

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.uslindustrial.com

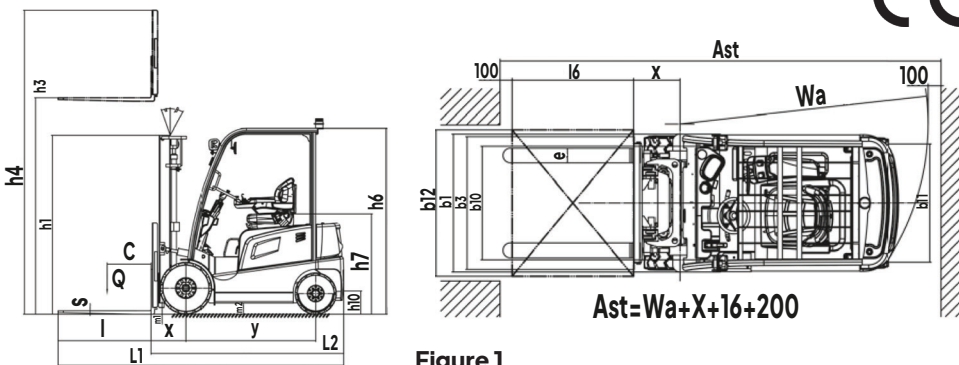


Figure 1.

Electric Forklift Model LI-EFLX-X



Powerful Performance
Forklifts

General Information	Model		LI-EFLX-25	LI-EFLX-30	LI-EFLX-35
	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
Weight	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
	Service weight		4150 (kg) 9149.2 (lb)	4800 (kg) 10582.2 (lb)	5200 (kg) 11464 (lb)
Tires	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: 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)
Dimensions	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
	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)
Performance Data	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
	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
Motors	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
	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).

	Model		LI-EFLX-16	LI-EFLX-20
			Electric	Electric
General Information	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric
	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated
	Rated capacity/rated load	Q	1600 (kg) 3527.4 (lb)	2000 (kg) 4409.2 (lb)
	Load centre distance	C	500 (mm) 1 ft 7.7 in	500 (mm) 1 ft 7.7 in
	Load distance, centre of drive axle to fork	X	395 (mm) 1 ft 3.6 in	395 (mm) 1 ft 3.6 in
Weight	Wheelbase	y	1360 (mm) 4 ft 5.5 in	1480 (mm) 4 ft 10.3 in
	Service weight		3100 (kg) 6834.3 (lb)	3500 (kg) 7716.2 (lb)
	Axle loading, laden front/rear		3870/ 730 (kg) 8531.9/ 1609.4 (lb)	4815/ 685 (kg) 10615.3/ 1510.2 (lb)
	Axle loading, unladen front/rear		1400/ 1700 (kg) 3086.5/ 3747.9 (lb)	1635/ 1865 (kg) 3604.6/ 4111.6 (lb)
Tires	Tires: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic/ solid	Pneumatic/ solid
	Tire size, front		6.50 – 10	6.5 – 10
	Tire size, rear		5.00 – 8	5.00 – 8
	Wheels, number front/rear (x = driven wheels)		2x/2	2x/2
	Tread, front	b10	930 (mm) 3 ft 0.6 in	930 (mm) 3 ft 0.6 in
	Tread, rear	b11	920 (mm) 3 ft 0.2 in	920 (mm) 3 ft 0.2 in
	Tilt of mast/fork carriage forward/backward	a/b	5/10°	5/10°
Dimensions	Height, mast lowered	h1	2015 (mm) 6 ft 7.3 in	2015 (mm) 6 ft 7.3 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
	Height, mast extended	h4	4067 (mm) 13 ft 4.1 in	4050 (mm) 13 ft 3.4 in
	Height of overhead guard (cabin)	h6	2100 (mm) 6 ft 10.7 in	2100 (mm) 6 ft 10.7 in
	Seat height relating to SIP/stand height	h7	1040 (mm) 3 ft 4.9 in	1040 (mm) 3 ft 4.9 in
	Coupling height	h10	260 (mm) 10.2 (in)	260 (mm) 10.2 (in)
	Overall length	l1	3000 (mm) 9 ft 10.1 in	3270 (mm) 10 ft 8.7 in
	Length to face of forks	l2	2080 (mm) 6 ft 9.9 in	2200 (mm) 7 ft 2.6 in
	Overall width	b1/b2	1130 (mm) 3 ft 8.5 in	1130 (mm) 3 ft 8.5 in
	Fork dimensions DIN ISO 2331	s / e/ l	40/100/ 920 (mm) 1.6 in/ 3.9 in/ 3 ft 0.2 in	40/ 120/ 1070 (mm) 1.6 in/ 4.7 in/ 3 ft 6.1 in
	Fork-carriage width	b3	1088 (mm) 3 ft 6.8 in	1088 (mm) 3 ft 6.8 in
	Ground clearance, laden, below mast	m1	105 (mm) 4.1 (in)	110 (mm) 4.3 (in)
	Ground clearance, centre of wheelbase	m2	115 (mm) 4.5 (in)	115 (mm) 4.5 (in)
	Aisle width for pallets 1000 x 1200 crossways	Ast	3500 (mm) 11 ft 5.8 in	3600 (mm) 11 ft 9.7 in
	Aisle width for pallets 800 x 1200 lengthways	Ast	3700 (mm) 12 ft 1.7 in	3800 (mm) 12 ft 5.6 in
Performance Data	Turning radius	Wa	1980 (mm) 6 ft 6 in	2080 (mm) 6 ft 9.9 in
	Travel speed, laden/unladen	km/h	12/ 13	12/ 13
	Lift speed, laden/unladen	m/s	0.26/ 0.35	0.28/ 0.32
	Lowering speed, laden/unladen	m/s	0.36/ 0.42	0.36/ 0.42
	Max. Gradeability, laden/unladen	%	15/ 20	15/ 20
Motors	Service brake		hydraulic	hydraulic
	Drive motor rating S2 60 min	kW	7 (AC)	8 (AC)
	Lift motor rating at S3 15%	kW	10 (AC)	10.6 (AC)
	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	48/ 375 (420, 480)	48/ 450 (500, 560.630)
	Battery weight		720 (kg) 1587.3 (lb)	1055 (kg) 2325.9 (lb)
	Sound pressure level at the driver's seat	dB (A)	68	68

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