



EFL181

4-WHEEL LI-ION COUNTERBALANCE FORKLIFT 1.8T

1800 kg 4800 mm 48 V Li-Ion



Ideal for building sites and small companies with intermittent forklift needs.
Perfect for short-term rental due to its maintenance-free Li-Ion battery and integrated charger, ensuring it's always ready for use.
Ideal for navigating in tight spaces due to compact size and short wheelbase.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL181
Battery voltage		V	48
Rated capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	3030
Height, mast lowered	h ₁	mm	1995
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4028
Overall length	l ₁	mm	2935
Overall width	b ₁ /b ₂	mm	1080
Length to face of forks	l ₂	mm	2015
Fork dimensions	s/e/l	mm	40×100×920
Turning radius	Wa	mm	1920
Drive			Electric
Operator type			Seated

Features

Plug&Play on-board charging

The integrated single-phase 48V charger enables effortless opportunity charging from any standard power outlet. This eliminates the need for external chargers or dedicated charging areas, ensuring uninterrupted workflow and maximum uptime



Compact and versatile design

Despite its compact frame, the EFL181 offers increased legroom for improved operator ergonomics. The small turning radius of 1,920 mm and narrow overall width of 1,080 mm make it ideal for tight spaces and mixed indoor-outdoor operations.

Durable and reliable construction

Built on a proven IC chassis and equipped with 10-year market-tested components, the EFL181 ensures stability and long-term reliability. The high ground clearance and solid rubber tires provide dependable performance even on uneven or wet surfaces.



Efficient Li-ion performance

The maintenance-free 48V/150Ah Li-ion battery system delivers consistent power output with fast recharging capability. The combination of 6 kW traction and 7.5 kW lift motors offers smooth acceleration, responsive handling, and excellent lifting efficiency

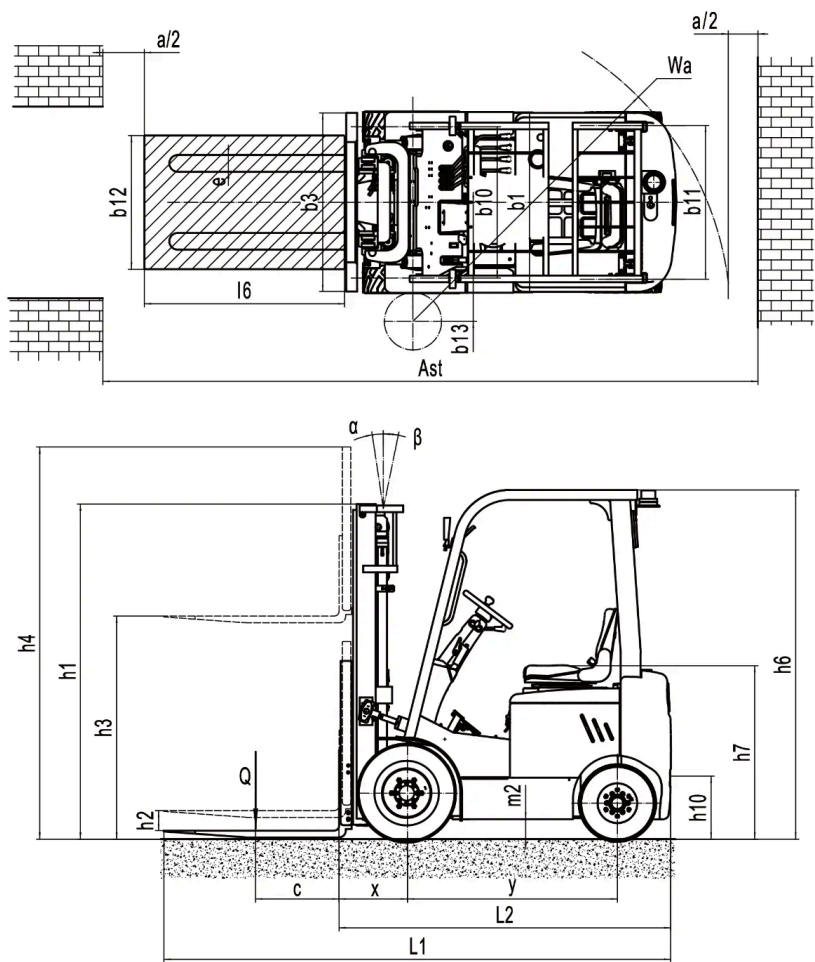
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL181

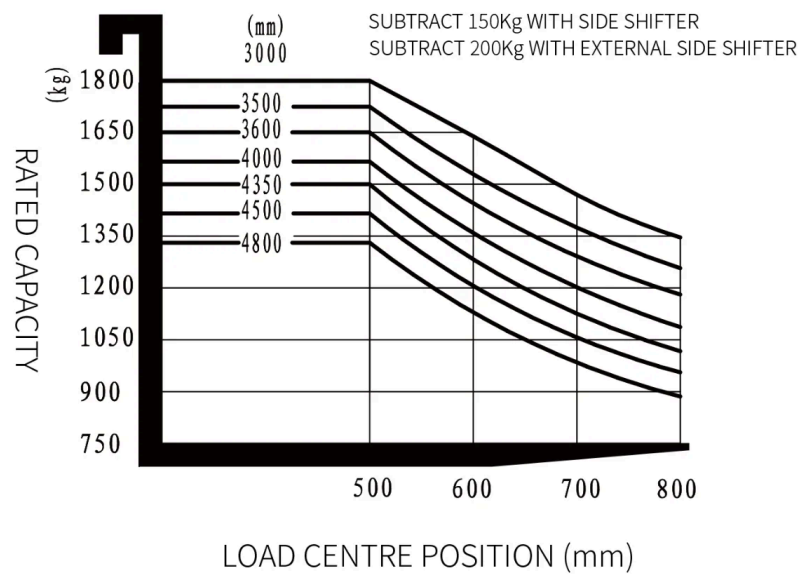
SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1800
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	405
1.9	Wheelbase	y	mm	1260
2.1	Service weight		kg	3030
2.2	Axle loading, laden front/rear		kg	4395/435
2.3	Axle loading, unladen front/rear		kg	1300/1730
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	6.5-10
3.3	Tyre size, rear		mm	5.00-8
3.5	Wheels, number front/rear (x=drive wheels)			2x/ 2
3.6	Tread width, front	b ₁₀	mm	905
3.7	Tread width, rear	b ₁₁	mm	920
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/10
4.2	Height, mast lowered	h ₁	mm	1995
4.3	Free lift	h ₂	mm	130
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4028
4.7	Height of overhead guard (cabin)	h ₆	mm	2080
4.8	Seat height relating to SIP/stand height	h ₇	mm	1060
4.12	Coupling height	h ₁₀	mm	370
4.19	Overall length	l ₁	mm	2935
4.20	Length to face of forks	l ₂	mm	2015
4.21	Overall width	b ₁ /b ₂	mm	1080
4.22	Fork dimensions	s/e/l	mm	40×100×920
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	120
4.34.1	Aisle width for pallets 1000×1200 crossways	A _{st}	mm	3525
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A _{st}	mm	3725
4.35	Turning radius	W _a	mm	1920

	SPECIFICATION	REF	UNIT	VALUE
5.1	Travel speed, laden/unladen		km/h	8.5/9
5.2	Lift speed, laden/unladen		m/s	0.25/ 0.3
5.3	Lowering speed, laden/unladen		m/s	0.43/ 0.45
5.8	Max. gradeability, laden/unladen		%	10.5/15
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	6
6.2	Lift motor rating at S3 15%		kW	7.5
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	150
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	115
6.6	Energy consumption according to DIN EN 16796		kWh/h	3.88
6.7	Turnover output according to VDI 2198			82.8
6.8	Turnover efficiency according to VDI 2198			21.34
8.1	Type of drive unit			AC
10.1	Operating pressure for attachments		bar	180
10.2	Oil volume for attachments		ℓ/min	25
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	70

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.



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)
2-Standard Mast	2500	1745	2985	3528	130	130
2-Standard Mast	2700	1845	3185	3728	130	130
2-Standard Mast	3000	1995	3485	4028	130	130
2-Standard Mast	3300	2145	3785	4328	130	130
2-Standard Mast	3600	2295	4085	4628	130	130
2-Free Mast	2500	1778	2985	3528	1293	750
2-Free Mast	2700	1878	3185	3728	1393	850
2-Free Mast	3000	2028	3485	4028	1543	1000
2-Free Mast	3300	2178	3785	4328	1693	1150
3-Free Mast	4350	2000	4844	5328	1506	975
3-Free Mast	4500	2050	4994	5528	1556	1022
3-Free Mast	4800	2150	5294	5828	1656	1122

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*920 100*40*1070 100*40*1100 100*40*1150 100*40*1220 100*40*1370 100*40*1520 100*40*1800
Fork lowered height	1028mm Yes and can be customized
Fork carriage width option	1068mm Yes and can be customized
Front wheel material	Solid Pneumatic Non-marking tires
Rear wheel material	Solid Pneumatic Non-marking tires
Battery capacity	48V150AH 48V205AH
Charger	48V50A 48V30A
Seat type	Comfortable Suspension
Attachments	No Built-in sideshifter External shifter Adjustable fork
Traction pin	Yes
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Blue lamp	No Yes and not customized
Area warning lamp	No Yes and not customized
Rearview mirror	One in front Two on sides
Buzzer	Yes
OPS system	No Yes and not customized
Telematics	Yes and not customized
Cabin	No Semi-enclosed cab, front wiper, after wiper,with electric fan
Turn signal light	Yes