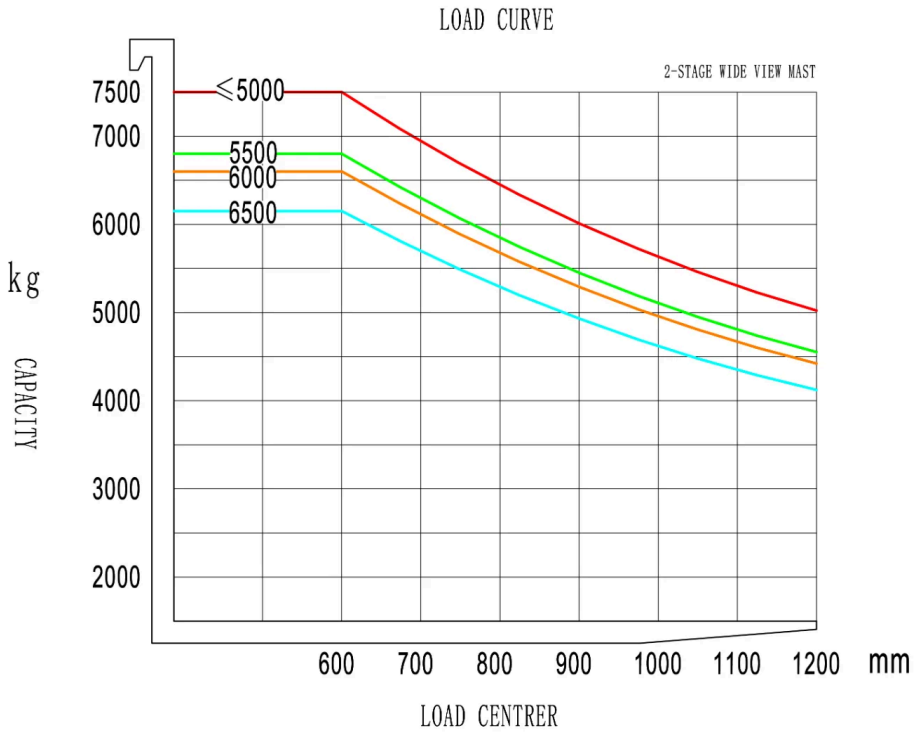
	SPECIFICATION	REF	UNIT	VALUE
3.7	Tread width, rear	b_{11}	mm	1718
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12
4.2	Height, mast lowered	h_1	mm	2580
4.3	Free lift	h_2	mm	170
4.4	Lift	h_3	mm	3000
4.5	Height, mast extended	h_4	mm	4470/4055
4.7	Height of overhead guard (cabin)	h6	mm	2460
4.8	Seat height relating to SIP/stand height	h7	mm	1470
4.12	Coupling height	h10	mm	600
4.19	Overall length	l_1	mm	4780
4.20	Length to face of forks	l_2	mm	3560
4.21	Overall width	b_1/b_2	mm	2028
4.22	Fork dimensions	s/e/l	mm	70x150x1220
4.23	Fork carriage ISO 2328, class/type A, B			4A
4.24	Fork carriage width		mm	1845 (1995)
4.31	Ground clearance, laden, below mast		mm	160
4.32	Ground clearance, centre of wheelbase	m_2	mm	225
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	5288.5
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	5288.5
4.35	Turning radius	Wa	mm	3255
5.1	Travel speed, laden/unladen		km/h	16.5/17
5.2	Lift speed, laden/unladen		m/s	0.44/0.50
5.3	Lowering speed, laden/unladen		m/s	0.42/0.43
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	30
6.2	Lift motor rating at S3 15%		kW	58
6.4	Battery voltage/nominal capacity		V/Ah	96V/690AH
6.5	Battery weight		kg	665
8.1	Type of drive unit			PMSM
10.5	Steering design			Hydraulic

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

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

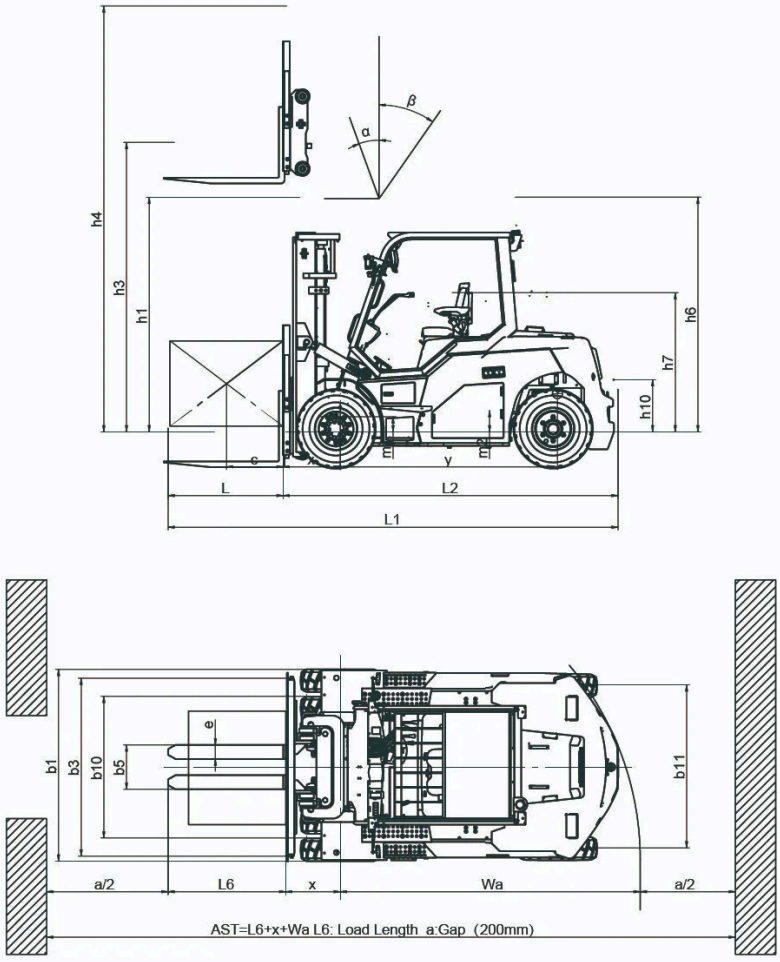
Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing



Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

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	165	165	6	12	600
2-Standard Mast	3500	2730	4455	4830	165	165	6	12	600
2-Standard Mast	4000	2980	4955	5330	165	165	6	12	600
2-Standard Mast	4500	3280	5465	5830	165	165	6	6	600
2-Standard Mast	5000	3530	5965	6330	165	165	6	6	600
2-Standard Mast	5500	3830	6515	6830	165	165	3	6	600

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

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	6000	4080	7015	7330	165	165	3	6	600
2-Standard Mast	6500	4380	7565	7830	165	165	3	6	600
2-Free Mast	2500	2230	3485	3833	1281	933	6	12	600
2-Free Mast	3000	2480	3985	4333	1531	1183	6	12	600
2-Free Mast	3500	2730	4485	4833	1781	1433	6	12	600
2-Free Mast	4000	2980	4985	5333	2031	1683	6	12	600
2-Free Mast	4500	3280	5495	5833	2321	1983	6	6	600
2-Free Mast	5000	3530	5995	6333	2571	2233	6	6	600
2-Free Mast	5500	3830	6545	6833	2821	2533	3	6	600
2-Free Mast	6000	4080	7045	7333	3071	2783	3	6	600
2-Free Mast	6500	4380	7595	7833	3321	3083	3	6	600
3-Free Mast	4500	2635	5570	5840	1610	1340	6	6	600
3-Free Mast	4800	2735	5870	6140	1710	1440	6	6	600
3-Free Mast	5000	2805	6080	6350	1780	1510	6	6	600
3-Free Mast	5500	3015	6575	6840	1985	1720	3	6	600
3-Free Mast	6000	3185	7085	7340	2145	1890	3	6	600
3-Free Mast	6500	3350	7580	7840	2315	2055	3	6	600
3-Free Mast	7000	3570	8140	8350	2485	2275	3	6	600

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	150*70*1220 | Can be customized
Fork carriage width option	1845mm | Yes and can be customized
Backrest height	1361mm | Yes and can be customized
Front wheel material	Pneumatic | Normal solid | Non-marking solid

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16

ITEM	OPTIONS (optional items marked in yellow)
Rear wheel material	Pneumatic | Normal solid | Non-marking solid
Battery capacity	96V690AH
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
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

Copyright 2026 EP Equipment. All rights reserved. | Datasheet last updated 2026-06-16