

EFL253S

LI-ION COUNTERBALANCE FORKLIFT 2.5T

 2500 kg  6000 mm  80 V Li-Ion



The EFL253S 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			EFL253S
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3955
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
Drive			Electric
Operator type			Seated

Features

Upgraded drive and lift performance

Equipped with a 17 kW motor and 26 kW lift power, the EFL253S offers faster acceleration and handling for demanding shifts.

With up to 25% gradeability, it maintains reliable traction on ramps and uneven surfaces. And the maximum lifting speed of 0.5 m/s ensures higher throughput in high-turnover applications.



The truck structure integrates aesthetics and practical design

Both practicality and beauty are reflected in the design of the new EFL253S. It inherits the robust chassis of an IC truck series and features a more streamlined and compact counterweight, to better fit in confined space. Plus, the rain-proofed charging port protects the port from water splash and ensures charging safety.

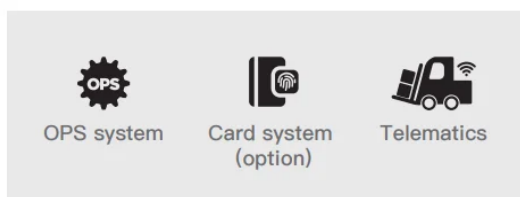
Lithium technology to replace internal combustion engine

The lithium technology has proven itself as an emission-free and maintenance-free alternative to diesel. The EFL253S handles loads with consistently high performance due to opportunity charging even for the most demanding applications. The 80V/230Ah Li-ion battery supports opportunity charging, allowing continuous operation without battery replacement.



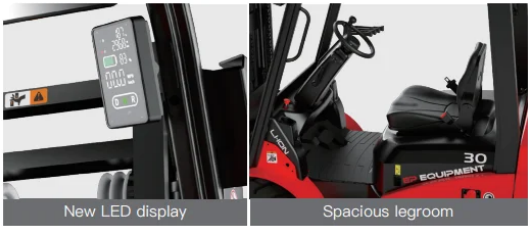
Multi-functions for safe operation and easy fleet management

The EFL253S is equipped with a variety of functional configurations, such as OPS system, Telematics and card system, which not only takes security as priority but also



Ergonomic improvements for comfortable operation

The workspace of the EFL253S is more spacious with a simplified panel and a comfortable pedal. The series features a new LED display that clearly shows speed, working hours, battery status ,milage and parking status so the operator can easily grapse the truck conditions just with a glance

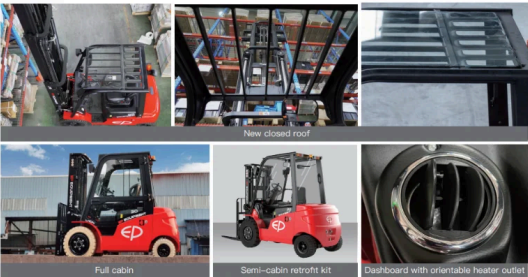


Joystick option available for fatigue-free work

The EFL253S can be equipped with hydraulic joystick controls instead of mechanical levers. Positioned at the end of the armrest operations can be done just with fingers, increasing the operator ergonomics through the following controls: all fork hydraulic control including the 4th way, driving direction (F-N-B), horn, emergency stop button.

Outdoor behavior with high-visibility closed roof and cabin options

The bolted overhead guard is fitted as standard with a new closed roof made of tempered glass and flat high-strength steel bars, offering the highest visibility in the category. It enables safe load handling at all heights and increases productivity by increasing the number of pallet movements. Outdoor performance can be enhanced with cabin options such as front windshield, semi-cab, full cabin, heater and A/C. For added flexibility, the front windshield and semi cabin can be offered in a retrofit kit for easy installation by dealers.



VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL253S
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500

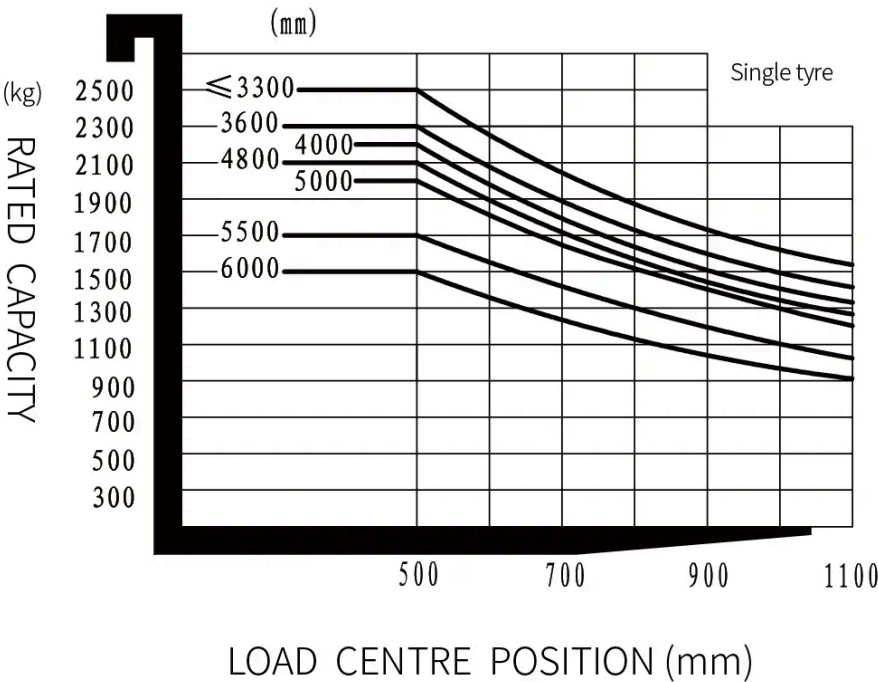
	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1740
2.1	Service weight		kg	3955
2.2	Axle loading, laden front/rear		kg	5795/660
2.3	Axle loading, unladen front/rear		kg	1865/2090
3.1	Tyres			Solidrubber
3.2	Tyre size, front		mm	7.00-12
3.3	Tyre size, rear		mm	18X7-8
3.5	Wheels, number front/rear (x=drive wheels)			2X-2
3.6	Tread width, front	b ₁₀	mm	975
3.7	Tread width, rear	b ₁₁	mm	955
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/10
4.2	Height, mast lowered	h ₁	mm	2090
4.3	Free lift	h ₂	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)	h ₆	mm	2165
4.8	Seat height relating to SIP/stand height	h ₇	mm	1095
4.12	Coupling height	h ₁₀	mm	330
4.19	Overall length	l ₁	mm	3600
4.20	Length to face of forks	l ₂	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	115
4.32	Ground clearance, centre of wheelbase	m ₂	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	16/17
5.2	Lift speed, laden/unladen		m/s	0.4/0.5
5.3	Lowering speed, laden/unladen		m/s	0.43/0.44
5.8	Max. gradeability, laden/unladen		%	20/25

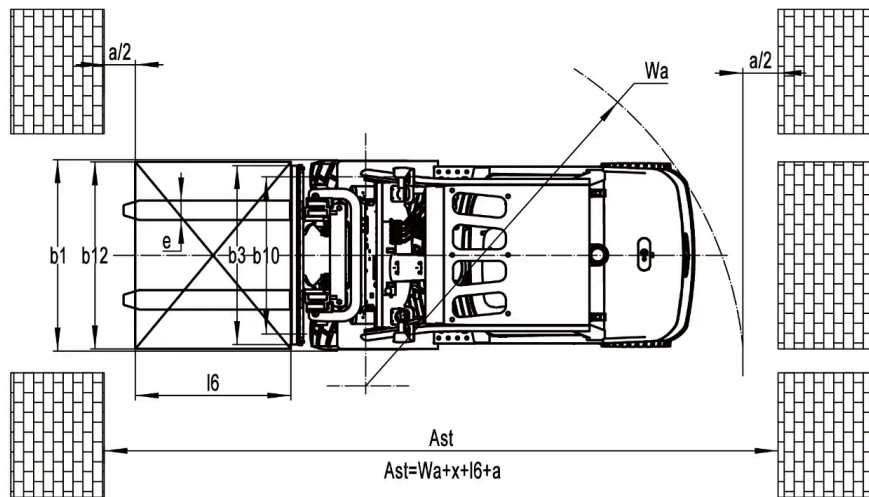
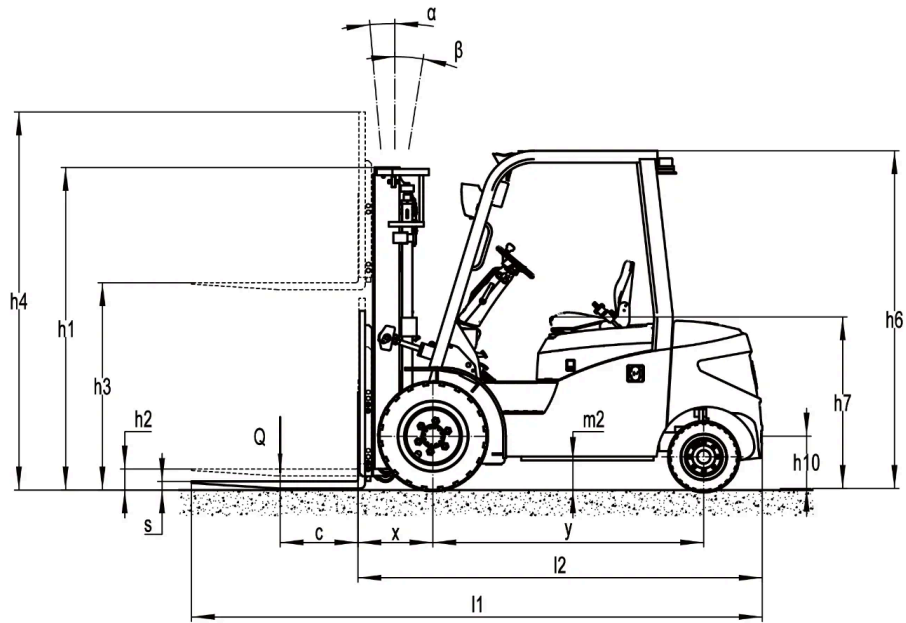
	SPECIFICATION	REF	UNIT	VALUE
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	17
6.2	Lift motor rating at S3 15%		kW	26
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	230
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	162
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.1 ¹⁾
6.7	Turnover output according to VDI 2198			150
6.8	Turnover efficiency according to VDI 2198			24.15
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

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.

EFL253(S)
RATED CAPACITIES AND LOAD CENTERES 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

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	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
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	Solid Non-marking
Rear wheel material	Solid Non-marking
Battery capacity	80V460AH 80V230AH
Charger	80V35A external 80V65A external 80V60A external 80V100A external 80V150A external 80V200A external

ITEM	OPTIONS (optional items marked in yellow)
Battery indicator	With time
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 lamp	LED
Rear lamp	No LED
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 Yes and not customized
Fan heater	No Yes and not customized