

EFL253

LI-ION COUNTERBALANCE FORKLIFT 2.5T

 2500 kg  3000 mm  80 V Li-Ion



The EFL 253 is engineered for intensive logistics, production, and material handling environments. Ideal for warehouses, manufacturing plants, and distribution centers, it performs reliably on uneven outdoor terrain thanks to its large solid rubber tires and high ground clearance. Optional cabins, heating systems, and a fully enclosed design extend its usability to all-weather operations, ensuring year-round productivity across multiple industries.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	205
Battery voltage		V	80
Load capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3940
Retracted mast height	h ₁	mm	2090
Lift height	h ₃	mm	3000
Height, mast extended	h ₄	mm	4025
Overall length		mm	3600
Overall width	b ₁ /b ₂	mm	1154
Length to face of forks	I ₂	mm	2530
Fork dimensions	s/e/l	mm	40X122X1070
Turning radius		Wa	2305
Operator type			Seated
Load distance, centre of drive axle to fork		mm	495

Features

The truck structure integrate aesthetics and ergonomic design

Both practicality and design are reflected in the EFL 3 Series. It features a streamlined and compact counterweight to better fit in confined spaces. Plus, the rain proofed charging port protects the port from water splash and ensures charging safety



Lithium technology to replace internal combustion engine

The lithium technology has proven itself as an emission-free and maintenance-free alternative to diesel. The new generation of EFL series handles loads with consistently high performance due to opportunity charging even for the most demanding applications. The 80 V / 205 Ah Li-ion battery offers maintenance-free performance, rapid charging, and constant power output for smooth operations throughout the day.



Stable and reliable performance

With a 2.5 t load capacity, up to 15 % gradeability, and hydraulic braking, the EFL253 ensures safe handling and control on ramps and uneven surfaces.



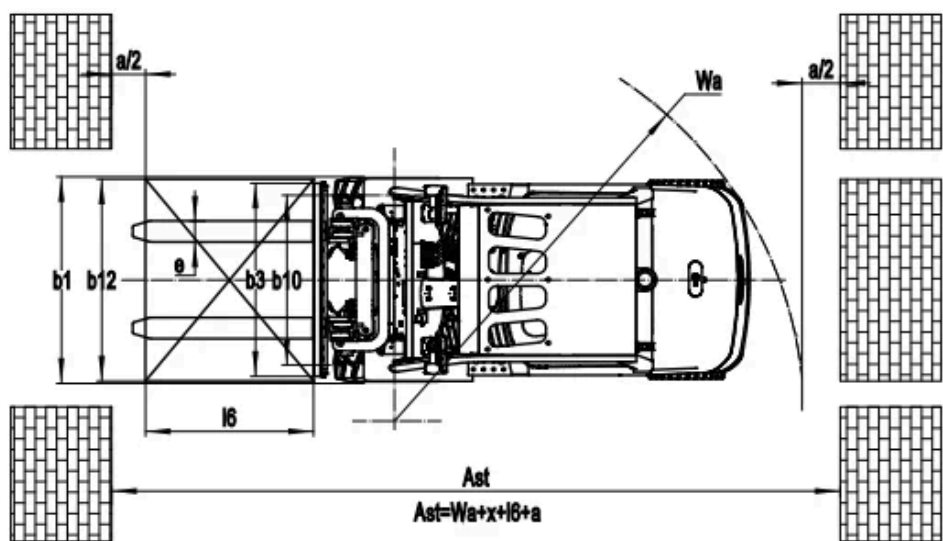
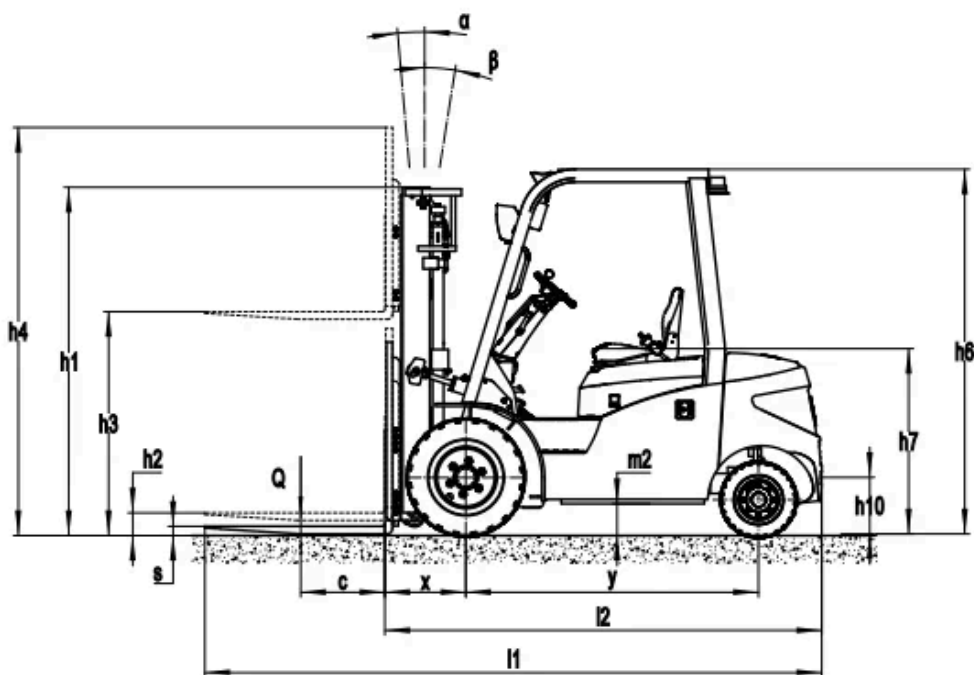
User-friendly operation

A high-resolution LED display keeps operators informed of battery, speed, and operation status at a glance, improving awareness and efficiency.

VDI Chart

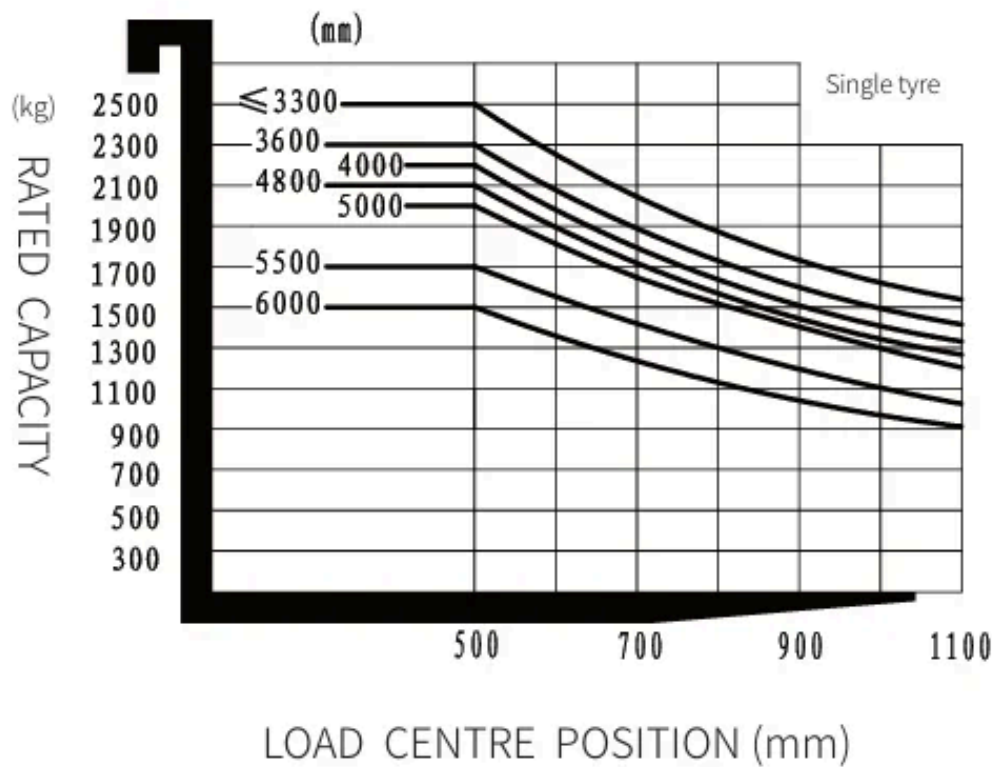
	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	495
1.9	Wheelbase		mm	1740
2.1	Service weight		kg	3940
2.2	Axle loading, laden front/rear		kg	5810/630
2.3	Axle loading, unladen front/rear		kg	1880/2060
3.1	Tyre type			Solid rubber
3.2	Tyre size, front			7.00-12
3.3	Tyre size, rear			18X7-8
3.5	Additional wheels (castor wheels)			Solid rubber
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
4.10	Height of wheel arms		mm	1095
4.12	Tow coupling height		mm	330
4.13	Loading height, unladen			1095
4.15	Lowered height			2090
4.17	Overhang			3600
4.19	Overall length		mm	3600
4.2	Retracted mast height	h ₁	mm	2090
4.2.1	Overall height			4025
4.20	Length to face of forks	I ₂	mm	2530
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/l	mm	40X122X1070
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	120
4.31	Ground clearance, laden, below mast		mm	125
4.32	Ground clearance, centre of wheelbase		mm	170

SPECIFICATION		REF	UNIT	VALUE
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	4000
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4200
4.35	Turning radius		Wa	2305
4.36	Internal turning radius			2305
4.4	Lift height	h ₃	mm	3000
4.4.1	Max lift height			6000
4.5	Height, mast extended	h ₄	mm	4025
4.7	Height of overhead guard (cabin)		mm	2165
4.8	Seat height/standing height		mm	1095
5.1	Travel speed, laden/unladen		km/h	11/12
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.29/0.36
5.3	Lowering speed, laden/unladen		m/s	0.54/0.56
5.5	Drawbar pull, laden/unladen			5810/630
5.6	Max. drawbar pull, laden/unladen			5810/630
5.8	Max. gradeability, laden/unladen		%	15/15
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		Ah	205
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	3940
6.5	Charger output current			80V65A
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.24 ¹⁾
6.7	Turnover output according to VDI 2198			135
6.8	Turnover efficiency according to VDI 2198			18.64
8.1	Type of drive control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	dB(A)



RATED CAPACITIES AND LOAD CENTERES GRAPH

SUBTRACT 100Kg WITH SIDE SHIFTER



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELIVING (H4, MM)	HEIGHT, MAST EXTENDED, WITH SHELIVING (H4, MM)	HEIGHT, FREE LIFT, NO SHELIVING (H2, MM)	HEIGHT, FREE LIFT, WITH SHELIVING (H2, MM)	LOAD DISTANCE CENTRE OF DRIVE AXLE TO FORK (MM)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)	LOAD CAPACITY , SINGLE TYRE (KG)
2W300	3000	2090	3565	4025	120	120	495	6	10	2500
2W330	3300	2240	3865	4325	120	120	495	6	10	2500
2W350	3500	2340	4065	4525	120	120	495	6	10	2400
2W360	3600	2390	4165	4625	120	120	495	6	10	2300
2W400	4000	2640	4565	5025	120	120	495	6	6	2200
2W450	4500	2890	5065	5525	120	120	495	6	6	2300
2F300	3000	2035	3565	4025	1470	1010	476	6	10	2500
2F330	3300	2185	3865	4325	1620	1160	476	6	10	2500
2F360	3600	2335	4165	4625	1770	1310	476	6	10	2300

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELVING (H4, MM)	HEIGHT, MAST EXTENDED, WITH SHELVING (H4, MM)	HEIGHT, FREE LIFT, NO SHELVING (H2, MM)	HEIGHT, FREE LIFT, WITH SHELVING (H2, MM)	LOAD DISTANCE CENTRE OF DRIVE AXLE TO FORK (MM)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)	LOAD CAPACITY , SINGLE TYRE (KG)
3F430	4300	2035	4865	5325	1470	1010	488	6	6	2200
3F450	4500	2115	5065	5525	1550	1090	488	6	6	2150
3F480	4800	2220	5365	5825	1655	1195	488	6	6	2100
3F500	5000	2305	5565	6025	1740	1280	488	6	6	2000
3F550	5500	2555	6065	6525	1990	1530	488	3	5	1700
3F600	6000	2805	6565	7025	2240	1780	488	3	5	1500

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
Fork carriage width option	1040mm Yes and can be customized
Fork carriage height option	1025mm Yes and can be customized
Seat type	Regular Premium Suspension Suspension seat with armrest Suspension+Seatbelt logic switch
Attachments	No Built-in sideshifter External shifter Fork positioner
Traction pin	Yes
Electrostatic chain	Yes
Battery and charger with heating function	No Yes and not customized
Front wheel type	Single Double
Front wheel material	Pneumatic Solid Non-marking
Rear wheel material	Pneumatic Solid Non-marking
Battery capacity	80V205AH 80V280AH 80V410AH 80V460AH
Charger	80V35A external 80V65A external 80V60A external 80V100A external 80V130A external 80V150A external 80V200A external 80V35A integrated 80V60A integrated
Battery display indicator (BDI)	With time
Area warning lamp	No Red, 1 left + 1 right

ITEM	OPTIONS (optional items marked in yellow)
Rearview mirror	1 rearview mirror Add rearview mirror on both sides
Buzzer	Yes
OPS system	No Yes and not customized
USB interface	Yes
Telematics	Yes and not customized No
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No 2 front 1 rear 2 front+ 1 rear
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Joystick	No
Heater	No Yes and not customized