

Electric Pneumatic Tire Lift Trucks

Capacity: 5,000-6,500 lb



2EPC5000 - 2EP6500

The Ultimate Solution

The 2EPC5000 – 2EP6500 Series is built tough, delivering maximum performance in even the most challenging applications. Providing enhanced energy efficiency, exceptional performance levels and premium operator ergonomics, these lift trucks are designed for what matters most — getting 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.

Equipped with AC technology, the 2EPC5000 - 2EP6500 Series has the ability to outperform Internal Combustion (IC) products while still being able to last up to two shifts on a single battery charge in most applications.

Electric trucks produce almost zero emissions (HC, CO, NOx, PM). But don't forget the other vital benefits. Electric lift trucks reduce the consumption of and dependence on fossil fuels, have less potential for leaks in sensitive environments and are less susceptible to cost risks in fluctuating fossil fuel prices. Put the power to work for you.



Model	Power	Rated Capacity (lb)	Voltage
2EPC5000*	Electric	5,000	80
2EP5000	Electric	5,000	80
2EPC6000*	Electric	6,000	80
2EP6000	Electric	6,000	80
2EP6500	Electric	6,500	80

* Compact models

QUALITY



Comfortable Ride

Operators will experience an extremely comfortable ride on rough or uneven floors with the combination of solid pneumatic tires, full-suspension seat and floating cabin.

In Control

The standard fingertip hydraulic controls are integrated into the armrest and offer low-effort, precise control. The travel direction switch and horn are integrated into the module for simultaneous, intuitive use. An optional joystick control is also available.



Enhanced operator comfort



Ergonomic fingertip controls

Improved Comfort For Longer Shifts

Designed with premium ergonomic features, these lift trucks focus on comfort allowing operators to focus on the job at hand. Operators can be as productive in the eighth hour of the shift as they are in the first with the 2EPC5000 – 2EP6500 Series.



Industry-Leading Energy Efficiency

Not all AC technology is alike. The 2EPC5000 - 2EP6500 Series uses multiple energy saving techniques that allow the truck to run up to two shifts on one battery charge in most applications. The benefit is increased uptime, hour after hour.

Unmatched Performance

The 2EPC5000 - 2EP6500 Series boasts powerful 3-phase AC motors, providing outstanding acceleration and top speed capabilities. These extremely quiet motors provide precise performance at all power levels. This lift truck also excels on ramps and grades making a smooth transition from indoors to outdoors.



Increased productivity



Increased power and versatility

RELIABILITY

Power Redefined

These durable 80-Volt electric pneumatic tire lift trucks can deliver performance similar to (or better than) an IC lift truck with all of the benefits of an electric lift truck, including an emission level reduction to almost zero and a reduction in overall maintenance costs.



Rugged Enough For Even Harsh Applications

With excellent performance levels, sealed components and extremely comfortable solid pneumatic tires, the 2EPC5000 - 2EP6500 Series of lift trucks excels in industries where IC lift trucks were previously the only option. Without a radiator to be clogged in dusty or fibrous applications and with sealed components capable of working well in extreme temperatures or high moisture environments, these lift trucks have an advantage over IC lift trucks in industries such as paper, cotton, tile, brick and freezers.



Built tough for rough applications



Protected From The Elements

Major electrical components are rated up to IP65, including connectors, controllers, motors, control handles and many more. The optional enclosed cabin will also provide a comfortable environment for operators – even in wet, cold or extreme conditions.

Regenerative Braking

Short shuttle applications are tough on the brake system of IC lift trucks. An inherent benefit of AC electric trucks is the ability for the motor to absorb much of the braking effort. In addition, these lift trucks have wet-disc brakes, improving the wear life over a more traditional braking system (such as drum brakes).

Effortless Maintenance

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



Sealed components for additional protection



Advanced AC technology



Service time is minimized

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

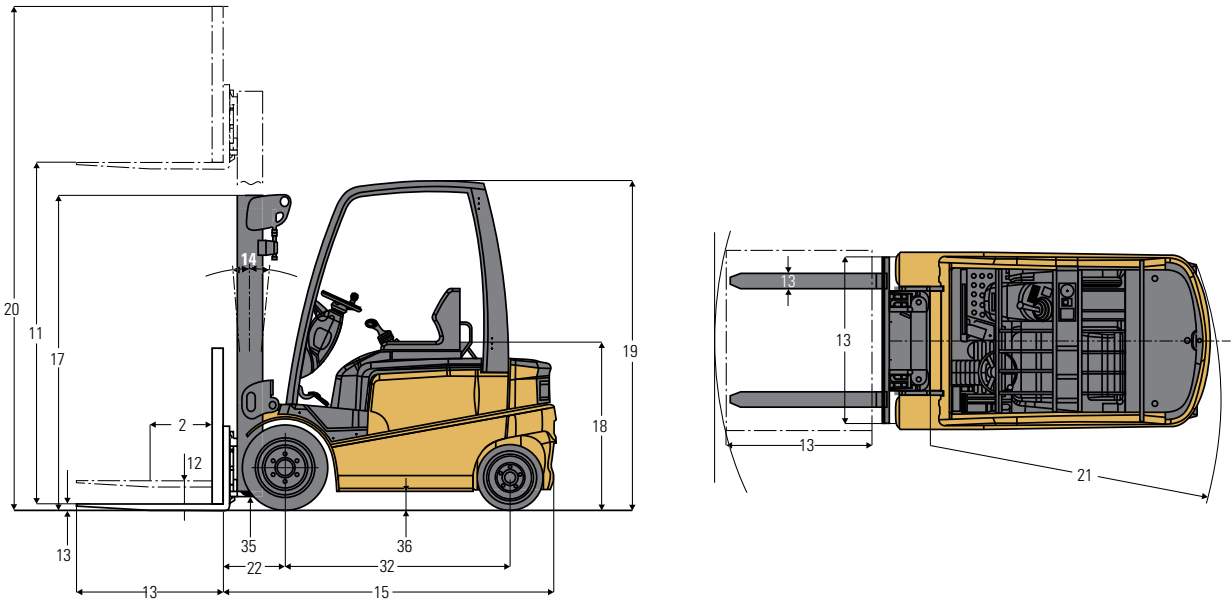
Characteristics				2EPC5000				2EP5000		2EPC6000		2EP6000		
1	Capacity	at rated load center		lb	kg	4,928	2,500	4,928	2,500	5,917	3,000	5,917	3,000	
2		at load center – distance		in	mm	24	500	24	500	24	500	24	500	
3	Power	diesel, gasoline, LP gas, electric				electric		electric		electric		electric		
4	Tire type	cushion, solid pneumatic				solid pneumatic		solid pneumatic		solid pneumatic		solid pneumatic		
5	Wheels (x=driven)	number front / rear				2x / 2		2x / 2		2x / 2		2x / 2		
Dimensions				2EPC5000				2EP5000		2EPC6000		2EP6000		
11	Lift with standard two-stage mast	maximum fork height		in	mm	122	3,100	122	3,100	122	3,100	122	3,100	
12		free fork height		in	mm	5.9	150	5.9	150	5.9	150	5.9	150	
13	Forks	thickness x length x width		in	mm	1.6x4.7x43	40x120x1,100	1.6x4.7x43	40x120x1,100	1.8x4.9x43	45x125x1,100	1.8x4.9x43	45x125x1,100	
	Fork spacing	out-to-out minimum / maximum		in	mm	13.25 / 40.25	335 / 1,022	13.25 / 40.25	335 / 1,022	13.75 / 40.5	349 / 1,028	13.75 / 40.5	349 / 1,028	
14	Tilt	forward / backward		deg		6° / 8°		6° / 8°		6° / 8°		6° / 8°		
15	Overall dimensions	length to fork face		in	mm	90.4	2,295	96.1	2,440	90.6	2,300	96.3	2,445	
16		width	standard	in	mm	47.2	1,198	47.2	1,198	47.2	1,198	47.2	1,198	
			w/ wide stance drive wheels	in	mm	N/A		N/A		51.2	1,300	51.2	1,300	
17		height	with lowered mast		in	mm	88.2	2,240	88.2	2,240	88.2	2,240	88.2	2,240
18			seat height to SIP		in	mm	46.9	1,190	46.9	1,190	46.9	1,190	46.9	1,190
19			to top of overhead guard		in	mm	88.2	2,240	88.2	2,240	88.2	2,240	88.2	2,240
20			with extended mast		in	mm	170	4,320	170	4,320	174	4,430	174	4,430
21	Minimum outside turning radius			in	mm	78.7	2,000	84.7	2,150	78.7	2,000	84.7	2,150	
22	Load moment constant			in	mm	16.7	425	16.7	425	16.9	430	16.9	430	
23	Minimum aisle - 90° stack – zero clearance without load			in	mm	95.5	2,425	101.4	2,575	95.7	2,430	101.6	2,580	
Performance				2EPC5000				2EP5000		2EPC6000		2EP6000		
24	Speeds	travel speed	loaded	mph	km/h	10.0	16.0	10.0	16.0	10.0	16.0	10.0	16.0	
			empty	mph	km/h	10.6	17.0	10.6	17.0	10.6	17.0	10.6	17.0	
lift speed		loaded	fpm	m/s	84.7	0.43	84.7	0.43	78.7	0.40	78.7	0.40		
		empty	fpm	m/s	108.3	0.55	108.3	0.55	108.3	0.55	108.3	0.55		
26		lowering speed	loaded	fpm	m/s	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58	
			empty	fpm	m/s	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58	
27	Drawbar pull (max.)	60 min. rating	loaded	lb-f	N	809	3,600	787	3,500	1,012	4,500	1,012	4,500	
			empty	lb-f	N	899	4,000	877	3,900	1,124	5,000	1,124	5,000	
		5 min. rating	loaded	lb-f	N	2,810	12,500	2,810	12,500	3,147	14,000	3,147	14,000	
			empty	lb-f	N	2,923	13,000	2,923	13,000	3,260	14,500	3,260	14,500	
28	Gradeability	maximum	loaded	%		17		17		15		15		
		gradeability	empty	%		25		25		23		23		
Weight				2EPC5000				2EP5000		2EPC6000		2EP6000		
29	Empty	with minimum weight battery		lb	kg	10,472	4,750	10,311	4,677	11,530	5,230	11,303	5,127	
30	Axle load	with rated load	front	lb	kg	14,191	6,437	14,321	6,496	16,152	7,327	16,086	7,297	
			rear	lb	kg	1,793	813	1,502	681	1,992	903	1,831	830	
		without load	front	lb	kg	5,443	2,469	5,858	2,657	5,558	2,521	5,846	2,652	
			rear	lb	kg	5,029	2,281	4,453	2,020	5,950	2,699	5,457	2,475	
Chassis				2EPC5000				2EP5000		2EPC6000		2EP6000		
31	Tire size	front, standard solid pneumatic tires				225 / 75-10		225 / 75-10		250/60-12		250/60-12		
		rear solid pneumatic tires				180/70-8		180/70-8		200/50-10		180/70-8		
32	Wheelbase		in	mm	62.0	1,575	67.7	1,720	62.0	1,575	67.7	1,720		
33	Tread width	front, standard solid pneumatic tires		in	mm	39.0	990	39.0	990	37.4	950	37.4	950	
34		rear solid pneumatic tires		in	mm	37.0	940	37.0	940	37.0	940	37.0	940	
35	Ground clearance	at lowest point at mast		in	mm	4.7	120	4.7	120	4.7	120	4.7	120	
36		at center of wheelbase		in	mm	5.3	135	5.3	135	5.3	135	5.3	135	
37	Brakes	service		type		mechanical		mechanical		mechanical		mechanical		
38		parking		type		electric		electric		electric		electric		
Powertrain				2EPC5000				2EP5000		2EPC6000		2EP6000		
39	Battery	dimensions (length x width x height)		in	27.99x40.47x30.87		33.66x40.47x30.87		27.99x40.47x30.87		33.66x40.47x30.87			
40		maximum capacity at 6 hr. discharge rate		Ah	kWh	700	54.4	700	54.4	700	54.4	700	54.4	
41		weight, minimum / maximum		lb	kg	3,263 / 4,037	1,480 / 1,831	3,902 / 4,436	1,770 / 2,012	3,263 / 4,037	1,480 / 1,831	3,902 / 4,436	1,770 / 2,012	
42	Motors	traction output (60 min. rating)		HP	kW	16.1	12.0	16.1	12.0	16.1	12.0	16.1	12.0	
43		lift output (15% rating)		HP	kW	24.8	18.5	24.8	18.5	24.8	18.5	24.8	18.5	
44	Controls	drive		type		impulse / AC		impulse / AC		impulse / AC		impulse / AC		
45		hydraulic		type		AC		AC		AC		AC		
46	Flow rate for attachments		gpm	lpm	6.6	25	6.6	25	6.6	25	6.6	25		
47	Relief pressure	for attachments at auxiliary		psi	bar	2,900	200	2,900	200	2,900	200	2,900	200	
48	Noise level	mean value at operator's ear		dB(A)		70		70		70		70		

NOTE: Dimensions represent maximum battery size, not compartment size. 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 forklift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

2EP6500	
6,608	3,000
24	600
electric	
solid pneumatic	
2x / 2	
2EP6500	
122	3,100
5.9	150
2.0x4.9x45	50x125x1,150
13.75 / 40.5	349 / 1,028
6° / 8°	
96.5	2,450
51.2	1,300
N/A	
88.2	2,240
46.9	1,190
88.2	2,240
174	4,430
84.7	2,150
16.9	430
101.6	2,580
2EP6500	
10.0	16.0
10.6	170
78.7	0.40
108.3	0.55
114.2	0.58
114.2	0.58
1,012	4,500
1,124	5,000
3,147	14,000
3,260	14,500
15	
23	
2EP6500	
11,876	5,387
16,462	7,467
2,005	910
5,876	2,665
5,985	2,715
2EP6500	
315/45-12	
200/50-10	
67.7	1,720
39.4	1,000
37.0	940
4.7	120
5.3	135
mechanical	
electric	
2EP6500	
33.66x40.47x30.87	
700	54.4
3,902 / 4,436	1,770 / 2,012
16.1	12.0
24.8	18.5
impulse / AC	
AC	
6.6	25
2,900	200
70	

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

2EPC5000 - 2EP6500



Safety Standards

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

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.

Performance				2EPC5000		2EP5000		2EPC6000		2EP6000		2EP6500	
				High Performance		High Performance		High Performance		High Performance		High Performance	
Speeds	travel speed	loaded	mph km/h	11.8	19.0	11.8	19.0	11.8	19.0	11.8	19.0	11.8	19.0
		empty	mph km/h	12.4	20.0	12.4	20.0	12.4	20.0	12.4	20.0	12.4	20.0
	lift speed	loaded	fpm m/s	94.5	0.48	94.5	0.48	84.7	0.43	84.7	0.43	84.7	0.43
		empty	fpm m/s	118.1	0.60	118.1	0.60	118.1	0.60	118.1	0.60	118.1	0.60
	lowering speed	loaded	fpm m/s	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58
		empty	fpm m/s	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58	114.2	0.58
Drawbar pull (maximum)	60 min. rating	loaded	lb-f N	1,147	5,100	1,102	4,900	1,124	5,000	1,124	5,000	1,124	5,000
		empty		1,259	5,600	1,237	5,500	1,304	5,800	1,304	5,800	1,304	5,800
	5 min. rating	loaded		3,597	16,000	3,597	16,000	3,530	15,700	3,530	15,700	3,530	15,700
		empty	lb-f N	3,664	16,300	3,664	16,300	3,597	16,000	3,597	16,000	3,597	16,000
Gradeability	maximum gradeability	loaded	%	19		19		17		18		17	
		empty	%	27		27		25		26		25	
Motors	traction output (60 min. rating)		HP kW	20.1	15.0	20.1	15.0	20.1	15.0	20.1	15.0	20.1	15.0
	lift output (15% rating)		HP kW	29.5	22.0	29.5	22.0	29.5	22.0	29.5	22.0	29.5	22.0



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 Pneumatic Tire Lift Trucks

Capacity: 5,000-6,500 lb

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

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