

EFL353S

LI-ION COUNTERBALANCE FORKLIFT 3.5T

 3500 kg  6000 mm  80 V Li-Ion



The EFL 3 Series 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			EFL353S
Battery voltage		V	80
Rated capacity	Q	kg	3500
Load centre distance	c	mm	500
Service weight		kg	4625
Height, mast lowered	h ₁	mm	2070
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4095
Overall length	l ₁	mm	3688
Overall width	b ₁ /b ₂	mm	1210
Length to face of forks	l ₂	mm	2618
Fork dimensions	s/e/l	mm	50X122X1070
Turning radius	Wa	mm	2405
Drive			Electric
Operator type			Seated

Features

Higher performance for productivity boost

- Max travel speed 19/20km/h to cover diverse intralogistics application needs.
- Max battery capacity 80V/560Ah and max charging current 200A for longer uptime and fast charging.
- Max gradeability 22/28% to deliver better stability on ramps.
- Max lifting speed 0.48/0.54m/s for greater efficiency.

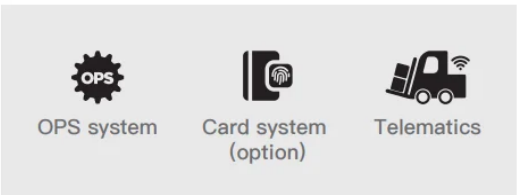


The truck structure integrates aesthetics and practical design

Both practicality and beauty are reflected in the design of the new EFL series. It inherits the robust chassis of the T8 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 new generation of EFL series handles loads with consistently high performance due to opportunity charging even for the most demanding applications.

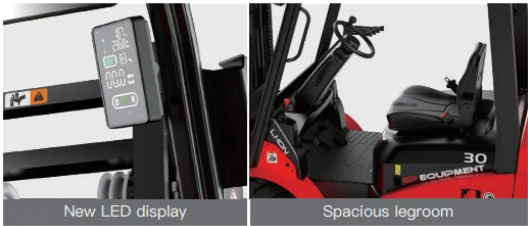


Multi-functions for safe operation and easy fleet management

The new EFL series 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 new EFL series 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 glanc

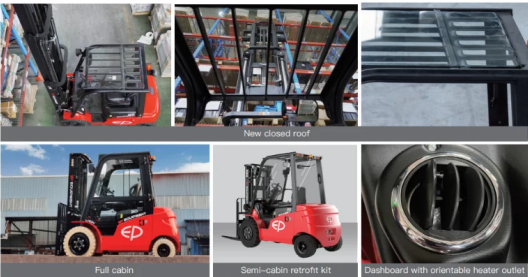


Joystick option available for fatigue-free work

The S/P version 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.



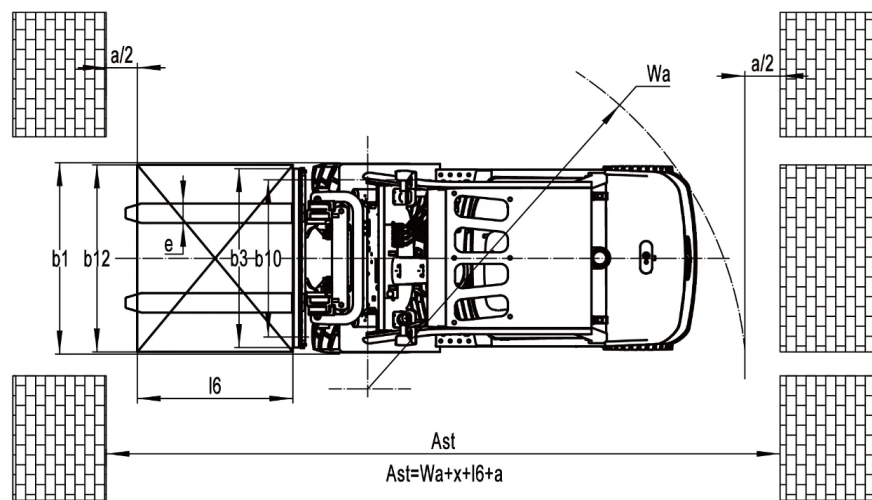
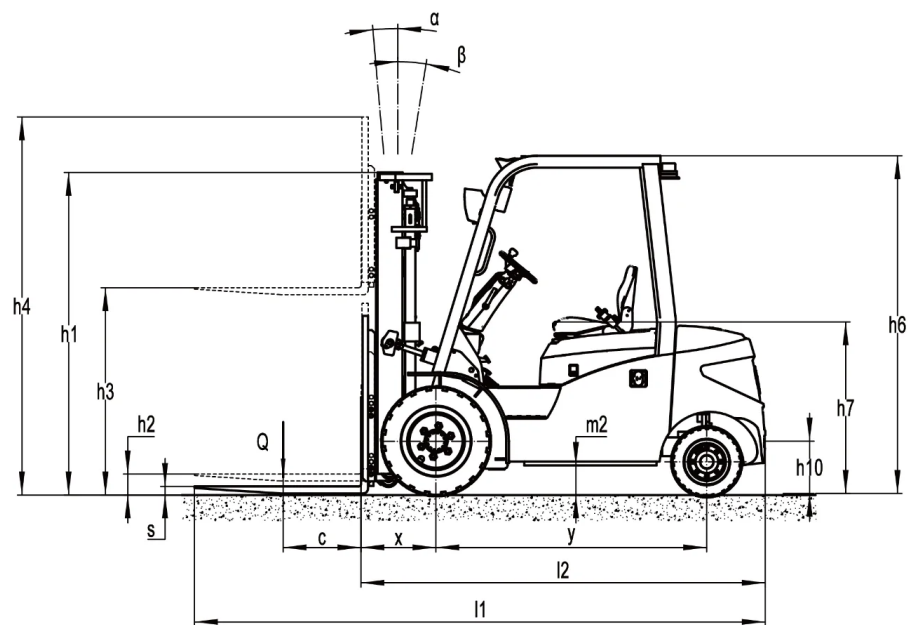
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFL353S
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	3500
1.6	Load centre distance	c	mm	500

	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork	x	mm	486
1.9	Wheelbase	y	mm	1740
2.1	Service weight		kg	4625
2.2	Axle loading, laden front/rear		kg	7355/770
2.3	Axle loading, unladen front/rear		kg	1870/2755
3.1	Tyres			Solidrubber
3.2	Tyre size, front		mm	28x9-15
3.3	Tyre size, rear		mm	200/50-10
3.5	Wheels, number front/rear (x=drive wheels)			2X-2
3.6	Tread width, front	b ₁₀	mm	1010
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	2070
4.3	Free lift	h ₂	mm	135
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4095
4.7	Height of overhead guard (cabin)	h ₆	mm	2180
4.8	Seat height relating to SIP/stand height	h ₇	mm	1110
4.12	Coupling height	h ₁₀	mm	345
4.19	Overall length	l ₁	mm	3688
4.20	Length to face of forks	l ₂	mm	2618
4.21	Overall width	b ₁ /b ₂	mm	1210
4.22	Fork dimensions	s/e/l	mm	50X122X1070
4.23	Fork carriage ISO 2328, class/type A, B			3A
4.24	Fork carriage width		mm	1100
4.31	Ground clearance, laden, below mast		mm	130
4.32	Ground clearance, centre of wheelbase	m ₂	mm	185
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4091
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4291
4.35	Turning radius	wa	mm	2405
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		%	18/25

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	280
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	186
6.6	Energy consumption according to DIN EN 16796		kWh/h	11.43
6.7	Turnover output according to VDI 2198			217
6.8	Turnover efficiency according to VDI 2198			22.01
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

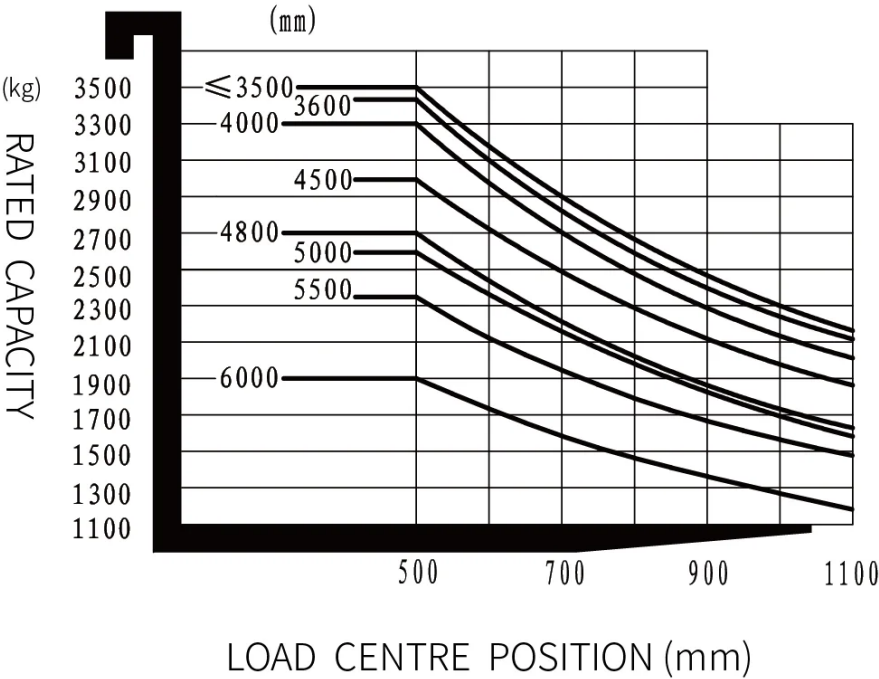
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EFL353(S, P)

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	2700	1915	3365	3830	135	135
2-Standard Mast	3000	2065	3665	4130	135	135
2-Standard Mast	3300	2215	3965	4430	135	135
2-Standard Mast	3500	2315	4165	4630	135	135
2-Standard Mast	3600	2365	4265	4730	135	135
2-Standard Mast	4000	2615	4665	5130	135	135

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	4500	2865	5165	5630	135	135
2-Free Mast	3000	2045	3715	4175	1410	950
2-Free Mast	3300	2195	4015	4475	1560	1100
2-Free Mast	3600	2345	4315	4775	1710	1250
3-Free Mast	4300	2085	5030	5435	1395	990
3-Free Mast	4500	2165	5220	5625	1475	1070
3-Free Mast	4700	2235	5470	5875	1540	1135
3-Free Mast	4800	2270	5520	5925	1580	1175
3-Free Mast	5000	2355	5720	6125	1665	1260
3-Free Mast	5500	2605	6220	6625	1915	1510
3-Free Mast	6000	2855	6720	7125	2165	1760

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*50*1070 122*50*1150 122*50*1220 122*50*1370 122*50*1520 122*50*1600 122*50*1700 122*50*1820 122*50*2000 122*50*2420
Fork carriage width option	1100mm Yes and can be customized
Fork carriage height	1095mm 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 80V280AH
Charger	80V35A external 80V65A external 80V60A external 80V100A external 80V150A external 80V200A external
Battery indicator	With time
Seat type	Regular Premium Suspension Suspension + seatbelt logic switch Suspension seat with armrest
Attachments	No Built-in sidershifter External shifter Fork positioner

ITEM	OPTIONS (optional items marked in yellow)
Traction pin	Yes
Electrostatic chain	Yes
Battery and charger with heating function	No Yes and not customized
Front lamp	LED
Rear lamp	LED No
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No Rear Front and rear
Area warning lamp	No Both sides Both sides and rear
Rearview mirror	One in front Two on 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