

# Electric Forklift

Increased stability for handling heavier loads with advances in load capacity, a reliable choice for various industrial applications.

## Specialized Battery Options:

- Varied lithium battery options with different ampere-hour capacities.

## Reliability & Security Features:

- Employs an efficient H-type driving axle for improved structure layout and efficiency.
- High-power AC driving motor with ample torque, equipped with heat radiating grooves for prolonged use.
- Multifunctional display showcasing usage time, fault codes, battery status, and forklift info.
- Maintenance-free AC driving motor ensures silent operation with low electric current.
- Relocated battery lowers the center of gravity, enhancing steering stability.
- Steering circuit preference and dual-controller design ensure safety, efficiency, and energy conservation.
- Features a metal housing and full LED lighting for enhanced protection and visibility.

## Ergonomic Design & Serviceability:

- The premium structural design creates a spacious and comfortable operating environment.
- Adjustable steering wheel column for personalized positioning. Integrated light switch and steering wheel for convenience.
- Offers a clear, wide view of the mast for improved visibility with intelligent mast collapse buffering as an added safety feature.
- Easily maintained controller and steering potentiometer. A braking oil cup is on the instrument panel for convenient monitoring and refilling.
- Brushless lifting and driving motors reduce ownership costs and external encoders ensure easy replacement.
- Over discharge protection system alerts when the battery discharges below 20%.

For more information, please visit: [www.linconson.com](http://www.linconson.com)

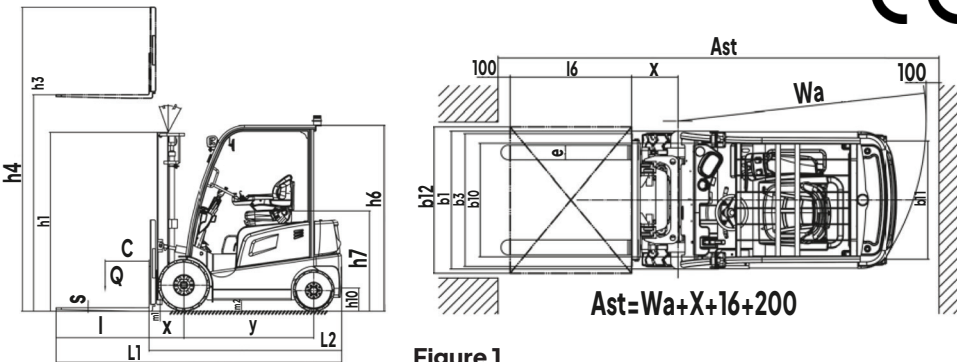


Figure 1.



# Electric Forklift Model LI-EFLX-X



Powerful Performance  
Forklifts by Linconson Industries

Model		LI-EFLX-25	LI-EFLX-30	LI-EFLX-35
General Information	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric	Electric
	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated
	Rated capacity/rated load	Q 2500 (kg)   5511.6 (lb)	3000 (kg)   6613.9 (lb)	3500 (kg)   7716.2 (lb)
	Load centre distance	C 500 (mm)   1 ft 7.7 in	500 (mm)   1 ft 7.7 in	500 (mm)   1 ft 7.7 in
	Load distance, centre of drive axle to fork	X 445 (mm)   1 ft 5.5 in	460 (mm)   1 ft 6.1 in	460 (mm)   1 ft 6.1 in
	Wheelbase	y 1480 (mm)   4 ft 10.3 in	1640 (mm)   5 ft 4.6 in	1640 (mm)   5 ft 4.6 in
Weight	Service weight	4150 (kg)   9149.2 (lb)	4800 (kg)   10582.2 (lb)	5200 (kg)   11464 (lb)
	Axle loading, laden front/rear	5857/793 (kg)   12912.5/1748.3 (lb)	6950/850 (kg)   15322.1/1873.9 (lb)	7870/830 (kg)   17350.4/1829.8 (lb)
	Axle loading, unladen front/rear	1859/2291 (kg)   4098.4/5050.8 (lb)	2200/2600 (kg)   4850.2/5732 (lb)	2300/2900 (kg)   5070.6/6393.4 (lb)
Tires	Tires: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic/ solid	Pneumatic/ solid	solid rubber
	Tire size, front	Φ23 X 9 - 10 (mm)   Φ0.9 X 0.4 (in)	Φ23 X 9 - 10 (mm)   Φ0.9 X 0.4 (in)	Φ23 X 10 - 12 (mm)   Φ0.9 X 0.4 - 0.5 (in)
	Tire size, rear	Φ18 X 7 - 8 (mm)   Φ0.7 X 0.3 (in)	Φ18 X 7 - 8 (mm)   Φ0.7 X 0.3 (in)	Φ200/ 50 - 10 (mm)   Φ7.9 X 2 - 0.4 (in)
	Wheels, number front/rear (x = driven wheels)	2x/ 2	2x/ 2	2x/ 2
	Tread, front	b10 970 (mm)   3 ft 2.2 in	1040 (mm)   3 ft 4.9 in	1040 (mm)   3 ft 4.9 in
	Tread, rear	b11 950 (mm)   3 ft 1.4 in	950 (mm)   3 ft 1.4 in	950 (mm)   3 ft 1.4 in
Dimensions	Tilt of mast/fork carriage forward/backward	a/b 5/10°	5/10°	5/10°
	Height, mast lowered	h1 2050 (mm)   6 ft 8.7 in	2160 (mm)   7 ft 1 in	2160 (mm)   7 ft 1 in
	Lift	h3 3000 - 6500 (mm)   9 ft 10.1 in - 21 ft 3.9 in	3000 - 6500 (mm)   9 ft 10.1 in - 21 ft 3.9 in	3000 - 7000 (mm)   9 ft 10.1 in - 22 ft 11.6 in
	Height, mast extended	h4 4050 (mm)   13 ft 3.4 in	4270 (mm)   14 ft 0.1 in	4290 (mm)   14 ft 0.9 in
	Height of overhead guard (cabin)	h6 2100 (mm)   6 ft 10.7 in	2160 (mm)   7 ft 1 in	2160 (mm)   7 ft 1 in
	Seat height relating to SIP/stand height	h7 1040 (mm)   3 ft 4.9 in	1070 (mm)   3 ft 6.1 in	1070 (mm)   3 ft 6.1 in
	Coupling height	h10 260 (mm)   10.2 (in)	260 (mm)   10.2 (in)	260 (mm)   10.2 (in)
	Overall length	L1 3350 (mm)   10 ft 11.9 in	3550 (mm)   11 ft 7.8 in	3620 (mm)   11 ft 10.5 in
	Length to face of forks	L2 2280 (mm)   7 ft 5.8 in	2470 (mm)   8 ft 1.2 in	2540 (mm)   8 ft 4 in
	Overall width	b1/b2 1200 (mm)   3 ft 11.2 in	1302 (mm)   4 ft 3.3 in	1302 (mm)   4 ft 3.3 in
	Fork dimensions DIN ISO 2331	s / e / l 40 / 120 / 1070 (mm)   1.6 in / 4.7 in / 3 ft 6.1 in	45 / 125 / 1070 (mm)   1.8 in / 4.9 in / 3 ft 6.1 in	50 / 125 / 1070 (mm)   2 in / 4.9 in / 3 ft 6.1 in
	Fork-carriage width	b3 1160 (mm)   3 ft 9.7 in	1220 (mm)   4 ft	1220 (mm)   4 ft
	Ground clearance, laden, below mast	m1 110 (mm)   4.3 (in)	115 (mm)   4.5 (in)	115 (mm)   4.5 (in)
	Ground clearance, centre of wheelbase	m2 110 (mm)   4.3 (in)	120 (mm)   4.7 (in)	120 (mm)   4.7 (in)
	Aisle width for pallets 1000 x 1200 crossways	Ast 3700 (mm)   12 ft 1.7 in	3900 (mm)   12 ft 9.5 in	3960 (mm)   12 ft 11.9 in
	Aisle width for pallets 800 x 1200 lengthways	Ast 3900 (mm)   12 ft 9.5 in	4100 (mm)   13 ft 5.4 in	4160 (mm)   13 ft 7.8 in
Turning radius	Wa 2180 (mm)   7 ft 1.8 in	2280 (mm)   7 ft 5.8 in	2340 (mm)   7 ft 8.1 in	
Performance Data	Travel speed, laden/unladen	km/h 12/13	12/13	12/13
	Lift speed, laden/unladen	m/s 0.26/ 0.3	0.25/ 0.35	0.21/ 0.35
	Lowering speed, laden/unladen	m/s 0.36/ 0.42	0.4/ 0.40	0.4/ 0.40
	Max. Gradeability, laden/unladen	% 13/14	13/14	13/14
	Service brake	hydraulic	hydraulic	hydraulic
Motors	Drive motor rating S2 60 min	kW 11 (AC)	14 (AC)	14 (AC)
	Lift motor rating at S3 15%	kW 12 (AC)	13.5 (AC)	13.5 (AC)
	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh 48/ 500 (560, 630)	80/400 (450, 500)	80/ 400 (450, 500)
	Battery weight	1055 (kg)   2325.9 (lb)	1383 (kg)   3049 (lb)	1383 (kg)   3049 (lb)
	Sound pressure level at the driver's seat	dB (A) 68	68	68

\*Refer to Figure 1. for additional info for abbreviation references (eg. h14).