

# EFX4-353

## LI-ION COUNTERBALANCE FORKLIFT 3500KG WITH LATERAL-SWAP BATTERY

 3500 kg
  3000 mm
  80 V Li-Ion



The EFX4-353 is engineered for heavy-duty logistics and high-intensity industrial environments. Its robust chassis and strong gradeability make it perfect for both indoor and outdoor usage, including slopes and uneven surfaces. Thanks to the lateral-swap battery system, this truck specifically excels in multi-shift scenarios—such as large distribution centers, manufacturing plants, and the beverage industry—where 24/7 continuous operation is required without downtime.

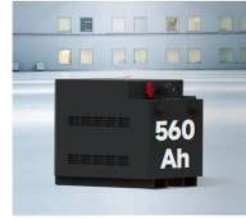
SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	560
Battery voltage		V	80
Load capacity	Q	kg	3500
Load centre distance	c	mm	500
Service weight		kg	5058
Retracted mast height	$h_1$	mm	2070
Lift height	$h_3$	mm	3000
Height, mast extended	$h_4$	mm	4130
Overall length		mm	3735
Overall width	$b_1/b_2$	mm	1228
Length to face of forks	l2	mm	2665
Fork dimensions	s/e/l	mm	50×122×1070
Turning radius		Wa	2428
Manufacturer			EP
Model designation			EFX4-353

# Features

## Lateral Battery Swap for Extended Runtime

Extended Runtime: Long-lasting 560Ah lithium battery meets high-intensity and long-time operations.

Lateral Battery Swap: The lateral battery swap design boosts efficiency and minimizes truck downtime.



OPS system



Swappable or Direct Charge



LED Display



## Optimized Ergonomics for Greater Comfort

- OPS system for enhanced safety.
- A wide-view mast design reduces blind spots and improves safety.
- Informative LED display
- Rear grab handle with a horn button for more convenient operation.
- The large foot brake pedal is designed for fatigue-free operation.

## Robust Design for High-Intensity Conditions

Improved performance for high-intensity and heavy-duty environments

- Max travel speed: 17 km/h
- Max gradeability: 25%
- Lifting speed (laden/unladen) : 0.37/0.51m/s



## VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFX4-353
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	3500
1.6	Load centre distance	c	mm	500

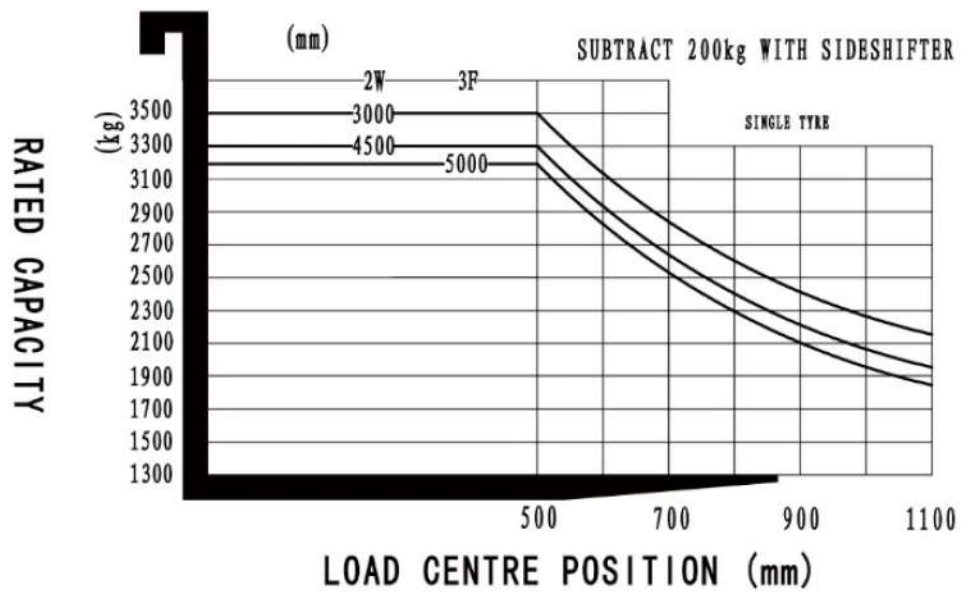
	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork		mm	486
1.9	Wheelbase		mm	1760
2.1	Service weight		kg	5058
2.2	Axle loading, laden front/rear		kg	7705/853
2.3	Axle loading, unladen front/rear		kg	2244/2814
3.1	Tyre type			Pneumatic
3.2	Tyre size, front		mm	28X9-15-14PR
3.3	Tyre size, rear		mm	6.50-10-10PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.12	Tow coupling height		mm	468
4.19	Overall length		mm	3735
4.2	Retracted mast height	$h_1$	mm	2070
4.20	Length to face of forks	l <sub>2</sub>	mm	2665
4.21	Overall width	$b_1/b_2$	mm	1228
4.22	Fork dimensions	s/e/l	mm	50×122×1070
4.23	A,B Fork carriage class/type A, B			3A
4.24	Fork carriage width		mm	1100
4.3	Free lift		mm	130
4.31	Ground clearance, laden, below mast		mm	125
4.32	Ground clearance, centre of wheelbase		mm	130
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	4115
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4315
4.35	Turning radius		Wa	2428
4.4	Lift height	$h_3$	mm	3000
4.5	Height, mast extended	$h_4$	mm	4130
4.7	Height of overhead guard (cabin)		mm	2143
4.8	Seat height/standing height		mm	1141
5.1	Travel speed, laden/unladen		km/h	16/17
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.37/0.51
5.3	Lowering speed, laden/unladen		m/s	0.41/0.44
5.8	Max. gradeability, laden/unladen		%	18/25
6.1	Drive motor rating S2 60 min		kW	16

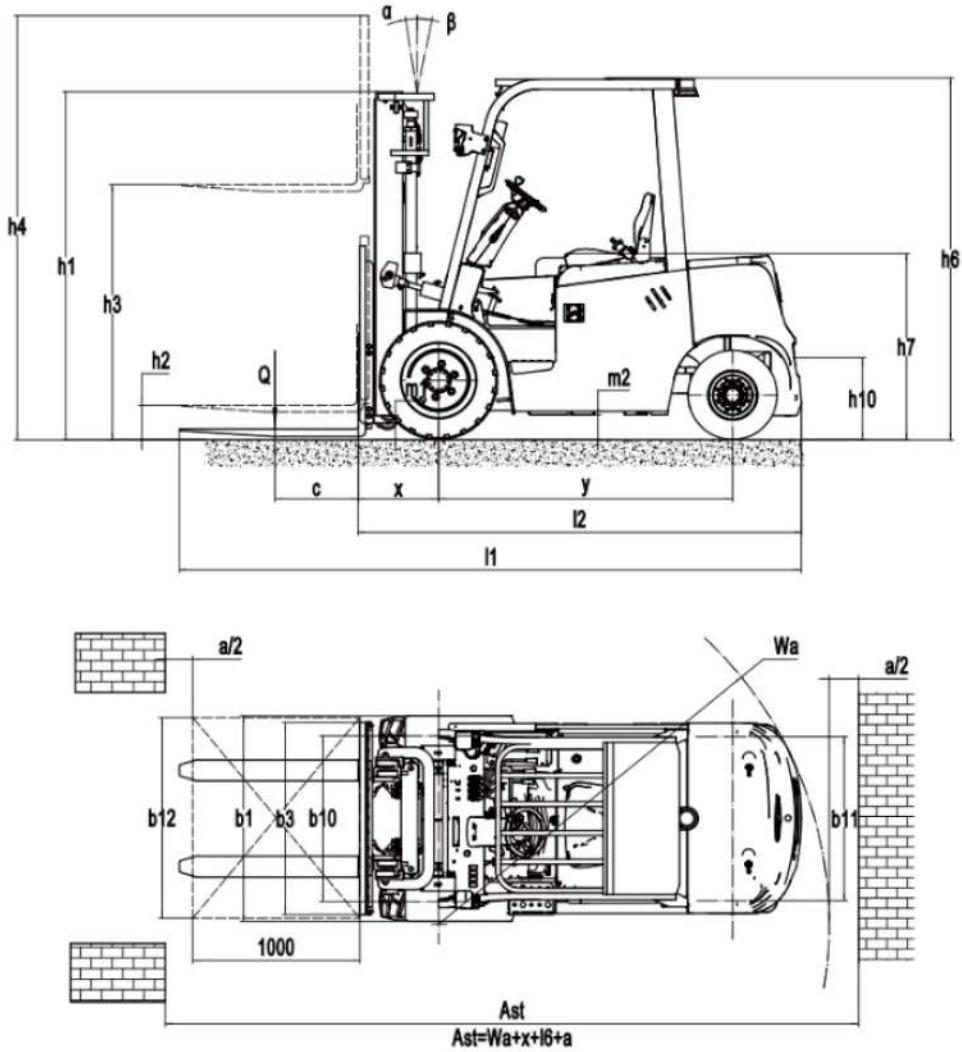
	SPECIFICATION	REF	UNIT	VALUE
6.2	Lift motor rating at S3 15%		kW	30
6.4	Battery nominal capacity		Ah	560
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	439
8.1	Type of drive control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	< 74

## VDI Drawing

EFX4-353

### 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	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	2080	5030	5435	1390	985
3-Free Mast	4500	2160	5270	5675	1470	1065
3-Free Mast	4800	2265	5570	5975	1575	1170
3-Free Mast	5000	2350	5720	6125	1660	1255
3-Free Mast	5500	2600	6220	6625	1910	1505
3-Free Mast	6000	2850	6720	7125	2160	1755

## 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*2200   122*50*2420
Seat type	Comfortable   Regular   Suspension   Suspension with armrest
Attachments	No   Built-in sideshifter   External sideshifter   Fork positioner with sideshift
Traction pin	Yes and not customized
Electrostatic chain	Yes and not customized
Front wheel material	Pneumatic   Normal solid   Non-marking solid
Rear wheel material	Pneumatic   Normal solid   Non-marking solid
Battery capacity	80V/560AH
Charger	80V-60A External charger   80V-65A External charger   80V100A External charger   80V150A External charger   80V200A External charger
Battery display indicator (BDI)	With hourmeter (Bluetooth) without ESP
Area warning lamp	No   Both sides   Both sides and rear
Rearview mirror	One in front   Two on sides and one in front
Buzzer	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
OPS system	Yes and not customized
USB interface	No   Yes and not customized
Telematics	Yes and not customized
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes and not customized
Blue lamp	No   Rear   Front and rear
Proportional lift system	Yes and not customized
Overhead guard	No   With tempered glass
Clamp interlock	No
Turn signal light	LED
Turn speed control	No
Heating system during lithium battery charging	No   Yes and not customized
Operator identification device	No   Card reader   Fingerprint lock
Lifting electronic limit	No   Yes and not customized
Hydraulic control	Mechanical lever
Rear armrest horn	Yes and not customized
Windshield washer system	No