



# 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	3780
Height, mast lowered	$h_1$	mm	2090
Lift	$h_3$	mm	3000
Height, mast extended	$h_4$	mm	4025
Overall length	$l_1$	mm	3600
Overall width	$b_1/b_2$	mm	1154
Length to face of forks	$l_2$	mm	2530
Fork dimensions	s/e/l	mm	40X122X1070
Turning radius	Wa	mm	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

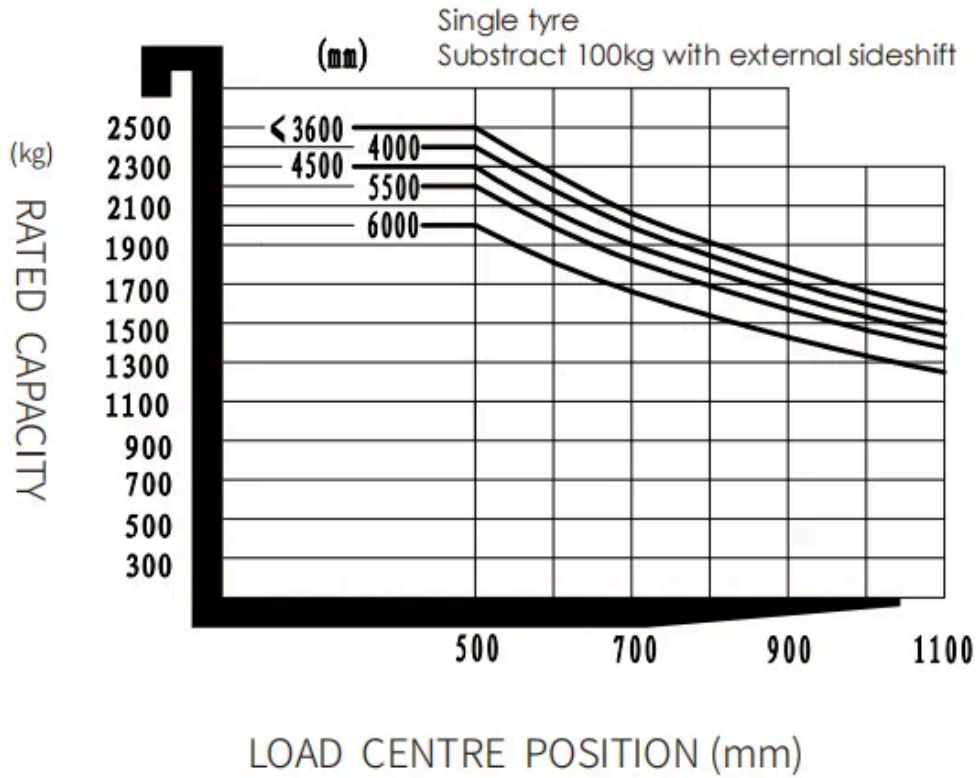
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL253
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1740
2.1	Service weight		kg	3780
2.2	Axle loading, laden front/rear		kg	5720/560
2.3	Axle loading, unladen front/rear		kg	1805/1990
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	7.00-12
3.3	Tyre size, rear		mm	18X7-8
3.5	Wheels, number front/rear (x=drive wheels)			2X-2
3.6	Tread width, front	b <sub>10</sub>	mm	975
3.7	Tread width, rear	b <sub>11</sub>	mm	955
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.2	Height, mast lowered	h <sub>1</sub>	mm	2090
4.3	Free lift	h <sub>2</sub>	mm	120
4.4	Lift	h <sub>3</sub>	mm	3000
4.5	Height, mast extended	h <sub>4</sub>	mm	4025
4.7	Height of overhead guard (cabin)		mm	2165
4.8	Seat height relating to SIP/stand height		mm	1095
4.12	Coupling height		mm	330
4.19	Overall length	l <sub>1</sub>	mm	3600
4.20	Length to face of forks	l <sub>2</sub>	mm	2530
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	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

	SPECIFICATION	REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	170
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4000
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4200
4.35	Turning radius	Wa	mm	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	0.43/0.44
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
6.5	Battery weight		kg	160
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.43 <sup>1)</sup>
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
10.1	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



## 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)
2W300	3000	2090	3595	4060	195	195
2W330	3300	2240	3895	4360	195	195
2W350	3500	2340	4095	4560	195	195
2W360	3600	2390	4195	4660	195	195
2W400	4000	2640	4595	5060	195	195
2W450	4500	2890	5095	5560	195	195
2F300	3000	2035	3765	4100	1345	1010
2F330	3300	2185	4065	4400	1495	1160
2F360	3600	2335	4365	4700	1645	1310

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)
3F430	4300	2080	5040	5355	1370	1055
3F450	4500	2160	5230	5545	1450	1135
3F480	4800	2265	5530	5845	1555	1240
3F500	5000	2350	5730	6045	1640	1325
3F550	5500	2600	6230	6545	1890	1575
3F600	6000	2850	6730	7045	2140	1825

## 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   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 sidsifter   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
Rear lamp	No   LED

ITEM	OPTIONS (optional items marked in yellow)
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No   Rear   Front and rear
Area warning lamp	No   Both sides and rear   Both sides
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