



# POWER AND PERFORMANCE

**2,500 – 4,000 LB. CAPACITY  
ELECTRIC PNEUMATIC TIRE LIFT TRUCKS**



**CAT**

**WARNING**

Read the Safety and Health Manual for this machine before operating it. It contains important information about the machine's operation, maintenance, and safety. It also contains information about the machine's components and parts. It is your responsibility to read and understand the information in the manual. Failure to do so may result in injury or death.

Always use proper operating techniques. Do not exceed the rated capacity of the machine. Do not use the machine for any purpose other than that intended. Do not use the machine on uneven or slippery surfaces. Do not use the machine in wet or icy conditions. Do not use the machine in confined spaces. Do not use the machine near overhead power lines. Do not use the machine near other workers or equipment. Do not use the machine near children or pets. Do not use the machine near flammable or explosive materials. Do not use the machine near open flames or sparks. Do not use the machine near moving vehicles or machinery. Do not use the machine near deep water or other hazards. Do not use the machine near steep slopes or embankments. Do not use the machine near bridges or overpasses. Do not use the machine near power lines or other overhead structures. Do not use the machine near tall buildings or other structures. Do not use the machine near power lines or other overhead structures. Do not use the machine near tall buildings or other structures. Do not use the machine near power lines or other overhead structures. Do not use the machine near tall buildings or other structures.

**CAT**

# MAJOR POWER,<sup>3</sup> MAJOR EFFICIENCY

## Delivering Maximum Performance

Combining the latest in operator ergonomics and advanced AC control, the Cat® 2ET2500-2ET4000 series of three-wheel electric lift trucks provides maximum power and performance in a variety of applications.

### ADVANTAGES TO YOU:

- Convenient battery and extraction access options.
- Low energy consumption – runs up to two shifts on one battery charge.\*
- Sealed systems, including IP54-rated motors, provide added protection against dust, moisture and other debris to take on tough applications.

### KEY INDUSTRIES:

- Cold Storage
- Food Processing
- Grocery
- Warehousing
- Wholesale Trade



### INCREASED PRODUCTIVITY

The advanced AC motor provides high torque for greater productivity.

\* in most applications.

# FIRST-CLASS PERFORMANCE

## Increased Productivity, Less Maintenance

The 2ET2500 – 2ET4000 series is designed to maximize uptime. From low-maintenance components to high-efficiency systems, these lift trucks will get the job done.

### ENERGY EFFICIENT, 3-PHASE AC TECHNOLOGY

The innovative three-phase AC motors in these lift trucks are engineered for maximum efficiency and performance. Through advanced regenerative braking, the motors are designed to act as a generator during braking, effectively turning the truck's momentum into energy and feeding it back into the battery. This, combined with the truck's intelligent design and compact component layout, result in:

- **Longer run times** – up to two shifts on one battery charge in most applications
- **Greater torque** – even at lower speeds, with no torque gaps or speed loss
- **High throughput efficiency** – even when changing travel directions

### DYNAMIC PERFORMANCE

Advanced AC technology also ensures responsive acceleration and braking, allowing for:

- Precise positioning
- Dynamic acceleration
- Controlled travel speed on ramps
- Less brake component wear and lower maintenance costs

### RELIABLE MOTORS

Closed electric motors allow these lift trucks to operate in environments that previously only IC trucks could handle.

- **Fully-enclosed motor** – A motor with fewer parts means less maintenance. The motor's compact design and proximity to other related system components provides increased energy efficiency, helping you get more out of each shift.
- **Ingress protected** – Sealed systems provide added protection against dust, moisture and other debris to take on your toughest applications.
  - IP54-rated motors
  - IP56-rated connectors

### LESS MAINTENANCE, EASY TO SERVICE

With extended service intervals and sealed components, these lift trucks provide greater uptime to keep your business moving.

- 500-hour extended service intervals
- Display-based maintenance reminders
- Easy access to service components





## WORK SMARTER: **Inside and Out**

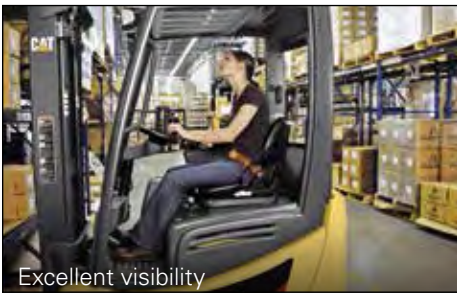
**These lift trucks are built to work in environments outside of traditional warehouse applications.**

- Optional closed cabins – For added protection in adverse weather conditions.
- Solid pneumatic tires – Evenly distributes the weight of the truck for a smoother ride indoors and out.

# EXPERIENCE COMFORT AND CONTROL

## A New Level Of Productivity

Operators can work long shifts comfortably due to the lift truck's ergonomic design. The 2ET2500-2ET4500 series gives your operators the necessary tools to efficiently perform their job, day after day.



Excellent visibility

### OPTIMIZED VISIBILITY: FROM FRONT TO BACK

The lift truck's smart design provides visibility to the work area. The open layout of the overhead guard, and slim mast profile, offer forward visibility when driving and lifting. Programmable forward work lights provide ample lighting for various work environments.



Standard fingertip controls

### TOTAL CONTROL

#### **Spacious operator compartment -**

a three-way adjustable full-suspension seat comfortably supports operators of any size, and the two-way adjustable steering column gives operators more leg room with lower steering effort.

#### **Standard fingertip hydraulic controls -**

featuring an integrated direction switch and horn for low-effort handling and precise control.



Improved display panel



**Anti-cinch seat belt**  
Effortless reverse travel.

**2-way adjustable steering column**  
More leg room with lower steering effort.

**3-way adjustable full-suspension seat**  
Comfort for operators of any size.

**2-way adjustable armrest**  
A one-touch adjustment puts control at your fingertips.

**Fingertip controls**  
Precision in the palm of your hand.

## **What Makes A Comfortable Ride**

Operators can work long shifts comfortably due to the lift truck's ergonomic design. Less fatigue means greater productivity throughout the shift.



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				2ET2500		2ETC3000	
1	Capacity at rated load center	lb	kg	2,510	1,300	3,100	1,600
2	Load center – distance	in	mm	24	500	24	500
3	Power – diesel, gasoline, LP gas, electric			electric		electric	
4	Tire type – cushion, solid pneumatic			solid pneumatic		solid pneumatic	
5	Wheels – number front / rear (x = driven)			2x/2		2x/2	
Dimensions				2ET2500		2ETC3000	
11	Maximum fork height*	in	mm	118	3,000	118	3,000
12	Free fork height*	in	mm	5.9	150	5.9	150
13	Fork dimensions – thickness x length x width	in	mm	1.4 x 3.9 x 45.3	35 x 100 x 1,150	1.6 x 3.9 x 45.3	40 x 100 x 1,150
	Fork spacing – out-to-out minimum / maximum	in	mm	12.3/36	312/914	12.3/36	312/914
14	Tilt – forward / backward	deg		7/7		7/7	
15	Length to fork face	in	mm	69.8	1,774	74.3	1,887
16	Standard width	in	mm	41.7	1,060	41.7	1,060
	Width with wide stance drive wheels	in	mm	n/a		n/a	
17	Height with lowered mast	in	mm	79	2,000	79	2,000
18	Seat height to SIP	in	mm	36.2	920	36.2	920
19	Height to top of overhead guard	in	mm	80.4	2,040	80.4	2,040
20	Height with extended mast	in	mm	166	3,560	166	3,560
21	Minimum outside turning radius	in	mm	56.7	1,440	60.9	1,548
22	Load moment constant	in	mm	13.2 <sup>1)</sup>	335	13.4 <sup>1)</sup>	340
23	Minimum aisle – 90° stack – must add load length and clearance	in	mm	69.9 <sup>1)</sup>	1,780	74.3 <sup>1)</sup>	1,890
Performance				2ET2500		2ETC3000	
24	Travel speed – loaded	mph	km/h	10	16	10	16
	Travel speed – empty	mph	km/h	10	16	10	16
25	Lift speed – loaded	fpm	m/s	94.5	0.48	96.5	0.49
	Lift speed – empty	fpm	m/s	118.1	0.60	118.1	0.60
26	Lowering speed – loaded	fpm	m/s	108.3	0.55	108.3	0.55
	Lowering speed – empty	fpm	m/s	108.3	0.55	108.3	0.55
28	Maximum gradeability – loaded	%		28		27	
	Maximum gradeability – empty	%		35		35	
Weight				2ET2500		2ETC3000	
29	Empty with minimum weight battery	lb	kg	5,947	2,698	6,520	2,957
30	Axle load with rated load – front	lb	kg	7,434	3,514	8,474	4,014
	Axle load with rated load – rear	lb	kg	1,023	484	1,146	543
	Axle load without load – front	lb	kg	2,885	1,309	3,067	1,391
	Axle load without load – rear	lb	kg	3,062	1,389	3,453	1,566
Chassis				2ET2500		2ETC3000	
31	Tire size – front, standard solid pneumatic tires	in		18 x 7-8		18 x 7-8	
	Tire size – rear solid pneumatic tires	in		140 / 55 -9		140 / 55 -9	
32	Wheelbase	in	mm	49.2	1,249	53.4	1,357
33	Tread width – front, standard solid pneumatic tires	in	mm	35.6	904	35.6	904
34	Tread width – rear solid pneumatic tires	in	mm	6.9	176	6.9	176
35	Ground clearance – at lowest point at mast	in	mm	3.1	80	3.1	80
36	Ground clearance – at center of wheelbase	in	mm	3.9	100	3.9	100
37	Service brakes	type		electric / mechanical		electric / mechanical	
38	Parking brakes	type		electromagnetic		electromagnetic	
Powertrain				2ET2500		2ETC3000	
39	Battery – type			lead-acid		lead-acid	
40	Battery dimensions (length x width x height)	in		20.55 x 32.68 x 24.69		24.80 x 32.68 x 24.69	
41	Battery – maximum capacity at 6 hour discharge rate	Ah	kWh	400	18.7	500	23.3
42	Battery weight, minimum	lb	kg	1,497	679	1,791	812
43	Motors – traction output (60 min. rating) x 2	HP	kW	6.0	4.5	6.0	4.5
44	Motors – lift output (15% rating)	HP	kW	15.4	11.5	15.4	11.5
45	Drive controls	type		Impulse / AC		Impulse / AC	
46	Hydraulic controls	type		AC		AC	
47	Relief pressure for attachments at auxiliary	psi	bar	2,900	200	2,900	200
48	Noise level – mean value at operator's ear	dB(A)		66		66	

\*With standard two-stage mast (ZT)

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.)

2ET3000		2ETC3500		2ET3500		2ET4000	
3,100	1,600	3,490	1,800	3,490	1,800	3,880	2,000
24	500	24	500	24	500	24	500
electric		electric		electric		electric	
solid pneumatic		solid pneumatic		solid pneumatic		solid pneumatic	
2x/2		2x/2		2x/2		2x/2	
2ET3000		2ETC3500		2ET3500		2ET4000	
118	3,000	118	3,000	118	3,000	118	3,000
5.9	150	5.9	150	5.9	150	5.9	150
1.6 x 3.9 x 45.3	40 x 150 x 1,150	1.6 x 3.9 x 45.3	40 x 100 x 1,150	1.6 x 3.9 x 45.3	40 x 100 x 1,150	1.6 x 3.9 x 45.3	40 x 100 x 1,150
12.3/36	312/914	12.3/36	312/914	12.3/36	312/914	12.3/36	312/914
7/7		7/7		7/7		7/7	
78.5	1,995	74.3	1,887	78.5	1,995	78.5	1,995
41.7	1,060	44.1	1,120	44.1	1,120	44.1	1,120
n/a		n/a		n/a		n/a	
79	2,000	79	2,000	79	2,000	79	2,000
36.2	920	36.2	920	36.2	920	36.2	920
80.4	2,040	80.4	2,040	80.4	2,040	80.4	2,040
166	3,560	166	3,587	166	3,587	166	3,587
65.2	1,655	60.9	1,548	65.2	1,655	65.2	1,655
13.4 <sup>1)</sup>	340	13.4 <sup>1)</sup>	340	13.4 <sup>1)</sup>	340	13.4 <sup>1)</sup>	340
78.6 <sup>1)</sup>	2,000	74.3 <sup>1)</sup>	1,890	78.6 <sup>1)</sup>	2,000	78.6 <sup>1)</sup>	2,000
2ET3000		2ETC3500		2ET3500		2ET4000	
10	16	10	16	10	16	10	16
10	16	10	16	10	16	10	16
96.5	0.49	86.6	0.44	86.4	0.44	78.7	0.40
118.1	0.60	108.3	0.55	108.3	0.55	108.3	0.55
108.3	0.55	108.3	0.55	108.3	0.55	108.3	0.55
108.3	0.55	108.3	0.55	108.3	0.55	108.3	0.55
27		26		25		24	
35		35		35		35	
2ET3000		2ETC3500		2ET3500		2ET4000	
6,627	3,006	7,084	3,213	6,957	3,156	7,343	3,331
8,480	4,015	9,306	4,412	9,191	4,360	9,814	4,661
1,247	590	1,268	601	1,256	596	1,409	669
3,243	1,471	3,066	1,391	3,298	1,496	3,259	1,478
3,384	1,535	4,018	1,822	3,659	1,660	4,084	1,853
2ET3000		2ETC3500		2ET3500		2ET4000	
18 x 7-8		200 / 50 - 10		200 / 50 - 10		200 / 50 - 10	
140 / 55 - 9		140 / 55 - 9		140 / 55 - 9		140 / 55 - 9	
57.7	1,465	53.4	1,357	57.7	1,465	57.7	1,465
35.6	904	36	914	36	914	36	914
6.9	176	6.9	176	6.9	176	6.9	176
3.1	80	3.1	80	3.1	80	3.1	80
3.9	100	3.9	100	3.9	100	3.9	100
electric / mechanical		electric / mechanical		electric / mechanical		electric / mechanical	
electromagnetic		electromagnetic		electromagnetic		electromagnetic	
2ET3000		2ETC3500		2ET3500		2ET4000	
lead-acid		lead-acid		lead-acid		lead-acid	
29.06 x 32.68 x 24.69		24.80 x 32.68 x 24.69		29.06 x 32.68 x 24.69		29.06 x 32.68 x 24.69	
600	278	500	23.3	600	278	600	278
2,147	974	1,791	812	2,147	974	2,147	974
6.0	4.5	6.0	4.5	6.0	4.5	6.0	4.5
15.4	11.5	15.4	11.5	15.4	11.5	15.4	11.5
Impulse / AC		Impulse / AC		Impulse / AC		Impulse / AC	
AC		AC		AC		AC	
2,900	200	2,900	200	2,900	200	2,900	200
66		66		66		66	

1) Add 1.0" (25mm) if truck is equipped with a triplex mast; Add an additional 0.9" (23mm) if equipped with an integrated sideshifter, or an additional 2.4" (60mm) if equipped with a hang-on sideshifter.

NOTE: Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your lift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.



# BATTERY MAINTENANCE

## Simple Battery Extraction Options:



**Battery Access**  
for maintenance (standard equipment)



**Pallet Jack Extraction**  
with SnapFit



**Roller Bed Extraction**



**Crane Extraction**  
with SnapFit



**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](http://www.cat-lift.com) | [m.cat-lift.com](http://m.cat-lift.com)**

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**CAT<sup>®</sup> Lift Trucks**