

EFX5-251

ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 2.5T

 2500 kg  6000 mm  80 V Li-Ion



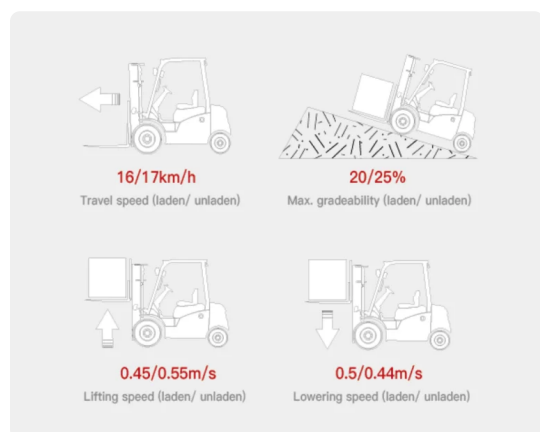
The X5 Series is ideal for medium to heavy-duty operations, from manufacturing and construction to logistics centers and outdoor yards. Its pneumatic tires, 150 mm ground clearance, and sealed electrical components enable smooth, safe operation even on uneven or unpaved surfaces. The modular Li-ion battery system allows companies to expand energy capacity from 280Ah to 560Ah, adapting to single-shift, multi-shift, or seasonal high-demand applications without changing the truck setup.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			EFX5-251
Battery voltage		V	80
Rated capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3835
Height, mast lowered	h ₁	mm	2090
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4065
Overall length	l ₁	mm	3590
Overall width	b ₁ /b ₂	mm	1154
Length to face of forks	l ₂	mm	2520
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	Wa	mm	2270
Drive			Electric
Operator type			Seated

Features

Modular Li-ion battery system for maximum flexibility

The X5 Series introduces a modular battery architecture, allowing operators to install one or two battery modules depending on workload intensity. Each 80V/280Ah unit can be combined to achieve 560Ah total capacity, offering long runtime and seamless power management. This flexibility supports 24/7 operations and makes the X5 adaptable to evolving user needs over time



High performance for productivity boost

Delivering travel speeds up to 17 km/h, lifting speeds up to 0.55 m/s, and gradeability up to 25%, the X5 ensures fast, efficient handling comparable to traditional IC forklifts. Its lithium technology guarantees consistent performance and fast recovery through opportunity charging, enabling maximum uptime in fast-paced operations.

All-terrain capability with 150 mm ground clearance

With pneumatic tires and 150 mm ground clearance, the X5 Series effortlessly manages ramps, potholes, and rough surfaces. The robust undercarriage prevents chassis damage and ensures reliable mobility across mixed terrains, making it a dependable solution for both warehouse and outdoor logistics.



Operator comfort and improved components

The X5 prioritizes operator safety and comfort with a redesigned cabin, high-visibility mast, ergonomic seat with armrest, wide brake pedal, and large LED display. Enhanced LED front lighting and improved hydraulic controls offer excellent visibility and smooth, precise operation throughout the workday.

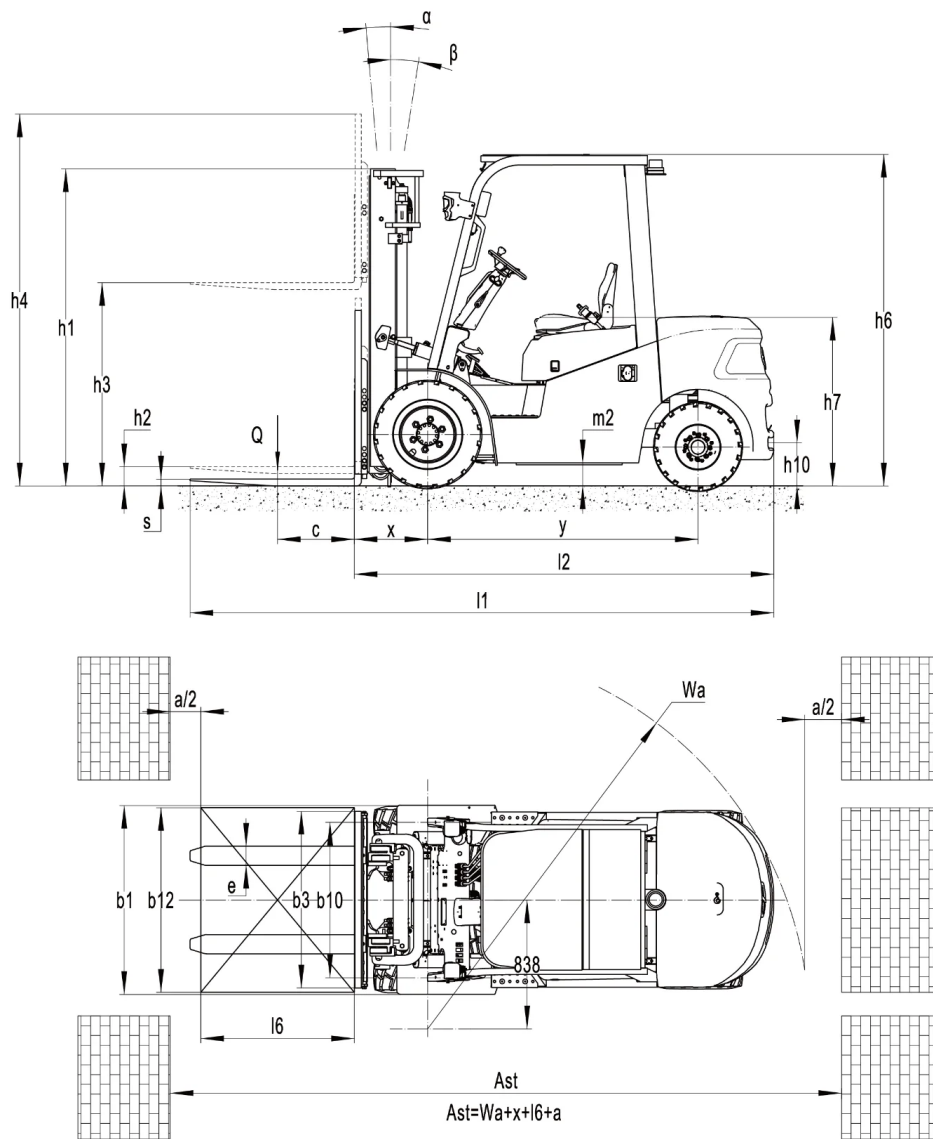


VDI Chart

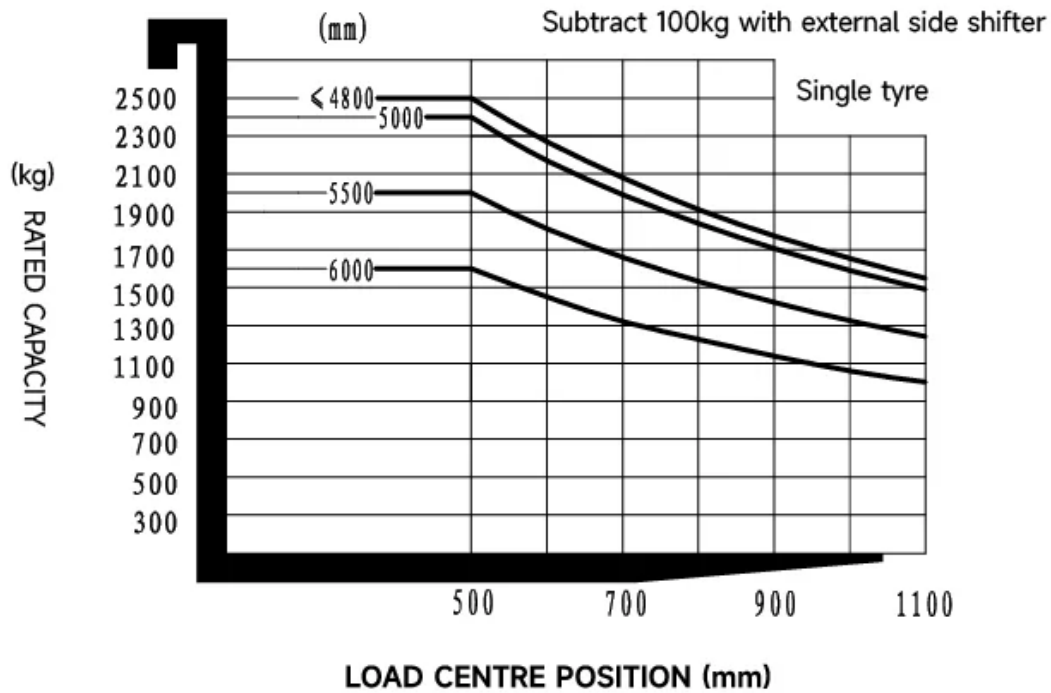
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			EFX5-251
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	495
1.9	Wheelbase	y	mm	1685
2.1	Service weight		kg	3835
2.2	Axle loading, laden front/rear		kg	5679/656
2.3	Axle loading, unladen front/rear		kg	1711/2124
3.1	Tyres			Pneumatic
3.2	Tyre size, front		mm	7.00-12-12PR
3.3	Tyre size, rear		mm	18X7-8-14PR
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	195
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4065
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	315
4.19	Overall length	l ₁	mm	3590
4.20	Length to face of forks	l ₂	mm	2520
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/l	mm	40×122×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width	b ₃	mm	1040
4.31	Ground clearance, laden, below mast	m ₁	mm	115

SPECIFICATION		REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3965
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	4165
4.35	Turning radius	Wa	mm	2270
5.1	Travel speed, laden/unladen		km/h	16/17
5.2	Lift speed, laden/unladen		m/s	0.38/0.45
5.3	Lowering speed, laden/unladen		m/s	0.54/0.56
5.8	Max. gradeability, laden/unladen		%	17/25
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	16
6.2	Lift motor rating at S3 15%		kW	24
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	185
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.7 ¹⁾
6.7	Turnover output according to VDI 2198			155
6.8	Turnover efficiency according to VDI 2198			22.63
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.



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	2090	3595	4060	195	195
2-Standard Mast	3300	2240	3895	4360	195	195
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	5280	5595	1435	1120

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)
3-Free Mast	4700	2215	5480	5795	1505	1190
3-Free Mast	4800	2250	5580	5895	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*1070 122*40*920 122*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
Front wheel material	Pneumatic Normal solid Traceless solid
Rear wheel material	Pneumatic Normal solid Traceless solid
Battery capacity	80V280AH 80V560AH
Charger	80V35A integrated 80V60A integrated 80V60A◦80V100A 80V150A 80V200A (560AH)
Battery indicator	With time Bluetooth without PSE
Seat type	Comfortable + safety belt switch Seat with armrest with safety belt swich Suspension + safety belt switch
Attachments	Built-in sideshifter External shifter Fork positioner with sideshift Clamp
Traction pin	Yes and not customized
Electrostatic chain	Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	LED
Blue lamp	No Rear Front and rear
Area warning lamp	No Both side Both side and rear
Rearview mirror	One in front Two on sides Two on side and one in front
Buzzer	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
OPS system	Yes and not customized
USB interface	USB with A and C type
Telematics	Yes and not customized No
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Overhead guard	With tempered glass No
Turn speed control	No Yes and not customized
Heating system during lithium battery charging	No Yes and not customized
Operator identification device	No Card reader
Lifting electronic limit	No Yes and not customized
Hydraulic system operating mode	Mechanical lever Joystick Fingertip
Rear armrest horn	Yes and not customized
Wiper water unit	Yes only with cabin