



MAXIMUM EFFICIENCY

**8,000 LB. CAPACITY
ELECTRIC CUSHION TIRE LIFT TRUCKS**



DELIVERING THE POWER YOU NEED.

Designed To Produce

The Cat® EC40N is driven by an advanced 100% AC motor and hydraulic system to balance performance with efficiency – moving your business in the right direction.

ADVANTAGES TO YOU:

- Built-in thermal sensors to protect major components for reliable performance
- Reliability features such as the low maintenance AC induction, brushless drive motor, self-diagnostic interactive display and high levels of service access to major componentry can help reduce downtime.
- Standard automotive-style controls and ergonomic hydraulic controls put high levels of control at the fingertips of the operator
- Compact chassis and easy steering allow for the maneuverability that the market demands in tight spaces
- Industry-leading 500-hour service intervals
- World class service and support from your experienced Cat lift truck dealer

KEY INDUSTRIES:

- Food products
- Transportation
- Chemical and allied products
- Rubber and plastics
- Metal products
- Electronic and electric products
- Textiles
- Rental options for seasonal demands



EXCEPTIONAL RUN TIMES

AC drive technology combined with the operator's ability to choose from four different preset performance modes allow for high levels of productivity.

- Balance efficiency and performance as the application or operator experience necessitates.
- High performance setting allows for highest levels of acceleration, travel speed and hydraulic performance.
- Regenerative technology reclaims power from a number of different truck activities including switchback, foot brake, controlled rollback and lifting/lowering in order to recirculate power back to the battery for longer runtimes.



48V LITHIUM-ION BATTERIES

Smart power solutions designed to communicate directly with the truck for increased efficiency and results. Maintenance free which reduces total cost of ownership and downtime from traditional lead-acid batteries.

- Li-Ion batteries are covered by a 6-year, 3,600 cycles with 75% residual capacity guarantee

Benefits of Moving to Lithium-Ion Technology:

- Fast charging throughout the course of the shift during breaks allows the truck to stay charged when customers need it.

- Li-Ion Batteries are smart power solutions designed to communicate directly with the truck resulting in increased efficiency and output.
- The Li-Ion solution is completely maintenance free, which can help reduce overall cost of ownership and the downtime associated with maintaining and caring for traditional lead acid batteries.
- Battery life expectancy of up to 3,000 full cycles (vs. 900 to 1,200 cycles in lead-acid batteries).
- No gas is produced during charging and no acid is contained in the battery as compared with conventional lead-acid batteries

RESPONSIVE ACCELERATION AND BRAKING

Ergonomically positioned on the spacious operator compartment floorboard, the brake and accelerator pedal are designed for immediate and accurate response as needed for the application.

- Acceleration rate is directly determined and proportional to the force applied during operation, so the operator has confident control.
- The automotive-style parking brake is conveniently located, easy-to-use and in an integral part of the Operator Presence system, which disengages hydraulic and travel functions if the operator is not in the normal operating position or the parking brake is not activated when the seat is vacated.



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 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 trucks OEM parts come with a six-month, unlimited-hours warranty.

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.

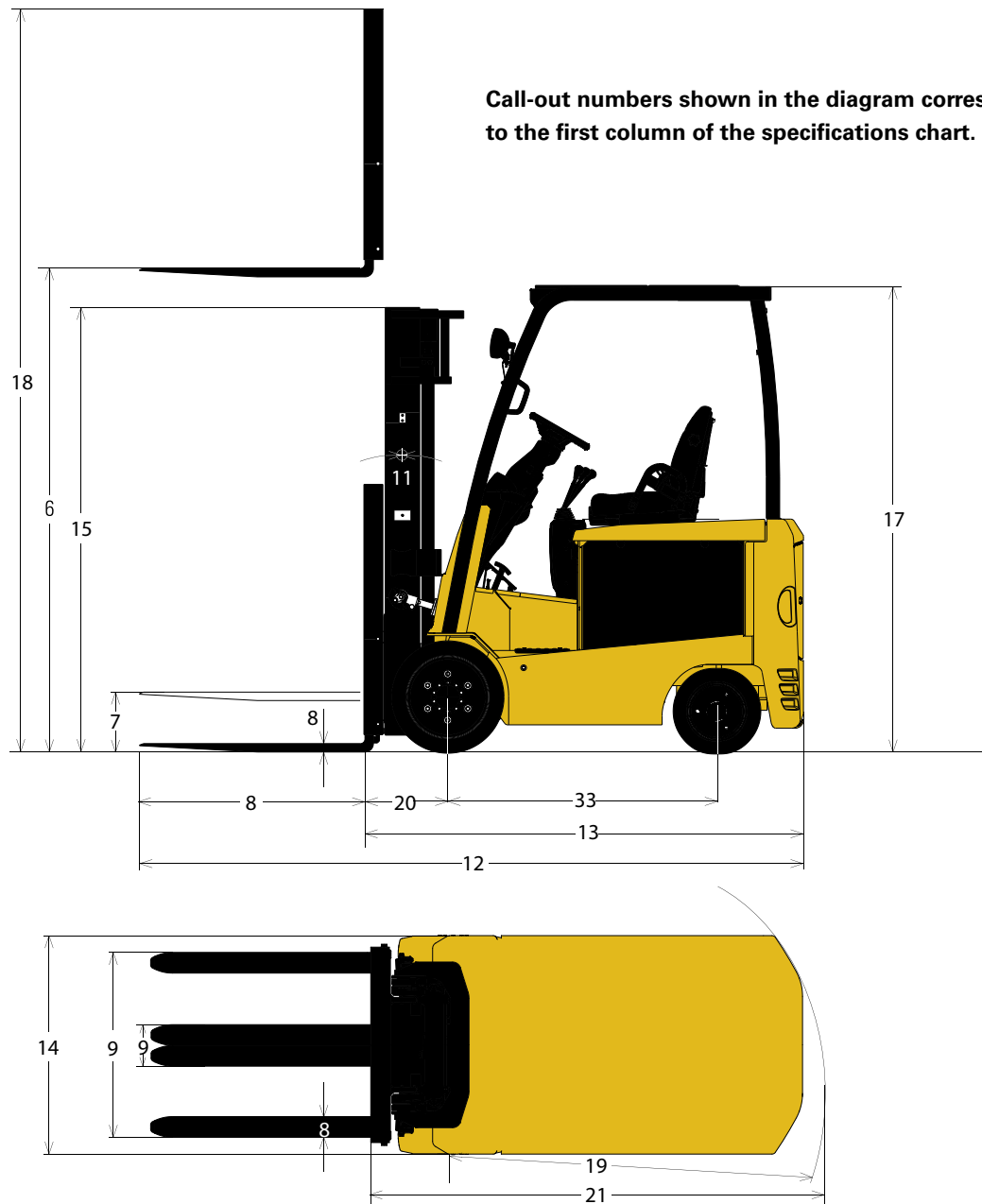
† Programs may be subject to change without notice and may vary by region.
Please ask your local Cat lift truck dealer for complete terms and conditions.

Specifications

Characteristics				EC40N	
1	Capacity at rated load center	lb	kg	8,000	3,500
2	Capacity at load center - distance	in	mm	24	600
3	Power voltage	V		Electric	
4	Tire type, drive / steer			Cushion	
5	Wheels (x=driven)			2x / 2	
Dimensions				EC40N	
6	Maximum fork height	in	mm	138	3,500
7	Free lift	in	mm	10.6	270
8	Fork dimensions - thickness x length x width	in	mm	2.0 x 42.1 x 5.0	50 x 1070 x 125
9	Fork spacing - out-to-out minimum / maximum	in	mm	11.0 / 38.8	280 / 985
10	Fork carriage to DIN 15 173 a/b/no	in	mm	ITA class 3	
11	Tilt forward / backward	deg		5/10	
12	Overall length (with 42" forks)	in	mm	142.2	3,610
13	Length to fork face (includes fork thickness)	in	mm	100.2	2,545
14	Overall width with single drive tires	in	mm	43.3	1,100
15	Height to top of lowered mast	in	mm	93.3	2,370
16	SIP to bottom of OHG	in	mm	36.1	915
17	Height to top of overhead guard	in	mm	87.4	2,220
18	Height with mast raised	in	mm	187.2	4,755
19	Minimum outside turning radius	in	mm	88.4	2,245
20	Load distance, axle to fork face (load moment constant)	in	mm	17.9	455
21	Minimum aisle - 90 stack - zero clearance without load	in	mm	106.3	2,700
Performance				EC40N	
22	Travel speed, loaded / empty (36 volt)	mph	km/h	7.1(11.5)	9.0(14.5)
23	Travel speed, loaded / empty (48 volt)	mph	km/h	7.8(12.5)	9.0(14.5)
24	Lift speed, loaded / empty (36 volt)	fpm	m/s	43.3(220)	77.8(395)
25	Lift speed, loaded / empty (48 volt)	fpm	m/s	46.3(235)	84.7(430)
26	Lowering speed, loaded / empty	fpm	m/s	98.5(500)	97.5(495)
27	Gradeability maximum. Loaded / empty	%		16.5/16.5	
Weight				EC40N	
28	Empty with minimum weight battery	lb	kg	12,380	5,615
29	Axle load with rated load, front / rear	lb	kg	18,000 (8,165)	2,380 (1,080)
30	Axle load without load, front / rear	lb	kg	4,675 (2,120)	7,705 (3,495)
Chassis				EC40N	
31	Tire size - front (standard duals)	in		22 x 8 x 16	
32	Tire size - rear	in		16.25 x 6 x 11.25	
33	Wheelbase	in	mm	63	1,600
34	Track width - front (standard tires)	in	mm	35.2	895
35	Track width - rear	in	mm	35	890
36	Ground clearance at lowest point of mast	in	mm	3.1	80
37	Ground clearance at center of wheelbase	in	mm	3.5	90
38	Service brakes	type		Hydraulic / Electric	
39	Parking brakes	type		Pedal	
Electrical				EC40N	
40	Battery type			lead-acid / li-ion (optional)	
41	Battery capacity at 6 hr. discharge rate (36 volt)	Ah	kWh	1,400	50.4
42	Battery capacity at 6 hr. discharge rate (48 volt)	Ah	kWh	1,200	57.6
43	Battery weight, minimum	lb	kg	3,351	1,520
44	Battery weight, maximum	lb	kg	3,527	1,600
45	Battery compartment size, maximum	in	mm	39.06 x 34.12 x 22.81	990 x 865 x 575
46	Drive motor capacity (60 minute rating) 36v / 48v	HP	kW	12 / 16	9 / 12
47	Drive controls / hydraulic controls	type		Hydraulic	
48	Relief pressure for attachments	PSI	Mpa	1,845	12.7

* Maximum converted value to gradeability at maximum torque of the traction motor.

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 Logisnext Americas Inc. (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the most 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.



Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

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.

1-800-CAT-LIFT | www.logisnextamericas.com/cat

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