

EFL352B3

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 3500KG

 3500 kg
  6000 mm
  80 V Li-Ion



The EFL302B3 and EFL352B3 are engineered for demanding indoor and outdoor applications. With their robust chassis, high ground clearance, and IPX4 water resistance, these forklifts excel in rugged environments like construction sites, logistics yards, and manufacturing plants. Their compact design and lower battery placement ensure stability on uneven terrain, making them ideal for heavy-duty material handling tasks in both rain and shine, from loading docks to spacious warehouses.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL352B3
Battery voltage		V	80
Battery voltage/nominal capacity		V/Ah	80V280AH
Rated capacity	Q	kg	3500
Load centre distance	c	mm	500
Service weight		kg	4684
Height, mast lowered	h ₁	mm	2070
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4110
Overall length	l ₁	mm	3820
Overall width	b ₁ /b ₂	mm	1230
Length to face of forks	l ₂	mm	2750
Fork dimensions	s/e/l	mm	50×122×1070
Turning radius	Wa	mm	2437
Drive			Electric

Features

Enhanced mast for better visibility and stability

IPX4 water resistance

Adjustable steering wheel

Spacious operator space

80V205Ah/280Ah Li-ion battery and 35A/60A charger

Lower battery placement for enhanced stability

Big tyres and high ground clearance

VDI Chart

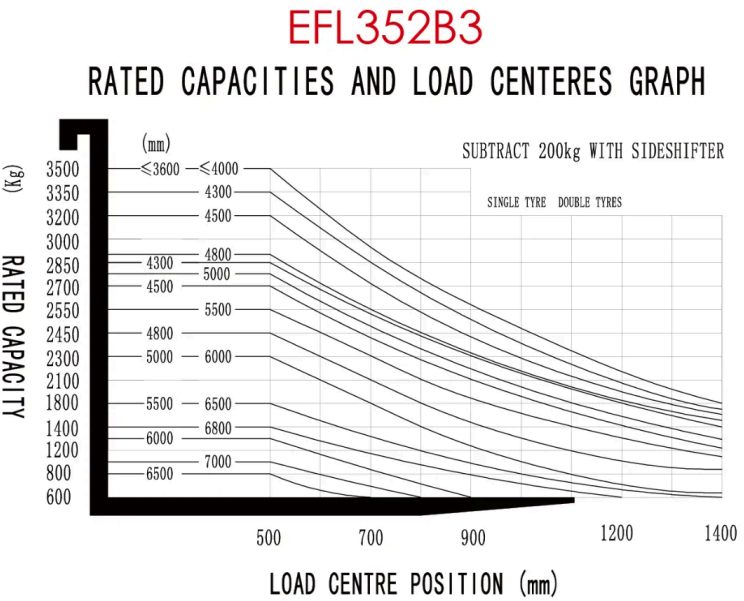
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL352B3
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	3500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	486
1.9	Wheelbase	y	mm	1750
2.1	Service weight		kg	4684
2.2	Axle loading, laden front/rear		kg	7510/700
2.3	Axle loading, unladen front/rear		kg	1916/2784

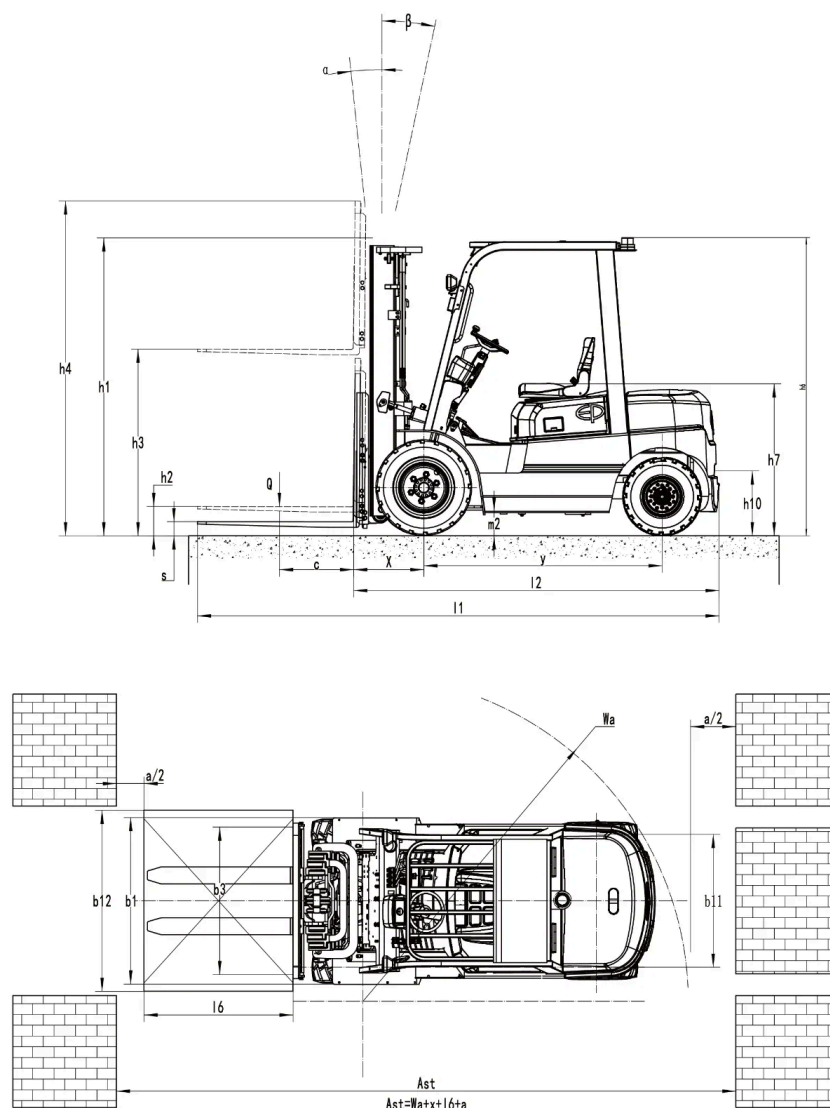
SPECIFICATION		REF	UNIT	VALUE
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	28X9-15-14PR
3.3	Tyre size, rear		mm	6.50-10-10PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	1010
3.7	Tread width, rear	b ₁₁	mm	980
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/10
4.2	Height, mast lowered	h ₁	mm	2070
4.3	Free lift	h ₂	mm	120
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4110
4.7	Height of overhead guard (cabin)	h ₆	mm	2180
4.8	Seat height relating to SIP/stand height	h ₇	mm	1130
4.12	Coupling height	h ₁₀	mm	350
4.19	Overall length	l ₁	mm	3820
4.20	Length to face of forks	l ₂	mm	2750
4.21	Overall width	b ₁ /b ₂	mm	1230
4.22	Fork dimensions	s/e/l	mm	50×122×1070
4.23	Fork carriage ISO 2328, class/type A, B			3A
4.24	Fork carriage width	b ₃	mm	1150
4.31	Ground clearance, laden, below mast	m ₁	mm	120
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	A _{st}	mm	4118
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	4318
4.35	Turning radius	W _a	mm	2437
5.1	Travel speed, laden/unladen		km/h	11/12
5.2	Lift speed, laden/unladen		m/s	0.29/0.36
5.3	Lowering speed, laden/unladen		m/s	0.4/0.43
5.8	Max. gradeability, laden/unladen		%	15/15
5.10	Service brake			Mechanical/Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	10
6.2	Lift motor rating at S3 15%		kW	16
6.4	Battery voltage/nominal capacity		V/Ah	80V280AH

SPECIFICATION		REF	UNIT	VALUE
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	280
6.4.3	Battery type			Li-Ion
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.95 ¹⁾
6.7	Turnover output according to VDI 2198		t/h	203
6.8	Turnover efficiency according to VDI 2198		t/kWh	25.53
8.1	Type of drive unit			PMSM
10.1	Operating pressure for attachments		bar	180
10.2	Oil volume for attachments		ℓ/min	40
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	74

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





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	2700	1910	3300	3795	120	120
2-Standard Mast	3000	2060	3630	4095	120	120
2-Standard Mast	3300	2210	3930	4395	120	120
2-Standard Mast	3500	2310	4130	4595	120	120
2-Standard Mast	3600	2360	4230	4695	120	120

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	4000	2610	4630	5095	120	120
2-Standard Mast	4300	2760	4930	5395	120	120
2-Standard Mast	4500	2860	5130	5595	120	120
2-Free Mast	3000	2040	3630	4095	1410	945
2-Free Mast	3300	2190	3930	4395	1560	1095
2-Free Mast	3600	2340	4230	4695	1710	1245
3-Free Mast	4300	2040	4930	5395	1410	945
3-Free Mast	4500	2120	5130	5595	1490	1025
3-Free Mast	4800	2225	5430	5895	1595	1130
3-Free Mast	5000	2310	5630	6095	1680	1215
3-Free Mast	5500	2560	6130	6595	1930	1465
3-Free Mast	6000	2810	6630	7095	2180	1715

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*50*1070 122*50*1150 122*50*1220 122*50*1370 122*50*1520 122*50*1600 122*50*1670 122*50*1820 Can be customized
Front wheel material	Pneumatic Normal solid Non-making solid
Rear wheel material	Pneumatic Normal solid Non-making solid
Battery capacity	80V280AH 80V410AH 80V460AH (Non-CE)
Charger	80V60A External charger 80V35A Intergrated charger 80V100A External charger 80V150A External charger 80V200A External charger
Battery indicator	With hourmeter (Bluetooth)
Seat type	Regular Comfortable Suspension Regular + safety belt logic switch Comfortable + safety belt logic switch Suspension + safety belt logic switch Suspension with armrest + safety belt logic switch Suspension with armrest KL01 with armrest
Attachments	No Built-in sidershifter External sidershifter Fork positioner with sideshift
Traction pin	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Electrostatic chain	Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	LED
Steering lamp	LED
Blue lamp	No Rear Front and rear
Area warning lamp	No Both sides Both sides and rear
Rearview mirror	One in front Two on sides and one in front
OPS system	Yes and not customized
USB interface	No USB TYPE A/C
Telematics	Yes and not customized
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Overhead guard	With tempered glass
AS/NZS function package	No Yes and not customized
Heating system during lithium battery charging	No Yes and not customized
Operator identification device	NO Card reader
Lifting electronic limit	No Yes and not customized
Hydraulic system operating mode	Mechanical lever
Rear armrest horn	No Yes and not customized