

EFL253

LI-ION COUNTERBALANCE FORKLIFT 2.5T

 2500 kg
  6000 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 K5		Ah	205
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3940
Height, mast lowered	h_1	mm	2090
Lift	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	l2	mm	2530
Fork dimensions	s/e/l	mm	40X122X1070
Turning radius		Wa	2305
Manufacturer			EP
Model designation			EFL253

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.



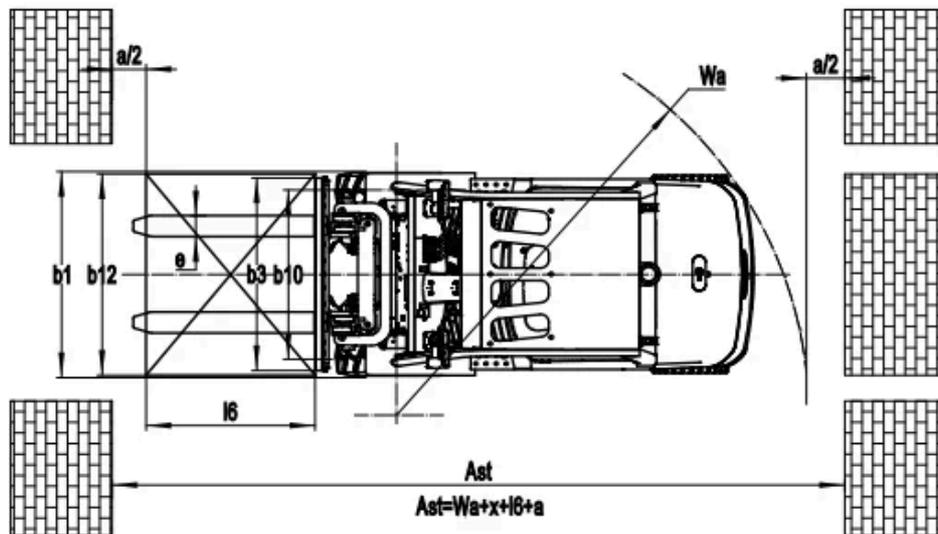
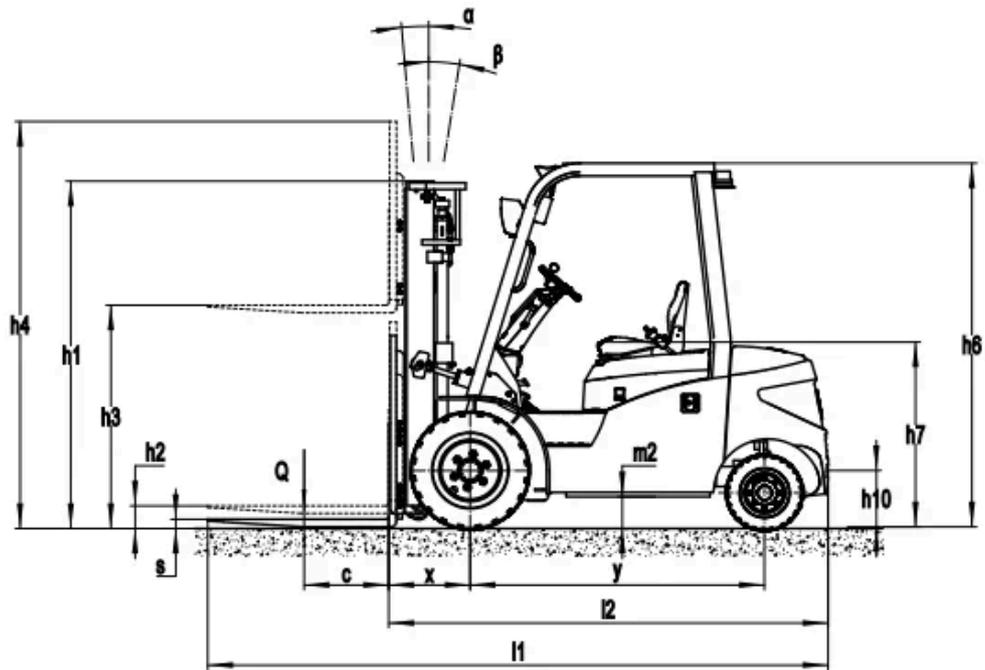
User-friendly operation

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

VDI Chart

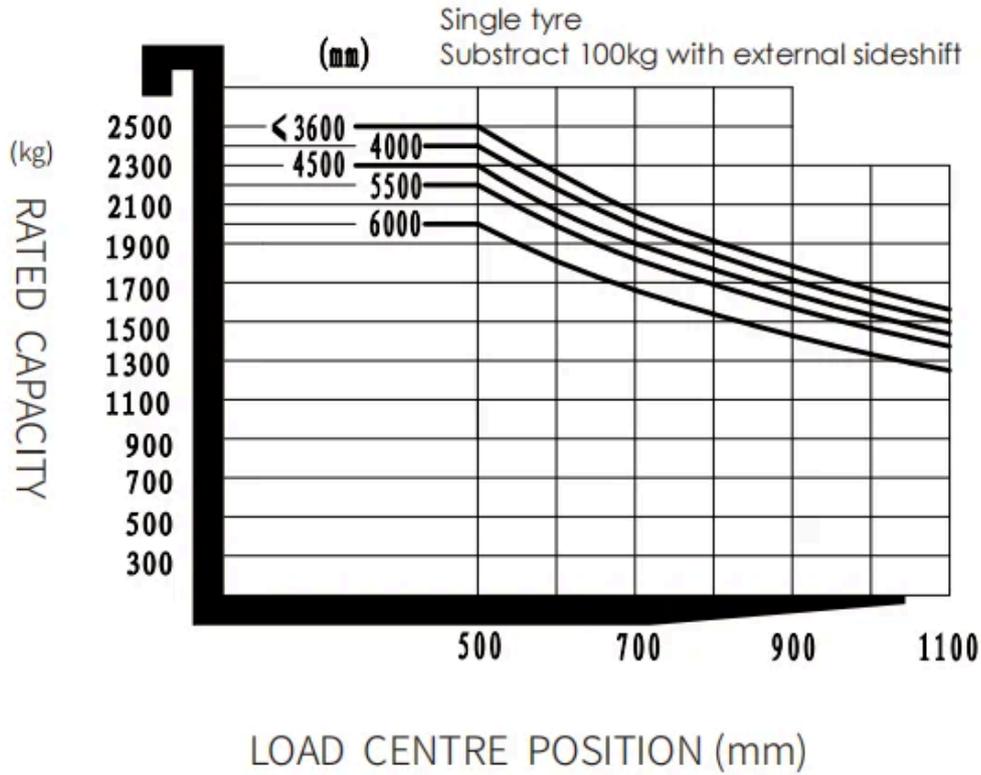
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL253
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	495
1.9	Wheelbase		mm	1740
2.1	Service weight		kg	3940
2.2	Axle loading, laden front/rear		kg	5810/630
2.3	Axle loading, unladen front/rear		kg	1880/2060
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	7.00-12
3.3	Tyre size, rear		mm	18X7-8
3.4	Additional wheels (castor wheels)		mm	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
4.0	Max lift height	H	mm	6000
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.2	Height, mast lowered	h_1	mm	2090
4.2.1	Overall height			4025
4.3	Free lift		mm	120
4.4	Lift	h_3	mm	3000
4.5	Height, mast extended	h_4	mm	4025
4.7	Height of overhead guard (cabin)		mm	2165
4.8	Seat height relating to SIP/stand height		mm	1095
4.10	Height of wheel arms		mm	1095
4.12	Coupling height		mm	330
4.13	Loading height, unladen			1095
4.15	Height, lowered			2090
4.17	Overhang			3600

	SPECIFICATION	REF	UNIT	VALUE
4.19	Overall length		mm	3600
4.20	Length to face of forks	l2	mm	2530
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/l	mm	40X122X1070
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	125
4.32	Ground clearance, centre of wheelbase		mm	170
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	4000
4.34.2	Aisle width for pallets 800 × 1200 crossways		Ast	4200
4.35	Turning radius		Wa	2305
4.36	Internal turning radius			2305
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	0.54/0.56
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
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	205
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
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 unit			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	dB(A)
15.1	Charger output current		A	80V65A



EFL253(S, P)

RATED CAPACITIES AND LOAD CENTERES GRAPH



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)	LOAD DISTANCE CENTRE OF DRIVE AXLE TO FORK (MM)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)
2W300	3000	2090	3595	4060	195	195	495	6	10
2W330	3300	2240	3895	4360	195	195	495	6	10
2W350	3500	2340	4095	4560	195	195	495	6	10
2W360	3600	2390	4195	4660	195	195	495	6	10
2W400	4000	2640	4595	5060	195	195	495	6	6
2W450	4500	2890	5095	5560	195	195	495	6	6
2F300	3000	2035	3765	4100	1345	1010	476	6	10
2F330	3300	2185	4065	4400	1495	1160	476	6	10

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)	LOAD DISTANCE CENTRE OF DRIVE AXLE TO FORK (MM)	FORWARD TILT (A, DEG)	BACKWARD TILT (B, MM)
2F360	3600	2335	4365	4700	1645	1310	476	6	10
3F430	4300	2080	5040	5355	1370	1055	488	6	6
3F450	4500	2160	5230	5545	1450	1135	488	6	6
3F480	4800	2265	5530	5845	1555	1240	488	6	6
3F500	5000	2350	5730	6045	1640	1325	488	6	6
3F550	5500	2600	6230	6545	1890	1575	488	3	5
3F600	6000	2850	6730	7045	2140	1825	488	3	5

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
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
Seat type	Regular Premium Suspension Suspension seat with armrest Suspension+Seatbelt logic switch
Attachments	No Built-in sidershifter External shifter Fork positioner
Traction pin	Yes
Anti-static chain	Yes
Battery and charger with heating function	No Yes and not customized
Front lamp	LED

ITEM	OPTIONS (optional items marked in yellow)
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No 2 front 1 rear 2 front+ 1 rear
Area warning lamp	No Red, 1 left + 1 right
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
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Joystick	No
Heater	No Yes and not customized