

EFL904-6

ELECTRIC COUNTERBALANCED FORKLIFT 9.0T

 9000 kg  7000 mm  96 V Li-Ion



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			EFL904-6
Battery voltage		V	96
Battery voltage/nominal capacity		V/Ah	96V/920Ah
Rated capacity	Q	kg	9000
Load centre distance	c	mm	600
Service weight		kg	13150
Height, mast lowered	h ₁	mm	2850
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4310
Overall length	l ₁	mm	5480
Overall width	b ₁ /b ₂	mm	2200
Length to face of forks	l ₂	mm	3960
Fork dimensions	s/e/l	mm	80×160×1520
Turning radius	Wa	mm	3605
Drive			Electric

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

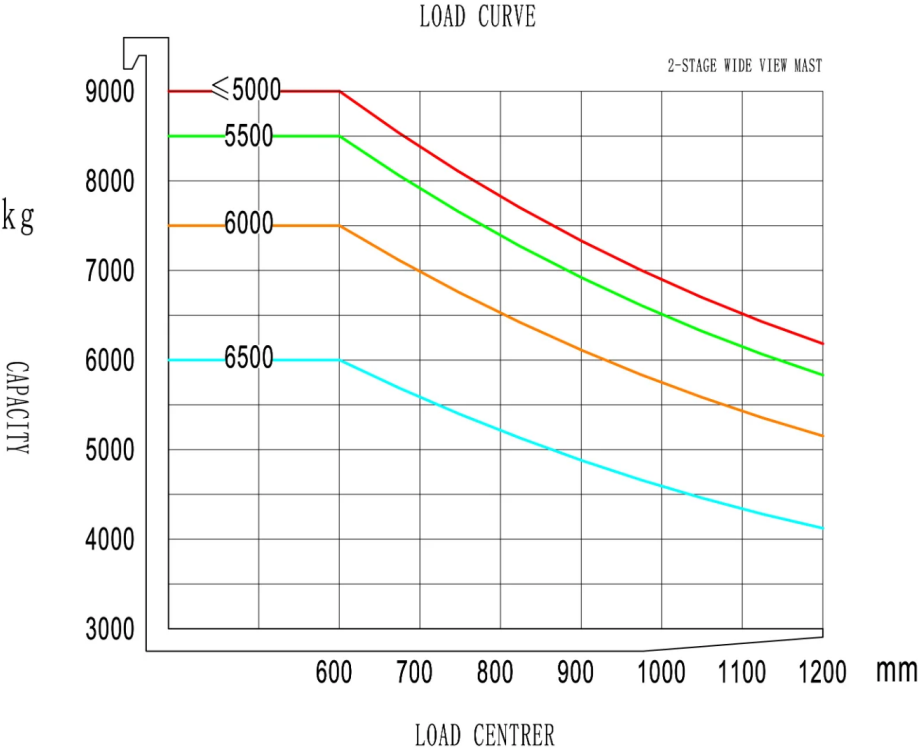
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL904-6
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	9000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	713
1.9	Wheelbase	y	mm	2500
2.1	Service weight		kg	13150
2.2	Axle loading, laden front/rear		kg	19845/2305
2.3	Axle loading, unladen front/rear		kg	6120/7030
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	9.00-20-14PR
3.3	Tyre size, rear		mm	9.00-20-14PR

	SPECIFICATION	REF	UNIT	VALUE
3.5	Wheels, number front/rear (x=drive wheels)			4x/2
3.6	Tread width, front	b ₁₀	mm	1600
3.7	Tread width, rear	b ₁₁	mm	1700
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/12
4.2	Height, mast lowered	h ₁	mm	2850
4.3	Free lift	h ₂	mm	200
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4310
4.7	Height of overhead guard (cabin)	h ₆	mm	2560
4.8	Seat height relating to SIP/stand height	h ₇	mm	1550
4.12	Coupling height	h ₁₀	mm	630
4.19	Overall length	l ₁	mm	5480
4.20	Length to face of forks	l ₂	mm	3960
4.21	Overall width	b ₁ /b ₂	mm	2200
4.22	Fork dimensions	s/e/l	mm	80×160×1520
4.23	Fork carriage ISO 2328, class/type A, B			-
4.24	Fork carriage width		mm	2130
4.31	Ground clearance, laden, below mast		mm	250
4.32	Ground clearance, centre of wheelbase	m ₂	mm	295
4.34.1	Aisle width for pallets 1000×1200 crossways	A _{st}	mm	6038
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	6038
4.35	Turning radius	w _a	mm	3605
5.1	Travel speed, laden/unladen		km/h	16.5/17
5.2	Lift speed, laden/unladen		m/s	0.35/0.39
5.3	Lowering speed, laden/unladen		m/s	0.46/0.40
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	35
6.2	Lift motor rating at S3 15%		kW	58
6.4	Battery voltage/nominal capacity		V/Ah	96V/920Ah
6.4.1	Battery voltage		V	96

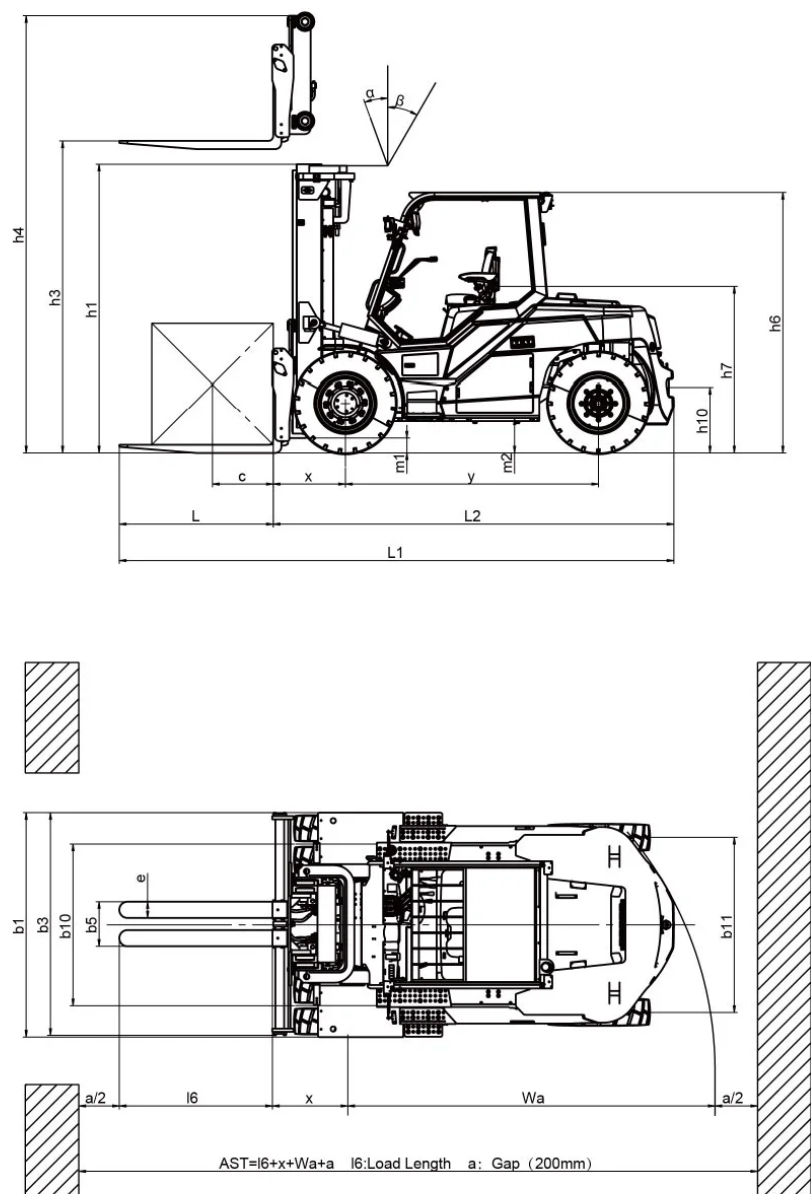
SPECIFICATION		REF	UNIT	VALUE
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	800
8.1	Type of drive unit			PMSM
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	/

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



EFL804-6/EFL804-9/EFL904-6/EFL1004-6



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	2850	4310	—	195	—	6	12	600
2-Standard Mast	3300	3000	4610	—	195	—	6	12	600
2-Standard Mast	3500	3100	4810	—	195	—	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-Standard Mast	4000	3350	5310	—	195	—	6	12	600
2-Standard Mast	4500	3650	5820	—	195	—	6	6	600
2-Standard Mast	5000	3900	6320	—	195	—	6	6	600
2-Standard Mast	5500	4200	6870	—	195	—	3	6	600
2-Standard Mast	6000	4450	7370	—	195	—	3	6	600
2-Standard Mast	6500	4750	7920	—	195	—	3	6	600
2-Free Mast	2300	2500	3747	—	951	—	6	12	600
2-Free Mast	2500	2600	3947	—	1051	—	6	12	600
2-Free Mast	2700	2700	4147	—	1151	—	6	12	600
2-Free Mast	3000	2850	4447	—	1301	—	6	12	600
2-Free Mast	3300	3000	4747	—	1451	—	6	12	600
2-Free Mast	3500	3100	4947	—	1551	—	6	12	600
2-Free Mast	4000	3350	5447	—	1801	—	6	12	600
2-Free Mast	4500	3650	5947	—	2151	—	6	6	600
3-Free Mast	4500	2950	5950	—	1535	—	6	6	600
3-Free Mast	4800	3050	6250	—	1635	—	6	6	600
3-Free Mast	5000	3117	6451	—	1702	—	6	6	600
3-Free Mast	5500	3283	6949	—	1868	—	3	6	600
3-Free Mast	6000	3450	7450	—	2035	—	3	6	600
3-Free Mast	6500	3617	7951	—	2202	—	3	6	600
3-Free Mast	7000	3783	8449	—	2368	—	3	6	600

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	160*75*1520 Can be customized

ITEM	OPTIONS (optional items marked in yellow)
Fork carriage width option	2130mm Yes and can be customized
Backrest height	No 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	96V920AH
Charger	96V-100A 96V-150A 96V-200A
Seat type	KL01 with armrest GRAMMER-MSG65
Attachments	orkpositioner with pin type forks Sideshift and fork positioner – roller-type forks Sideshift and fork positioner – hook-on type forks (compound hook 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