



EFFICIENT DESIGN

**3,000-4,000 LB. CAPACITY
ELECTRIC CUSHION TIRE LIFT TRUCKS**

ALL-OUT PRODUCTIVITY

Ready To Work For Your Business

Built to maximize uptime, the Cat® E3000-EC4000 electric cushion tire lift truck series offers the high level of productivity your business demands. From energy-saving AC power to high-efficiency systems, you'll get a boost to your bottom line along with total control and maximum performance.

ADVANTAGES TO YOU:

- 3,000-4,000 lb. lift capacities
- Electric power means zero hydrocarbons emitted and a cleaner work environment
- Three-motor system maximizes performance while lowering energy consumption
- Two-stage hydraulic system facilitates precise load handling and fast lift speeds
- 500-hour extended service intervals require less maintenance and offer greater uptime
- World-class service and support provided by your local Cat lift truck dealer

KEY APPLICATIONS:

- Chemical and allied products
- Electronics and electrical equipment
- Fabricated metal
- Food products
- Rubber and plastics
- Textile mill products
- Warehousing





EFFICIENCY AT ITS BEST

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Equipped with advanced 3-phase AC technology, the E3000-EC4000 series includes separate hydraulic, drive and steer motors that are designed to deliver the exact performance level needed for your specific application. Responsive acceleration and braking are also incorporated – allowing for controlled travel speed, dynamic acceleration and precise forklift positioning during operation.



- **Regenerative braking** – Activated when the operator applies the service brake, decelerates or changes direction, this feature helps return energy to the battery, allowing for extended run times and brake life.
- **Two-stage hydraulic system** – Facilitates fast lift speeds and precise load handling for smooth and seamless lift truck operation.
- **Customized performance** – Equipped with a MicroCommand modular electric control system, allowing for easy customization of performance and system analysis.
- **Save with electrics** – Electric lift trucks offer a cleaner working environment; and with no fuel costs, you'll see the savings add up – today and into the future.



FRONT-TO-BACK VISIBILITY

Narrow mast channels and a low-profile counterweight promote good visibility while traveling.



LARGE DRIVE MOTOR

The drive and hydraulic AC motors deliver maximum performance for greater material handling throughput and productivity.



STAY ALERT AND INFORMED

These essential features and indicators help support greater operator confidence and control.

- **LED Work Lights**

These work lights have a longer life, minimize glare and are cooler than traditional bulbs – all features that help lower your total cost of ownership while improving operator productivity.



- **Electronic Backup Alarm**

The alarm sounds anytime the lift truck is in reverse, alerting pedestrians and other operators working nearby.

- **Premium LCD Display Panel**

The easy-to-read LCD display includes seat belt warning, mast interlock and reduced travel speed indicators. Maintenance reminders also help keep your operator informed of routine service needs as they arise.

- **Motor Protection System**

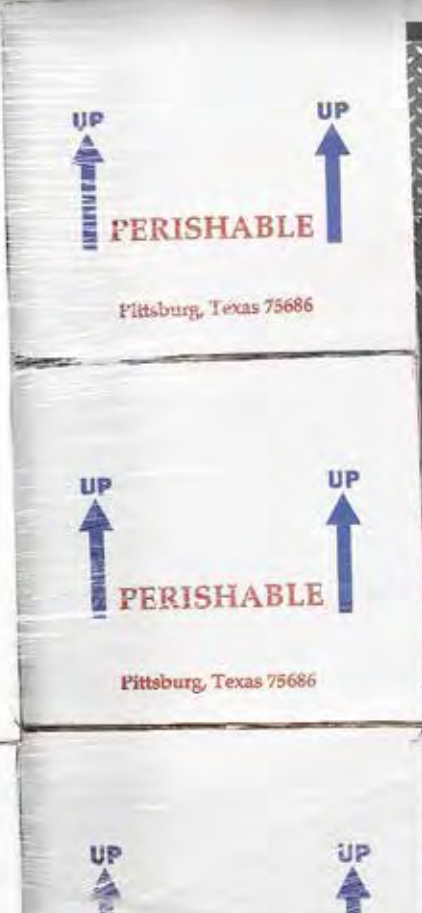
Your operator will immediately be notified when motor maintenance is required with this feature. Your lift truck will continue to run at peak performance – resulting in greater uptime and added peace of mind.



TOTAL AWARENESS

Helping You Get The Job Done

Shift after shift, the Cat E3000-EC4000 series gives your operators the confidence they need to get the job done. From awareness to reliability features, this series is designed with the right tools to keep your business running at peak performance.



PRESENCE DETECTION SYSTEM (PDS)

The Presence Detection System (PDS) activates whenever the operator does not fasten the seat belt during operation or leaves the normal operating position without activating the parking brake.

This integral computer-based feedback system uses both audible and visual indicators to alert the operator to potentially hazardous situations, while increasing operator awareness.

Key Features:

- When the operator is not in the normal operating position, the PDS electronically discontinues powered-travel movement and activation of load-handling functions.
- When an operator is in the normal operating position, but the seat belt is not buckled, an audible warning will sound and a visible indicator will appear, alerting the operator.

SERIOUS ERGONOMICS



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For A Comfortable And Productive Ride

The E3000-EC4000 series delivers the comfort and control your operators need. From premium ergonomics to a smooth ride, your operators will achieve maximum productivity – all day, every day.

TRAVEL WITH EASE

The rubber-mounted hydraulic control valve, steer column and hydraulic motor all work together to provide a smooth and efficient ride.

EASY ACCESS

Cowl-mounted hydraulic controls give your operator quick access to the hydraulic functions from the steering wheel – greatly increasing their comfort and productivity throughout the day.

FEATURES FOR INCREASED OPERATOR EFFICIENCY

- **Adjustable tilt steering column with quick release**
Your operator can adjust the steering column to the most comfortable position, while the quick release provides easy access to the battery.
- **Fingertip directional control**
Allows the operator to easily shift between forward and reverse without losing contact with the steering wheel.
- **Hydrostatic steering**
Minimizes the steering effort regardless of speed, providing better lift truck control and maneuverability.



ALL-DAY COMFORT

The full-suspension standard vinyl seat allows adjustment in numerous places to provide the operator with a comfortable ride.

- **Suspension adjustment** - optimizes seat cushioning performance based on the operator's weight.
- **Lumbar support adjustment** - changes the curvature of the seat back to help increase comfort of the operator's lower back.
- **Front and back adjustment** - front/back travel range of up to six inches for operators of various heights.



Local service and support



Genuine OEM parts



Custom financing packages

MORE CONFIDENCE





Factory warranty for added protection



Local Support You Can Count On

A Cat lift truck purchase connects you to a variety of material handling solutions, including world-class service and support from your local, trusted dealer. With factory-trained service technicians, a diverse parts inventory and a broad selection of service options, your local dealer can help you lower costs, enhance productivity and more efficiently manage your business.

FINANCING MADE SIMPLE

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 for your business.

WHEN EVERY PART COUNTS

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

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

STANDING BEHIND OUR PRODUCTS

We deliver peace of mind by helping your lift trucks stay on the job. 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.

* At dealer's location.

† 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.

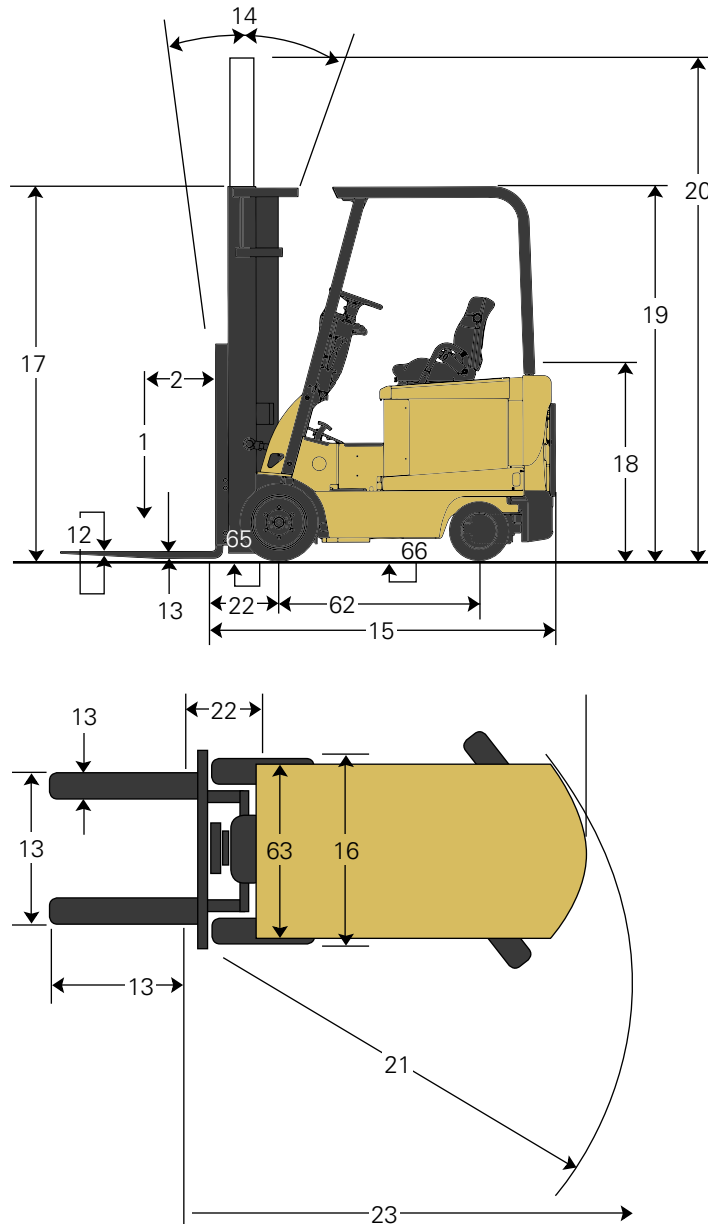
Specifications

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	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 – number front / rear (x=driven)			2x /2		2x /2		2x /2		
Dimensions				E3000		E3500		EC4000		
11	Maximum fork height ¹⁾	in	mm	130	3,320	130	3,320	130	3,320	
12	Free fork height ¹⁾	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	42x3.9x1.4	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	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	
	Width 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	Height to top of overhead guard	in	mm	86.0	2,180	86.0	2,180	86.0	2,180	
20	Height 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	Travel speed 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	71.3 / 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 gradeability – 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 / rear)	lb	kg	8,000 / 1,200	3,750 / 570	8,800 / 1,480	4,200 / 660	9,400 / 1,940	4,250 / 910	
	Axle load – without load (front / rear)	lb	kg	2,500 / 3,725	1,130 / 1,690	2,320 / 4,425	1,050 / 2,010	2,070 / 5,300	940 / 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	
	Tire size – 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	
	Tread width – 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	Ground clearance at center of wheel base	in	mm	4.6	118	4.6	118	4.6	118	
67	Service brakes	type		foot-operated, hydraulic		foot-operated, hydraulic		foot-operated, hydraulic		
68	Parking brakes	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 battery 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	Battery weight, minimum	lb	kg	1,650	750	1,650	750	1,650	750	
84	Traction motor 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 motor 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	Drive controls	type		AC transistor		AC transistor		AC transistor		
88	Hydraulic controls	type		AC transistor		AC transistor		AC transistor		
89	Relief pressure for attachments at auxiliary	psi	bar	2,250	155	2,250	155	2,250	155	

1) Lift with standard two-stage mast

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.



Your Cat lift truck dealer can provide additional options and features to specialize your lift truck for your unique application. Operator training and custom financing programs are also available to help find the right fit for your business.

Helping move businesses forward – that's how we're built.

BUILT FOR IT.™

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

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