

# EFL253

## LI-ION COUNTERBALANCE FORKLIFT 2.5T

 2500 kg
  6000 mm
  80 V Li-Ion



The EFL253 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
Manufacturer			EP
Model designation			EFL253
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3780
Height, mast lowered	h <sub>1</sub>	mm	2090
Lift	h <sub>3</sub>	mm	3000
Height, mast extended	h <sub>4</sub>	mm	402
Overall length	l <sub>1</sub>	mm	5
Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	360
Length to face of forks	l <sub>2</sub>	mm	0530
Fork dimensions	s/e/l	mm	<del>405</del> 122X1070
Turning radius	Wa	mm	<del>2</del> 305
Drive			Electric
Operator type			Seated

# Features

## The truck structure integrate aesthetics and ergonomic design

Both practicality and design are reflected in the EFL253. 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 EFL253 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

SPECIFICATION		REF	UNIT	VALUE
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	α/β	°	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	300
4.5	Height, mast extended	h <sub>4</sub>	mm	0
4.7	Height of overhead guard (cabin)	h <sub>6</sub>	mm	<del>408</del>
4.8	Seat height relating to SIP/stand height	h <sub>7</sub>	mm	<del>5</del>
4.1	Coupling height	h <sub>10</sub>	mm	109
2	Overall length	l <sub>1</sub>	mm	5
4.1	Length to face of forks	l <sub>2</sub>	mm	330
4.20		b <sub>1</sub> /b <sub>2</sub>	mm	2530
4.21	Overall width	s/e/l	mm	360
4.22	Fork dimensions		mm	1154
4.2	Fork carriage ISO 2328, class/type A, B			0
3	Fork carriage width		mm	40X122X1070
4.2	Fork carriage ISO 2328, class/type A, B			2A
3	Fork carriage width		mm	1040
4.2	Ground clearance, laden, below mast		mm	115
4	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	170
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	400
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	0
4.35	Turning radius	Wa	mm	420
2				0
				230
				5

	SPECIFICATION	REF	UNIT	VALUE
5.1	Travel speed, laden/unladen		T	11/12
5.2	Lift speed, laden/unladen		km/	0.29/0.36
5.3	Lowering speed, laden/unladen		h	0.43/0.44
5.8	Max. gradeability, laden/unladen		m/s	15/15
5.1	Service brake		m/s	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
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	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.	Operating pressure for attachments		bar	180
1	Oil volume for attachments		ℓ/min	35
10.	Steering design			Hydraulic
2	Sound pressure level at the driver's seat		dB(A)	<74

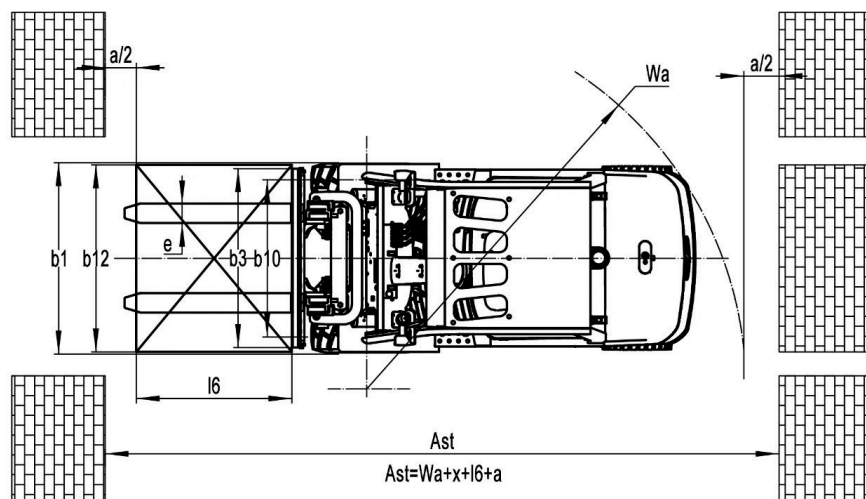
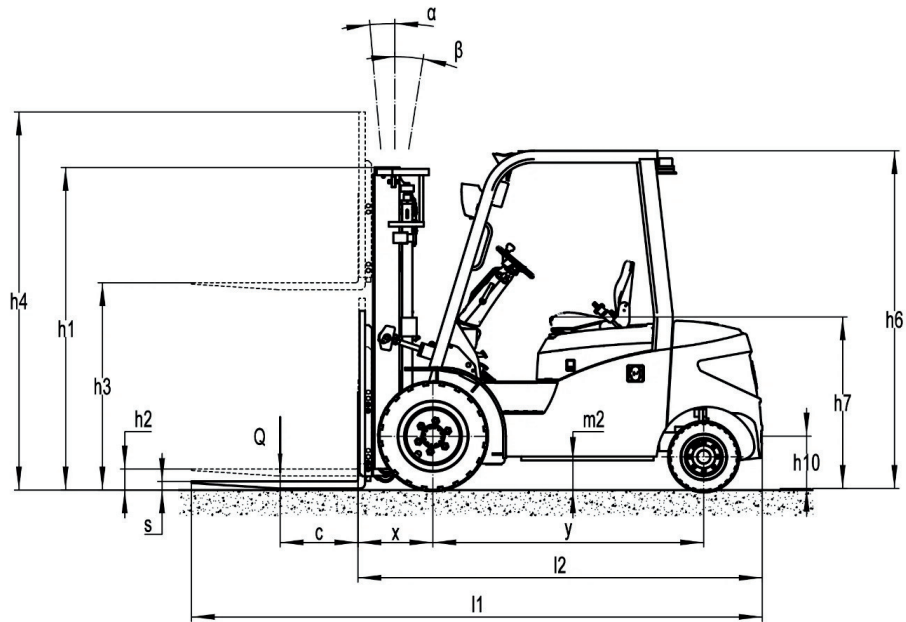
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Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

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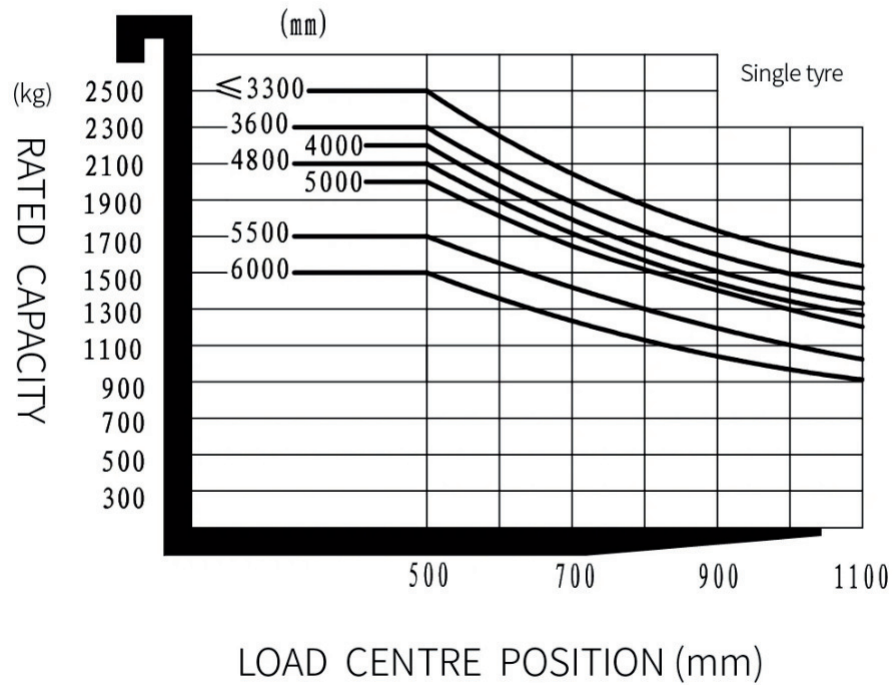
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# VDI Drawing



## EFL253(S) RATED CAPACITIES AND LOAD CENTERS GRAPH

SUBTRACT 100Kg WITH SIDE SHIFTER



## 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	5230	5545	1435	1120
3-Free Mast	4700	2215	5480	5795	1505	1190
3-Free Mast	4800	2250	5530	5845	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
Fork carriage width option	1040mm   Yes and can be customized
Fork carriage height	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 indicator	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

ITEM	OPTIONS (optional items marked in yellow)
Electrostatic chain	Yes
Battery and charger with heating function	No   Yes and not customized
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Ye
Steering lamp	s
Blue lamp	<del>No</del>   Rear   Front and rear
Area warning lamp	<del>No</del>   Both sides and rear   Both sides
Rearview mirror	1 rearview mirror   Add rearview mirror on both sides
Buz zer	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
Fan heater	No   Yes and not customized