

EFL183

ELECTRIC COUNTERBALANCE FORKLIFT 1.8T

 1800 kg  6000 mm  80 V Li-Ion



Designed for indoor and outdoor use, the EFL183 excels in manufacturing facilities, retail warehouses, and construction sites. Its compact body and tight turning radius enable smooth maneuvering in confined areas, while the high ground clearance and rugged pneumatic tires make it ideal for outdoor surfaces. Wide selection of 80V Li-Ion batteries, elevation up to 6,0 m and high performance makes EFL183 the perfect choice for operators requiring flexibility and productivity

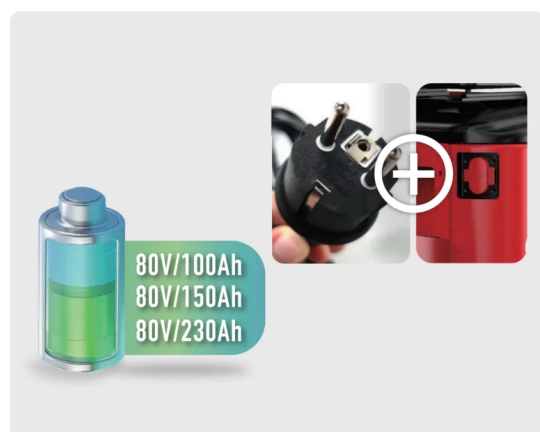
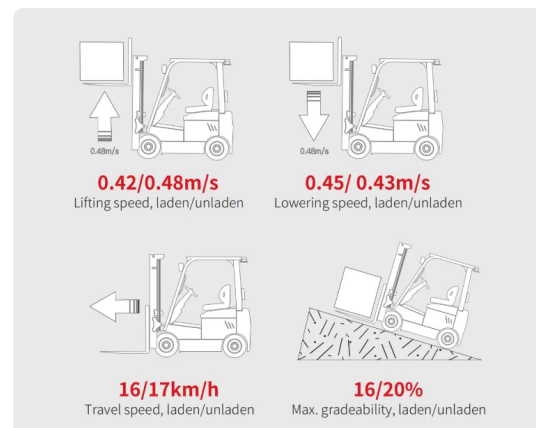
SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFL183
Battery voltage		V	80
Rated capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	3060
Height, mast lowered	h ₁	mm	2020
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4055
Overall length	l ₁	mm	3045
Overall width	b ₁ /b ₂	mm	1146
Length to face of forks	l ₂	mm	2125
Fork dimensions	s/e/l	mm	40×100×920
Turning radius	Wa	mm	1895
Drive			Electric
Operator type			Seated

Features

PMSM Technology

The upgraded 80V architecture, combined with PMSM drive and pump motors, offers up to 17% energy savings versus traditional AC systems and requires no maintenance.

Compared with the EFL181, the EFL183 delivers faster acceleration, higher lifting performance, and greater overall productivity — all with lower operating costs.

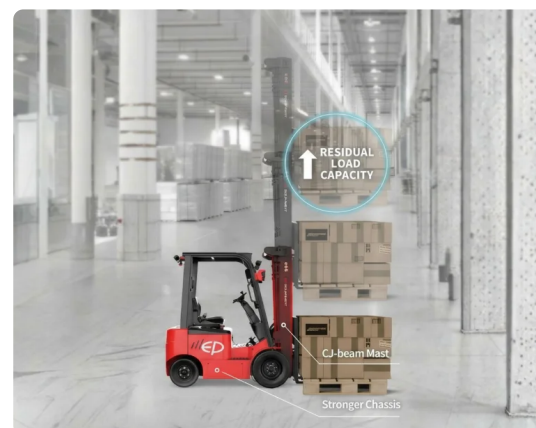


Battery and Charging Options

Designed around Li-ion technology, the EFL183 offers opportunity charging, zero maintenance, no emissions, and longer service life. Available with 80V/100Ah, 80V/150Ah, and 80V/230Ah battery options, it adapts to different workload intensities. Thanks to dual charging flexibility—both integrated and external chargers—operators can optimize uptime and charging convenience throughout the day.

Enhanced Stability

Built for reliability and endurance, the EFL183 features a reinforced CJ-beam mast and a strengthened chassis for maximum stability during high stacking. Compared with its predecessor, it offers higher residual load capacity at equivalent lifting heights, ensuring both strength and confidence in demanding applications.



Operator Comfort and Safety

The cast shock-absorbing steering axle minimizes vibration transmission, while the low-noise gear pump ensures a quiet, smooth driving experience. Great visibility is ensured in all directions thanks to the redesigned mast and overhead guard. Optional turn speed control, travel speed reduction when lifting, and mast speed limitation at full extension further enhance safety and control. The result is a comfortable, quiet, and secure operation — designed to keep drivers productive and protected throughout their shifts.

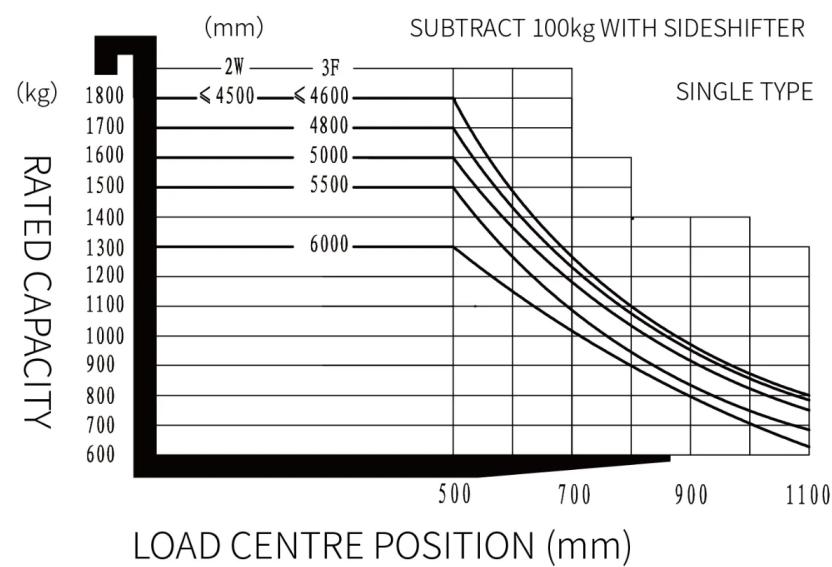
VDI Chart

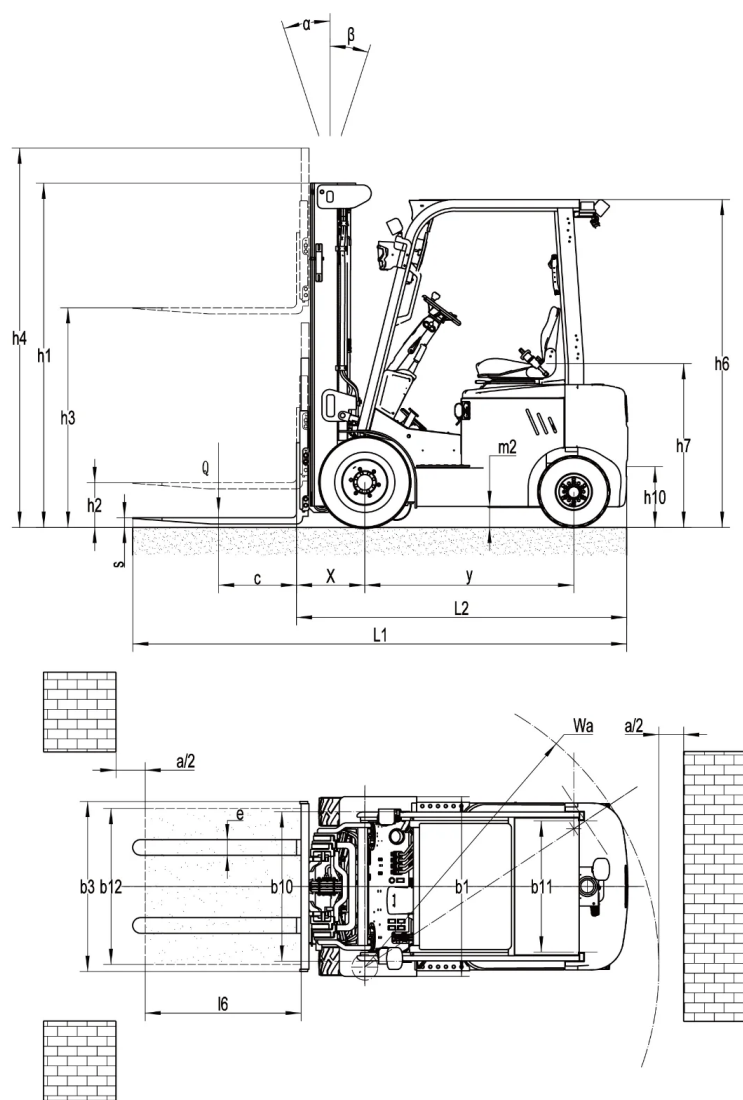
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL183
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1800
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	438
1.9	Wheelbase	y	mm	1340
2.1	Service weight		kg	3060
2.2	Axle loading, laden front/rear		kg	4285/575
2.3	Axle loading, unladen front/rear		kg	1220/1840
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	6.5-10-10PR
3.3	Tyre size, rear		mm	5.00-8-10PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/ 2
3.6	Tread width, front	b ₁₀	mm	955
3.7	Tread width, rear	b ₁₁	mm	915
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/10
4.2	Height, mast lowered	h ₁	mm	2020
4.3	Free lift	h ₂	mm	100
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4055
4.7	Height of overhead guard (cabin)	h ₆	mm	2082
4.8	Seat height relating to SIP/stand height	h ₇	mm	1110
4.12	Coupling height	h ₁₀	mm	360
4.19	Overall length	l ₁	mm	3045
4.20	Length to face of forks	l ₂	mm	2125
4.21	Overall width	b ₁ /b ₂	mm	1146
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	135

SPECIFICATION		REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m ₂	mm	119
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3533
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3733
4.35	Turning radius	Wa	mm	1895
5.1	Travel speed, laden/unladen		km/h	16/17
5.2	Lift speed, laden/unladen		m/s	0.42/0.48
5.3	Lowering speed, laden/unladen		m/s	0.45/ 0.43
5.8	Max. gradeability, laden/unladen		%	16/20
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	8.1
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	150
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	107
6.6	Energy consumption according to DIN EN 16796		kWh/h	5.63
6.7	Turnover output according to VDI 2198			111.6
6.8	Turnover efficiency according to VDI 2198			22.68
8.1	Type of drive unit			PMSM
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)	<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.

EFL183 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	2020	3715	4055	100	100
2W330	3300	2170	4015	4355	100	100
2W350	3500	2270	4215	4555	100	100
2W360	3600	2320	4315	4655	100	100
2W400	4000	2570	4715	5055	100	100
2W450	4500	2820	5215	5555	100	100

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)
2F300	3000	2020	3715	4055	1335	995
2F330	3300	2170	4015	4355	1485	1145
2F360	3600	2320	4315	4655	1635	1295
3F435	4350	2035	5060	5405	1355	1010
3F450	4500	2085	5210	5555	1405	1060
3F480	4800	2185	5510	5855	1505	1160
3F500	5000	2250	5710	6055	1575	1230
3F550	5500	2420	6210	6555	1735	1390
3F600	6000	2635	6710	7055	1955	1610

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
Leg width	1040mm Yes and can be customized
Backrest height	1025mm Yes and can be customized
Front wheel material	Pneumatic Normal solid Non-marking solid
Rear wheel material	Pneumatic Normal solid Non-marking solid
Battery capacity	80V150AH 80V100AH 80V230AH
Charger	80V35A integrated charger 80V60A integrated charger 80V35A external charger 80V60A external charger 80V100A external charger
Battery indicator	With hourmeter
Seat type	Regular Comfortable Suspension Suspension with armrest
Attachments	No Built-in sideshifter External sideshifter Fork positioner with sideshift
Traction pin	No and not customized
Electrostatic chain	Yes and not customized
Front lamp	LED
Rear lamp	No LED

ITEM	OPTIONS (optional items marked in yellow)
Warning lamp	Yes and not customized
Steering lamp	LED
Blue lamp	No Front and rear Rear Two in the front and one in the rear
Area warning lamp	No Both sides Both sides and rear
Rearview mirror	One in front Two on sides
Buzzer	Yes and not customized
OPS system	Yes and not customized
USB interface	USB USB with Type-A and Type-C ports
Telematics	Yes and not customized
Charging interlock-UK standard	Yes and not customized
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Fan heater	No Yes and not customized
AS/NZS function package	No Yes and customized
Turn speed control	No Yes and customized
Operator identification device	No Card reader
Hydraulic system operating mode	Mechanical lever Fingertip Joystick
Rear grab handle with horn	Yes and not customized
Horn on lifting control lever	No Yes and customized
Mast speed reduction at full extension	No Yes and customized