

EFL203

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 2.0T

 2000 kg  6000 mm  80 V Li-Ion



Indoor & Outdoor: With a robust design, EFL203(P) electric forklift is ideal for both indoor and outdoor applications.

All Weather & Terrian: Big tyres, high ground clearance, and water-resistant design make it an all-weather solution for rough terrains.

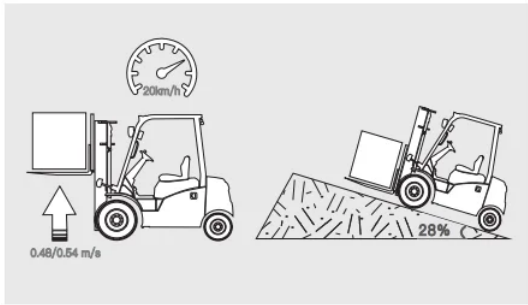
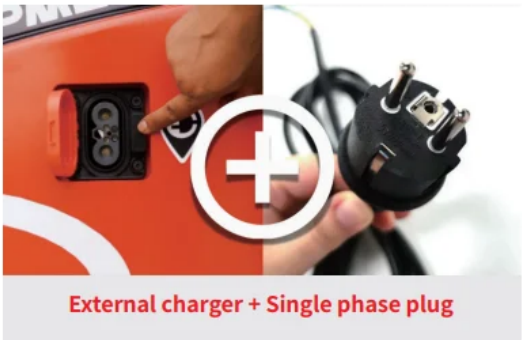
Long Runtime Operations: Suitable for demanding scenarios requiring nearly 24/7 operation with Li-ion’s opportunity charging and large battery capacity options.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL203
Battery type			Li-Ion
Battery nominal capacity K5		Ah	230
Battery voltage		V	80
Rated capacity	Q	kg	2000
Load centre distance	c	mm	500
Service weight		kg	3540
Height, mast lowered	h ₁	mm	2090
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4025
Overall length	l ₁	mm	3426
Overall width	b ₁ /b ₂	mm	1154
Length to face of forks	l ₂	mm	2356
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	wa	mm	2110

Features

Dual charging system for maximum flexibility

The EFL203(P) includes both an integrated single-phase charger and an external charging port, allowing operators to charge anywhere, anytime. Combined with optional 80V/460Ah Li-ion batteries, this system supports long runtime and efficient multi-shift use.



Two performance versions to fit every need

Available in standard and premium versions, the EFL203(P) meets different operational demands. The premium version achieves travel speeds up to 20 km/h, lift speeds of 0.54 m/s, and gradeability of 28%, ensuring fast and efficient performance in intensive applications

High ground clearance and outdoor durability

Equipped with large pneumatic tires and 150 mm ground clearance, the EFL203(P) easily handles uneven terrain. Its waterproof construction allows reliable operation even in rain or damp environments, making it suitable for mixed indoor–outdoor logistics



Modern design and improved visibility

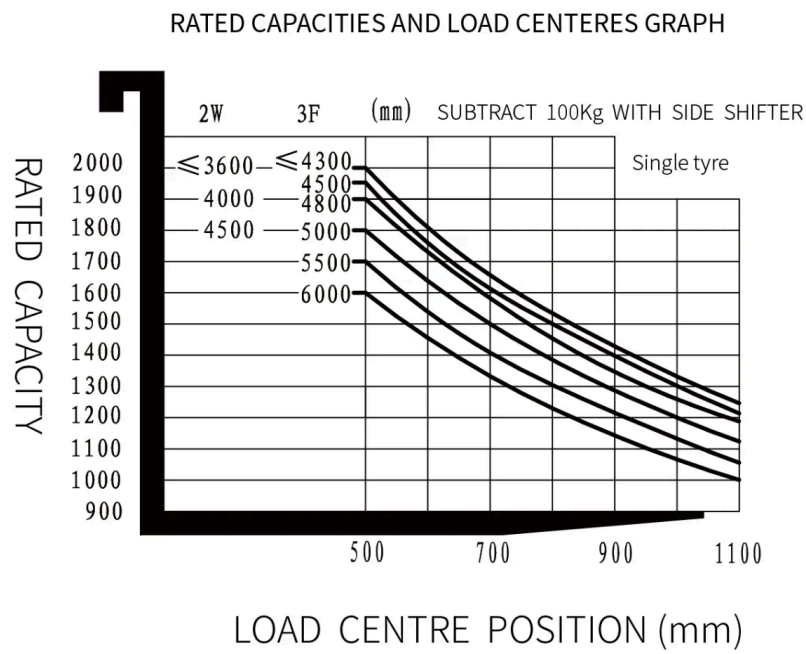
The EFL203(P) adopts a streamlined counterweight and a newly engineered mast layout for improved sightlines. The bolted overhead guard and optimized hose positioning ensure safer and more accurate load handling, while the large LED display and bright LED lights enhance visibility in all conditions

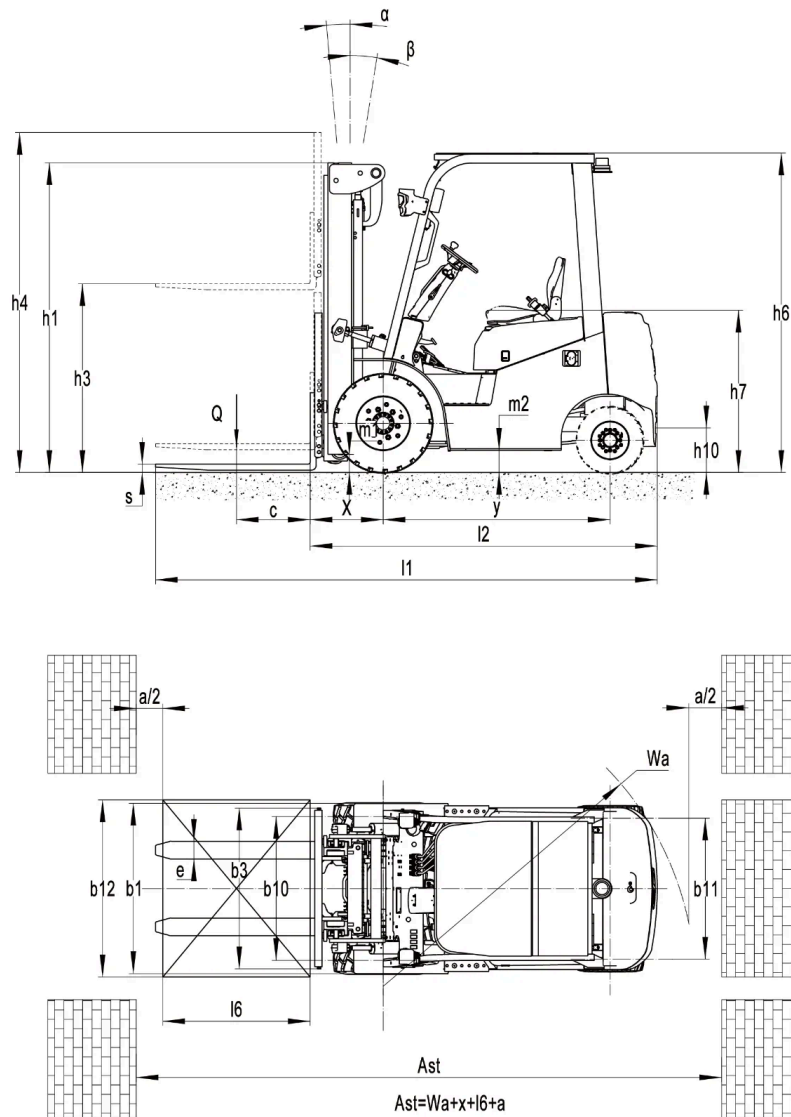
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL203

SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1540
2.1	Service weight		kg	3540
2.2	Axle loading, laden front/rear		kg	4930/610
2.3	Axle loading, unladen front/rear		kg	1640/1900
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	7.00-12-12PR
3.3	Tyre size, rear		mm	18X7-8-14PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/ 2
3.6	Tread width, front	b ₁₀	mm	975
3.7	Tread width, rear	b ₁₁	mm	955
4.1	Tilt of mast/fork carriage forward/backward		°	6/ 10
4.2	Height, mast lowered	h ₁	mm	2090
4.3	Free lift	h ₂	mm	195
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4025
4.7	Height of overhead guard (cabin)	h ₆	mm	2165
4.8	Seat height relating to SIP/stand height	h ₇	mm	1095
4.12	Coupling height	h ₁₀	mm	310
4.19	Overall length	l ₁	mm	3426
4.20	Length to face of forks	l ₂	mm	2356
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/l	mm	40×122×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.31	Ground clearance, laden, below mast		mm	115
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3805
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4005
4.35	Turning radius	Wa	mm	2110

SPECIFICATION		REF	UNIT	VALUE
5.1	Travel speed, laden/unladen		km/h	14/15
5.2	Lift speed, laden/unladen		m/s	0.29/0.36
5.3	Lowering speed, laden/unladen		m/s	0.54/0.56
5.8	Max. gradeability, laden/unladen		%	15/20
5.10	Service brake			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 nominal capacity K5		Ah	230
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	181
6.6	Energy consumption according to DIN EN 16796		kWh/h	6.2
6.7	Turnover output according to VDI 2198			116
6.8	Turnover efficiency according to VDI 2198			22.18
8.1	Type of drive unit			PMSM
10.1	Operating pressure for attachments		bar	180
10.2	Oil volume for attachments		ℓ/min	35
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	<74





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	3000	2090	3595	4060	195	195
2-Standard Mast	3300	2240	3895	4360	195	195
2-Standard Mast	3500	2340	4095	4560	195	195
2-Standard Mast	3600	2390	4195	4660	195	195
2-Standard Mast	4000	2640	4595	5060	195	195
2-Standard Mast	4500	2890	5095	5560	195	195

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-Free Mast	3000	2025	3765	4100	1335	1000
2-Free Mast	3300	2175	4065	4400	1485	1150
2-Free Mast	3600	2325	4365	4700	1635	1300
3-Free Mast	4300	2065	5040	5355	1355	1040
3-Free Mast	4500	2145	5280	5595	1435	1120
3-Free Mast	4700	2215	5480	5795	1505	1190
3-Free Mast	4800	2250	5580	5895	1540	1225
3-Free Mast	5000	2335	5730	6045	1625	1310
3-Free Mast	5500	2585	6230	6545	1875	1560
3-Free Mast	6000	2835	6730	7045	2125	1810

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*920 122*40*1070 122*40*1150 122*40*1220 122*40*1370 122*40*1500 122*40*1600 122*40*1700 122*40*1820 122*40*1900 122*40*2000 122*40*2200
Front wheel material	Pneumatic Normal solid Traceless solid
Rear wheel material	Pneumatic Normal solid Traceless solid
Battery capacity	◦80V230AH ◦80V280AH ◦80V314AH 80V410AH 80V460AH
Charger	80V35A integrated 80V60A integrated 80V60A 80V100A 80V150A 80V200A(410/460AH)
Battery indicator	With hourmeter(Bluetooth) without PSE With hourmeter (Bluetooth) with PSE
Seat type	Comfortable + safety belt switch Suspension with safety belt switch
Attachments	Built-in sideshifter External shifter Fork positioner with sideshift
Traction pin	Yes and not customized
Electrostatic chain	Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Steering lamp	LED
Blue lamp	No Rear Front and rear
Area warning lamp	No Both sides Both sides and rear
Rearview mirror	One on the front Two on sides Two on sides and one on the front
Buzzer	Yes and not customized
OPS system	Yes and not customized
USB interface	Yes and not customized
Telematics	Yes and not customized
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Overhead guard	With tempered glass No
Clamp interlock	No clamp interlock
Turn speed control	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 Joystick Fingertips
Rear armrest horn	Yes and not customized
Wiper water unit	Yes only with cabin