

Electric Cushion Tire Lift Trucks

Capacity: 3,000-4,000 lb



E3000-EC4000 Series

Top Performance

Demanding applications call for tough equipment. Cat® lift trucks are built for diverse, rugged applications without sacrificing operator comfort and convenience. With an extensive list of premium standard features, the E3000-EC4000 Series is designed to get the job done.



Cat lift trucks set the standard for the ultimate lifting experience. Exceptional comfort, hardworking products you can depend on and industry-leading customer service make these lift trucks the only choice for your material handling needs.

Combining the latest in advanced AC control systems, operator ergonomics, and customized performance, the E3000-EC4000 Series of four-wheel electric cushion tire lift trucks is up to virtually any application challenge. Manufactured in Houston, Texas, and supported by an extensive dealer network, these trucks provide the productivity you expect.



Model	Base Capacity At 24 in. Load Center (lb)	Minimum Aisle Width/ Add Load Length And Clearance (in)	Battery Compartment L x W x H (in)
E3000	3,000	85.0	27.8 x 35.8 x 23.3
E3500	3,500	85.0	27.8 x 35.8 x 23.3
EC4000	4,000	87.5	27.8 x 35.8 x 23.3

QUALITY



Comfortable Ride

Adjustable for operator weight, lumbar support and position, the full-suspension seat includes an ergonomic operator restraint system which helps support the operator even when turning to face rearward.

Steer Position Control

The tilt steering column offers infinitely adjustable tilt within a 21 degree range for improved operator comfort and productivity.



Adjustable seating for increased comfort



Tilt steering column

Advanced Ergonomics

A comfortable operator is a productive operator – and the E3000-EC4000 Series gives your operators the tools they need to do their jobs efficiently.



Spacious Floor Area

A generous amount of foot room is provided for prolonged operator comfort during a shift. The treaded surface of the heavy rubber floor mat helps provide optimum traction when the operator enters or exits the compartment.



Open floor design for enhanced control

Premium Display Panel

The easy-to-read LCD central vehicle monitoring system includes battery state-of-charge, hour meter and travel speed indicators. Maintenance reminders are provided in the LED section of the display, allowing for operator awareness and maximized uptime for your lift truck.



Optimized display panel raises awareness

Added Operator Protection

Designed to help prevent unintended movement of the lift truck, the Presence Detection System (PDS) disables all hydraulic functions and returns the drive to neutral when the operator is not in the normal operating position. Audible and visual alarms are also included to provide additional information for the operator.



Added operator protection

RELIABILITY

Powerful Technology

The E3000-EC4000 Series is built to maximize uptime. From the low-maintenance components to the high-efficiency systems, these lift trucks will spend their time on what matters most – moving product.



Optimized Visibility

With a wider view between the mast channels than many competing models, the E3000-EC4000 lift trucks are designed to provide increased visibility to the forks, load and surrounding area.



Increased visibility

Effortless Serviceability

With extended service intervals, display-based indicators and reminders, and easy access to service components, you can count on maximizing uptime and lowering maintenance costs with your Cat lift truck.



Minimized service time



More Power, Less Energy

Reliable, energy-saving AC power delivers increased travel speeds in comparison with earlier DC-powered models. These AC trucks also deliver smooth, powerful operation with lower noise levels.

Efficient Performance

This truck offers both improved efficiency through the design of the AC control system and optimal energy recovery through the regenerative braking system. To give even more control, torque and speed are controlled separately, helping to ensure smooth driving on uneven surfaces or ramps.



Efficient AC power



Regenerative braking system



Solutions for every application

CUSTOMER SERVICE

Delivering Real Material Handling Solutions

A Cat lift truck purchase connects you to a variety of material handling solutions, including world-class service and support from the best dealer network in the industry.

Cat Lift Trucks also offers the most comprehensive support programs in the industry. Highly-skilled service technicians, diverse parts inventory and an outstanding selection of service options, all help to reduce your total cost of ownership and keep your lift trucks performing at their best.



Dealers You Can Depend On

With hundreds of dealer locations throughout North and South America, Cat lift truck dealers provide more than lift trucks. From flexible financing options, to parts, service and product support, our dealers are unsurpassed.



Professionals you can depend on

Standing Behind Our Products

We deliver peace of mind by helping your trucks stay on the job, day after day. Every new Cat lift truck is covered by a 1-year/2,000 hours warranty that includes parts and labor, as well as components and systems. With our standard 2-year/4,000 hours extended powertrain warranty, you'll have the confidence that only comes from owning a Cat lift truck.



Keeping you covered



Parts Fast Or Parts Free*

The Parts Fast Or Parts Free Guarantee ensures next-business-day delivery of all Cat lift truck parts, or they're free, including freight. If your part doesn't come in by the next business day, we pay for it.

Genuine OEM Parts

When you buy from your local dealer, you can be assured that your OEM part is manufactured to meet original equipment criteria. Additionally, all Cat lift truck OEM parts come with a six-month, unlimited-hours warranty.

Flexible Financing Options*

Financing your next Cat lift truck is easy with our wide range of flexible leasing and purchasing options. Whether you want to finance or lease, your local Cat lift truck dealer can help customize a package tailored to your specific needs.



Parts when you need them



Genuine Cat Lift Truck OEM parts



Custom financing packages

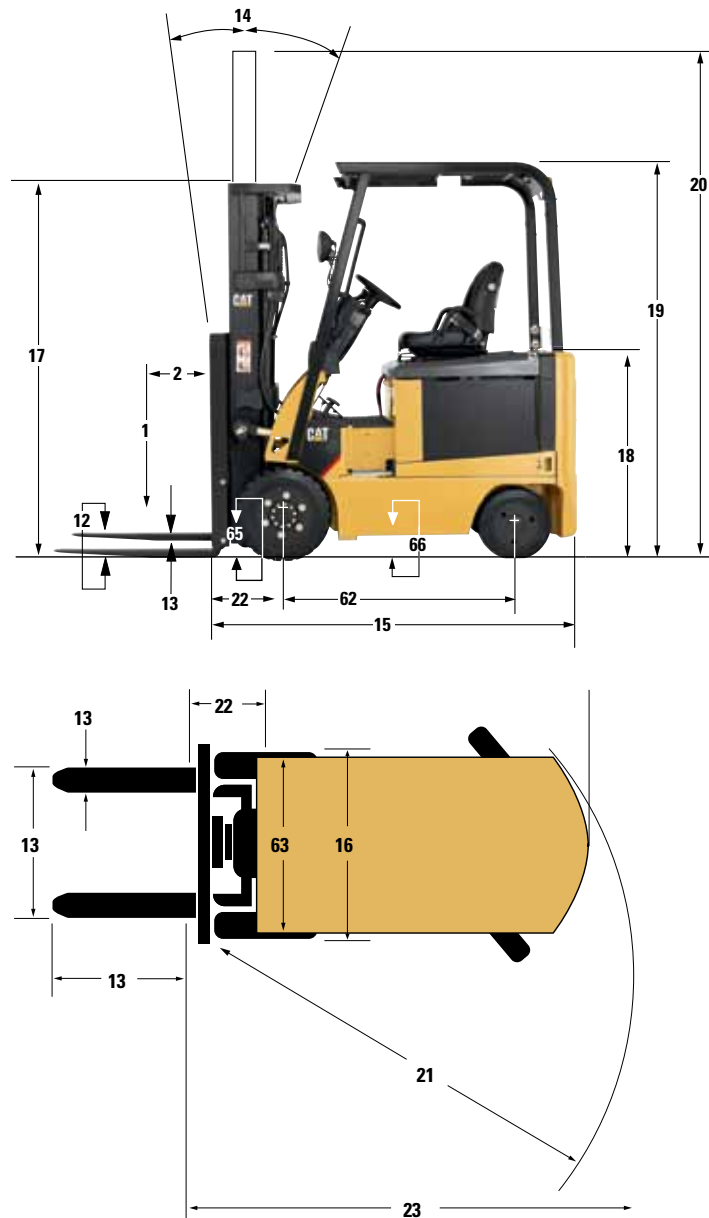
* Programs may be subject to change without notice and may vary by region. Please ask your local Cat lift truck dealer for complete terms and conditions.

Specifications

Characteristics					E3000		E3500		EC4000		
1	Capacity	at rated load center	lb	kg	3,000	1,500	3,500	1,800	4,000	1,800	
2		at load center – distance	in	mm	24.0	500	24.0	500	24.0	600	
3	Power	electric, diesel, gasoline, LP gas			electric		electric		electric		
4	Tire type	cushion, pneumatic			cushion		cushion		cushion		
5	Wheels (x=driven)	number front / rear			2x /2		2x /2		2x /2		
Dimensions					E3000		E3500		EC4000		
11	Lift with standard two-stage mast	maximum fork height	in	mm	130	3,320	130	3,320	130	3,320	
12		free fork height	in	mm	4.5	115	4.5	115	4.5	115	
13	Forks	length x width x thickness	in	mm	42.0x3.9x1.4	1,070x100x35.0	4.2x3.9x1.4	1,070x100x35.0	42.0x3.9x1.4	1,070x100x35.0	
	Fork spacing	out-to out minimum / maximum	in	mm	9.4/32.0	240/818	9.4/32.0	240/818	9.4/32.0	240/818	
14	Tilt	forward / backward	deg		5.0°/6.0°		5.0°/6.0°		5.0°/6.0°		
15	Overall Dimensions	length to fork face	in	mm	78.0	1,980	78.0	1,980	81.0	2,055	
16		width	with standard tires	in	mm	37.0	945	37.0	945	39.0	995
			with wide stance drive wheels	in	mm	39.0	996	39.0	996	41.0	1,045
17		height	with lowered mast	in	mm	83.0	2,105	83.0	2,105	83.0	2,105
18			seat height to SIP	in	mm	48.0	1,220	48.0	1,220	48.0	1,220
19			to top of overhead guard	in	mm	86.0	2,180	86.0	2,180	86.0	2,180
20			with extended mast	in	mm	180	4,570	180	4,570	180	4,570
21	Minimum outside turning radius		in	mm	70.5	1,790	70.5	1,790	72.5	1,840	
22	Load moment constant		in	mm	14.8	376	14.8	376	14.8	376	
23	Minimum aisle – 90° stack – zero clearance without load		in	mm	85.0	2,165	85.0	2,165	87.5	2,220	
Performance					E3000		E3500		EC4000		
40	Speeds	travel loaded / empty	36V	mph	km/h	10.2/11.2	16.4/18.0	9.3/10.8	14.9/17.3	9.3/10.8	14.9/17.3
			48V	mph	km/h	11.3/11.3	18.2/18.2	11.3/11.3	18.2/18.2	11.3/11.3	18.2/18.2
41		lift speed loaded / empty	36V	fpm	mm/s	75.0/106	0.38/0.54	71.30/106	0.36/0.54	67.0/108	0.34/0.55
			48V	fpm	mm/s	104/140	0.53/0.71	96.0/140	0.49/0.71	93.0/140	0.47/0.71
42		lowering speed loaded / empty	36V	fpm	mm/s	98.0/81.0	0.50/0.41	98.0/81.0	0.50/0.41	98.0/81.0	0.50/0.41
			48V	fpm	mm/s	98.0/81.0	0.50/0.41	98.0/81.0	0.50/0.41	98.0/81.0	0.50/0.41
43	Gradeability	loaded at 1 mph (1.6 km)	36V	%		24.0		21.0		21.0	
			48V	%		25.0		22.0		22.0	
		maximum empty	36V	%		23.0		19.0		N/A	
			48V	%		23.0		19.0		N/A	
Weight					E3000		E3500		EC4000		
50	Empty	with minimum weight battery		lb	kg	6,200	2,825	6,800	3,075	7,400	3,350
51	Axle load	with rated load	front	lb	kg	8,000	3,750	8,800	4,200	9,400	4,250
			rear	lb	kg	1,200	570	1,480	660	1,940	910
		without load	front	lb	kg	2,500	1,130	2,320	1,050	2,070	940
			rear	lb	kg	3,725	1,690	4,425	2,010	5,300	2,410
Chassis					E3000		E3500		EC4000		
60	Tire size	front, standard cushion tires		in	mm	18.0x6.0x12.2	457x152x308	18.0x6.0x12.2	457x152x308	18.0x7.0x12.2	457x178x308
		rear cushion tires		in	mm	14.0x4.5x8.0	356x114x203	14.0x4.5x8.0	356x114x203	14.0x4.5x8.0	356x114x203
62	Wheel base			in	mm	46.0	1,170	46.0	1,170	46.0	1,170
63	Tread width	front, standard cushion tires		in	mm	31.0	793	31.0	793	32.0	818
		rear cushion tires		in	mm	32.5	826	32.5	826	32.5	826
65	Ground clearance	at lowest point at mast		in	mm	3.0	75.0	3.0	75.0	3.0	75.0
66		at center of wheel base		in	mm	4.6	118	4.6	118	4.6	118
67	Brakes	service		type		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic	
68		parking		type		hand-operated, mechanical		hand-operated, mechanical		hand-operated, mechanical	
Powertrain					E3000		E3500		EC4000		
80	Battery	type			lead-acid		lead-acid		lead-acid		
81		maximum capacity at 6 hr. discharge rate	36V	Ah	kWh	880	31.7	880	31.7	880	31.7
82			48V	Ah	kWh	770	37.0	770	37.0	770	37.0
83		weight, minimum		lb	kg	1,650	750	1,650	750	1,650	750
84	Motors	traction output (60 min. rating) 36V/48V		HP	kW	8.3/9.2	6.2/6.8	8.3/9.2	6.2/6.8	8.3/9.2	6.2/6.8
86		lift output optional (20% rating) 36V/48V		HP	kW	9.9/15.7	7.4/11.7	9.9/15.7	7.4/11.7	9.9/15.7	7.4/11.7
87	Controls	drive		type		AC transistor		AC transistor		AC transistor	
88		hydraulic		type		AC transistor		AC transistor		AC transistor	
89	Relief Pressure		psi	bar	2,250	155	2,250	155	2,250	155	

NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. (MCFA). (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary (auxiliary) devices or modify your operating practices. Consult your dealer for further information.

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.



Safety Standards

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1.

UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only. Availability: Type E standard. Types ES and EE optional. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your Cat lift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements. Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.



Quality

Reliability

Customer Service

Experienced professionals at your local dealership and on our National Accounts Team can assist you with your lift truck purchase or lease. Your Cat lift truck dealer can provide options and additional visual and audible warning devices geared toward your specific requirements. Operator training programs are also available to boost productivity and to help reduce the potential for product damage and personal injury.



Electric Cushion Tire Lift Trucks

Capacity: 3,000-4,000 lb

1-800-CAT-LIFT | www.cat-lift.com | m.cat-lift.com

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Trucks