CAT® Lift Trucks

17,500 – 33,000 LB CAPACITY DIESEL PNEUMATIC TIRE LIFT TRUCK

Quality | Reliability | Customer Service

MODEL NUMBER	RATED CAPACITY (LBS)	ENGINE DISPLACEMENT (LITERS) - DIESEL
P17500	17,500	7.5
P20000	20,000	7.5
P22000	22,000	7.5
P26500	26,500	7.5
P30000	30,000	7.5
P33000	33,000	7.5

At Cat Lift Trucks, we recognize that customers depend on their lift trucks to get the job done. That is why we are proud to introduce the new and exciting P17500-P33000 series of diesel pneumatic tire lift trucks. These rugged machines combine modern ergonomic styling with a test-proven design. The new operator compartment promotes effortless control of the lift truck. The turbocharged engine delivers exceptional performance for maximum productivity, while meeting strict 2007 EPA emissions requirements. Available in six different capacities, these trucks are ready to tackle the most demanding customer applications.

Specifically designed around the things that matter most: Quality, Reliability; and backed by the best Customer Service in the industry. These trucks are equipped with a tilting operator compartment, fingertip hydraulic control system, operator Presence Detection System, extended service intervals, and are backed by one of the most comprehensive customer support networks in the industry.

Everything You've Come To Expect.


CAT
CAT
CAT

Nobody Does It Better

The standard features on these lift trucks include several value-added premium features. Be sure to ask your Cat lift truck dealer about the many options available to customize your P17500-P33000 lift trucks:

Comfort And Convenience

- Quick and convenient daily service checks – No tools required
- Fingertip hydraulic control system
- Full suspension vinyl seat with operator restraint system
- Convenient 3 point entry and exit
- Anti-cinch seat belt
- Anti-slip rubber floor mat

Performance And Reliability

- Powerful 6M60-TL Mitsubishi diesel engine
- Optional Ground Speed Control
- Fuel efficient
- EPA compliant
- Enhanced transmission system
- Premium display panel including indicators for:
  - Parking brake/brake fluid level
  - Engine oil pressure
  - Seat belt warning
  - Alternator
  - Digital hour meter/Diagnostic codes
  - Parking brake
  - Transmission oil lamp
  - Neutral (transmission)
  - Coolant temperature level
  - Diesel fuel level
  - Mast interlock
  - Engine status light
  - Engine protection system

Construction And Quality

- Data exchange via advanced CAN-Bus system
- Operator Presence Detection System (PDS)
- Full tilt of operator compartment within 60 manual cranks
- Optional electric hydraulic lift system eliminates manual cranking of the operator compartment
- Assembled to ISO9001:2000 standards
- Viscous mounting of the operator compartment
- P17500-P33000 air-over hydraulic brakes standard
- Over-temperature protection (engine temperature, transmission oil temperature, engine oil pressure, engine coolant)
- High-strength mast and carriage designs
- Heavy-duty cast drive axle
- Isolating rubber mounts for engine, transmission, steer axle, hydraulic control valve, radiator, exhaust piping, and mast cylinders
- Insulated engine hood

Service And Support

- Truck fault history with fault codes storage
- Up to 500-hour service intervals
- Parts Fast or Parts Free Guarantee
- Free Loaner Service Guarantee
- Comprehensive customer support network

Easy Entry

Getting in and out of the lift truck is safe and easy with the convenient 3-point entry and exit features. Large traction plate steps reduce the possibility of slipping, and the conveniently located elongated grab handles aid the operator in safely entering and exiting the truck.

Spacious Compartment Layout

The operator compartment also features a contemporary design that offers a spacious pedal layout and ergonomically designed controls that are strategically positioned to help operators work comfortably and efficiently.

No Tools Required

The P17500-P33000 series is designed with operator convenience in mind. All daily service checks including transmission and hydraulic oil levels are performed quick and easy without the need for tools.

It's All About The Hydraulic Control System

This hydraulic control system has it all! A rugged design for those tough applications, and all the appropriate ergonomic features that empower the operator. With near effortless lever motion and precise material handling capability, operators will enjoy enhanced productivity and less fatigue at the end of a shift. The new fingertip hydraulic control is standard on all models.

Unmatched Comfort

Operator comfort is assured with a full-suspension vinyl seat. With features like fore-and-aft adjustment, weight sensitive adjustment and lumbar support adjustment, this seat is designed to offer maximum comfort for a broad range of operators.

Turbo-Charged, Fuel Injected Mitsubishi In-Line 6-Cylinder Diesel Engine

For performance, the P17500-P33000 relies on the proven 6M60-TL Mitsubishi diesel engine. This engine combines power with fuel efficiency. The durable 148 horsepower fuel injected turbo-charged in-line 6-cylinder engine provides the torque necessary to accomplish the most demanding applications at hand. Equipped with a common rail fuel delivery system assures even and high pressure fuel delivery to all 6-cylinders allowing for swift acceleration, low noise, and reliable performance.

Powerfully Productive And Remarkably Versatile

The optional Ground Speed Control allows for customization of the maximum travel speed to meet your specific application requirements without affecting the trucks overall performance. The benefits include reduced risk to pedestrian traffic, lower operating costs, enhanced engine wear protection, as well as reduced risk of damaging loads and trucks.

EPA Compliant

While designed to handle the most rugged work environment, each model meets or exceeds stringent Environmental Protection Agency (EPA) standards reducing carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxide (NOx) emissions.

Longer Uninterrupted Performance

The transmission has been modified to incorporate more friction plates allowing for longer uninterrupted performance.

Advanced Sound And Vibration Dampening Solutions

Operator comfort is directly impacted by noise and vibration levels of the truck; therefore, the operator compartment is viscously mounted to the chassis. This helps to significantly reduce the noise and vibration levels of the truck. Additional sound and vibration dampening aids include the use of insulation material and a quietly running cooling fan system.

Intelligent By Design

The incorporation of a CAN-Bus system allows for a seamless connection of the Vehicle Control Module (VCM) and Engine Control Module (ECM). This allows immediate exchange and accessibility to all data. Additional benefits include a significant reduction in wiring as well as increased functionality over conventional systems. The CAN-Bus system also delivers excellent reliability and full diagnosis capabilities, simplifying the servicing of the truck.

Low Effort Braking

Air-over-hydraulic brakes offer positive braking action with nominal foot pedal pressure. For those extreme applications where frequent braking is a necessity, oil cooled wet disc brakes are the better alternative and are offered as an option for all 17,500-33,000 lb models. These brakes enhance brake pad longevity while reducing braking efforts even further.

Peace Of Mind

In the event that the operator should leave the normal seated operating position, Cat Lift Trucks advanced operator Presence Detection System (PDS) helps protect operators, pedestrians and loads by temporarily disengaging both the drive functions and hydraulic functions of the truck. In addition, if the operator has not applied the parking brake, the parking brake alarm will sound. Once the operator returns to the normal seated operating position, a buzzer will sound reminding the operator to fasten their seat belt.

Quick Access

The development of an innovative operator module design allows for quick and convenient access to the hydraulics, transmission, cooling and other major truck components. The operator compartment tilts to the left side of the truck allowing service technician's easy access to all critical components.

Extensive Diagnostic Program

The premium display panel provides service technicians with quick access to the fault history folder. Fault codes are stored allowing for more efficient truck monitoring and troubleshooting.

Double The Service Interval

The series comes with service intervals up to 500 hours. Operating a truck eight hours a day with a conventional 250 hour service interval requires planned maintenance (PM) every six weeks. With the P-Series, service intervals are doubled—extending up to 12 weeks. This cuts downtime and planned maintenance.

The Industry's Most Comprehensive Support

To further help reduce total cost of ownership, your investment is protected with a Cat Lift Trucks one-year/unlimited-hours warranty and the industry's only freight-inclusive Parts Fast/Parts Free program. We also offer our Free Loaner Service Guarantee. As with all Cat lift trucks, the P17500-P33000 series is supported by a comprehensive package of professional dealer services and a regional parts distribution network.

Specifications

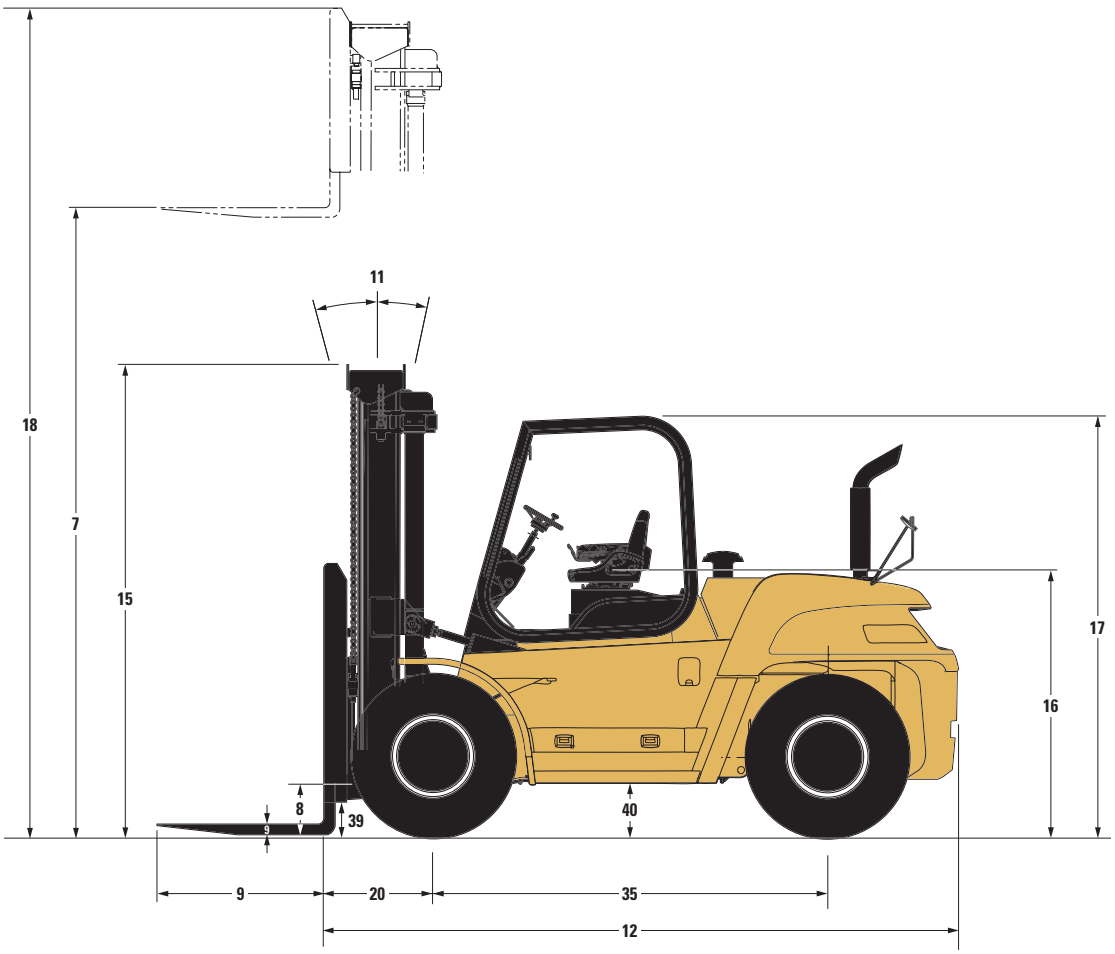
	CHARACTERISTICS					P17500	
1	Capacity	at rated load center		lb	*kg*	17,500	*8,000*
2		at load center - distance		in	*mm*	24	*600*
3	Power	diesel, gas, LP gas				diesel	
4	Tire type	cushion, pneumatic				pneumatic	
5	Wheels (x = driven)	number front / rear				x4 / 2	
	DIMENSIONS						
6	Lift	maximum fork height with rated load		in	*mm*	196.9	*5,000*
7	Lift with standard two-stage mast	maximum fork height		in	*mm*	132.4	*3,364*
8		free fork height		in	*mm*	8.7	*220*
9	Forks	thickness x length x width		in	*mm*	2.5 x 48 x 7.1	*64 x 1,220 x 180*
10	Fork spacing	out-to-out minimum / maximum		in	*mm*	17.7 / 65.7	*450 / 1,670*
11	Tilt	forward / backward				15 / 12	
12	Overall dimensions	length to fork face		in	*mm*	160.0	*4,065*
13		width	with standard dual drive tires	in	*mm*	94.1	*2,390*
14			with optional dual drive tires	in	*mm*		
15		height	with lowered mast	in	*mm*	115.2	*2,925*
16			seat height	in	*mm*	70.9	*1,800*
17			to top of overhead guard	in	*mm*	112.0	*2,845*
18			with extended mast	in	*mm*	181.9	*4,620*
19	Minimum outside turning radius			in	*mm*	150.8	*3,830*
20	Load moment constant			in	*mm*	26.6	*675*
21	Minimum aisle - 90° stack - zero clearance w / out load			in	*mm*	177.4	*4,505*
	PERFORMANCE						
22	Speeds	travel speed loaded / empty		mph	*km/h*	17.0 / 20.0	*28.0 / 32.0*
23		lift speed loaded / empty		fpm	*m/s*	108 / 112	*0.55 / 0.57*
24		lowering speed loaded / empty		fpm	*m/s*	108 / 98	*0.55 / 0.50*
25	Drawbar pull	loaded at 1 mph (1.6 km)		lb	*N*	19,243	*85,600*
26		loaded maximum		lb	*N*	23,335	*103,800*
27	Gradeability	loaded at 1 mph (1.6 km)		%		46	
28		maximum loaded / empty		%		63 / 31	
	WEIGHT						
29	Empty			lb	*kg*	25,882	*11,740*
30	Axle load	with rated load front / rear		lb	*kg*	39,110 / 4,409	*17,740 / 2,000*
31		without load front / rear		lb	*kg*	12,985 / 12,897	*5,890 / 5,850*
	CHASSIS						
32	Tire size	front, standard		in		9.00 x 20-12PR	
33		front, optional duals		in			
34		rear		in		9.00 x 20-12PR	
35	Wheelbase			in	*mm*	104.3	*2,650*
36	Tread width	front, standard dual drive tires		in	*mm*	71.7	*1,820*
37		front, optional dual drive tires		in	*mm*		
38		rear tires		in	*mm*	69.1	*1,755*
39	Ground clearance	at lowest point @ mast		in	*mm*	8.5	*215*
40		at center of wheelbase		in	*mm*	9.1	*230*
41	Brakes	service				air over hydraulic-foot	
42		parking				mechanical-hand	
	POWER TRAIN						
43	Engine	manufacture and model				Mitsubishi 6M60-TL	
44		continuous output S.A.E. gross		HP	*kW*	148	*110*
45				at r.p.m.		2,100	
46		maximum torque S.A.E gross		lb-ft	*N-m*	450	*610*
47				at r.p.m.		1,600	
48		cylinder / displacement		cu in	*cm3*	6 / 460	*6 / 7,545*
49	Transmission	type				Automatic Powershift	
50		number of speeds forward / reverse				3 / 3	
51	Relief pressure	for attachments		psi	*bar*	2,625	*181*
52	Noise lever	mean value at operator's ear Leq		dB(A)			

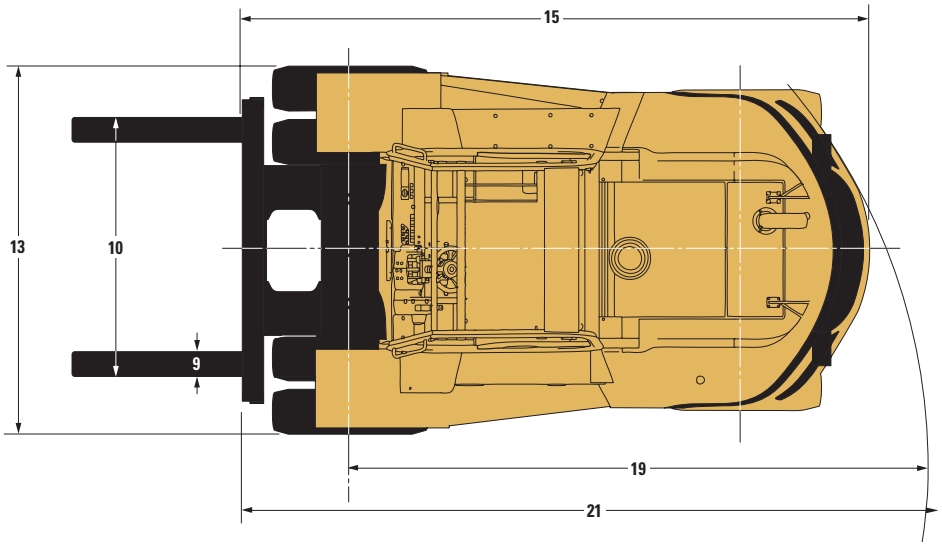
NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). (See ANSI/ITSDF B56.1 Part II 4.2.) 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.

P20000		P22000		P26500	
20,000	*9,000*	22,000	*10,000*	26,500	*12,000*
24	*600*	24	*600*	24	*600*
diesel		diesel		diesel	
pneumatic		pneumatic		pneumatic	
x4 / 2		x4 / 2		x4 / 2	
196.9	*5,000*	216.5	*5,500*	216.5	*5,500*
132.8	*3,372*	132.8	*3,372*	133.0	*3,379*
0.0	*0.0*	0.0	*0.0*	0.0	*0.0*
2.8 x 48 x 7.1	*72 x 1,220 x 180*	2.8 x 48 x 7.1	*72 x 1,220 x 180*	3.1 x 48 x 7.1	*79 x 1,220 x 180*
18.5 / 79.8	*470 / 2,026*	18.5 / 79.8	*470 / 2,026*	18.5 / 79.8	*470 / 2,026*
15 / 12		15 / 12		15 / 12	
166.9	*4,240*	168.9	*4,290*	172.2	*4,375*
94.1	*2,390*	99.0	*2,515*	99.0	*2,515*
122.8	*3,120*	127.4	*3,235*	127.4	*3,235*
70.9	*1,800*	73.8	*1,875*	73.8	*1,875*
112.0	*2,845*	114.8	*2,915*	114.8	*2,915*
188.4	*4,785*	192.3	*4,885*	192.3	*4,885*
154.7	*3,930*	157.1	*3,990*	159.4	*4,050*
29.7	*755*	29.7	*755*	30.1	*765*
184.4	*4,685*	186.8	*4,745*	189.6	*4,815*
17.0 / 19.0	*27.0 / 31.0*	15.0 / 18.0	*24.0 / 29.0*	14.0 / 18.0	*23.0 / 29.0*
87.0 / 91.0	*0.44 / 0.46*	91.0 / 94.0	*0.46 / 0.48*	91.0 / 94.0	*0.46 / 0.48*
87.0 / 79.0	*0.44 / 0.40*	91.0 / 98.0	*0.46 / 0.50*	91.0 / 98.0	*0.46 / 0.50*
19,063	*84,800*	19,445	*86,500*	19,266	*85,700*
21,311	*94,800*	23,874	*106,200*	23,717	*105,500*
39		38		33	
58 / 28		49 / 30		42 / 27	
29,784	*13,510*	32,628	*14,800*	35,406	*16,060*
44,732 / 4,894	*20,290 / 2,220*	49,141 / 5,534	*22,290 / 2,510*	55,534 / 6,327	*25,190 / 2,870*
14,738 / 15,047	*6,685 / 6,825*	16,424 / 16,204	*7,450 / 7,350*	16,182 / 19,224	*7,340 / 8,720*
9.00 x 20-14PR		10.00 x 20-14PR		10.00 x 20-16PR	
9.00 x 20-14PR		10.00 x 20-14PR		10.00 x 20-16PR	
104.3	*2,650*	110.2	*2,800*	110.2	*2,800*
71.7	*1,820*	74.8	*1,900*	74.8	*1,900*
69.1	*1,755*	77.4	*1,965*	77.4	*1,965*
8.1	*205*	8.7	*220*	8.7	*220*
9.1	*230*	10.8	*275*	10.8	*275*
air over hydraulic-foot		air over hydraulic-foot		air over hydraulic-foot	
mechanical-hand		mechanical-hand		mechanical-hand	
Mitsubishi 6M60-TL		Mitsubishi 6M60-TL		Mitsubishi 6M60-TL	
148	*110*	148	*110*	148	*110*
2,100		2,100		2,100	
450	*610*	450	*610*	450	*610*
1,600		1,600		1,600	
6 / 460	*6 / 7,545*	6 / 460	*6 / 7,545*	6 / 460	*6 / 7,545*
Automatic Powershift		Automatic Powershift		Automatic Powershift	
3 / 3		3 / 3		3 / 3	
2,625	*181*	2,987	*206*	2,987	*206*

	P30000		P33000	
	30,000	*13,500*	33,000	*15,000*
	24	*600*	24	*600*
	diesel		diesel	
	pneumatic		pneumatic	
	x4 / 2		x4 / 2	
	216.5	*5,500*	216.5	*5,500*
	133.4	*3,388*	133.4	*3,388*
	0.0	*0.0*	0.0	*0.0*
	3.5 x 48 x 7.1	*88 x 1,220 x 180*	3.5 x 48 x 7.1	*88 x 1,220 x 180*
	18.5 / 79.5	*470 / 2,020*	18.5 / 79.5	*470 / 2,020*
	15 / 12		15 / 12	
	178.1	*4,525*	190.2	*4,830*
	102.4	*2,600*	102.4	*2,600*
	137.0	*3,480*	137.0	*3,480*
	75.4	*1,915*	75.4	*1,915*
	116.5	*2,960*	116.5	*2,960*
	205.7	*5,225*	205.7	*5,225*
	163.4	*4,150*	178.9	*4,545*
	31.3	*795*	31.3	*795*
	194.7	*4,945*	210.2	*5,340*
	14.0 / 19.0	*23.0 / 30.0*	14.0 / 19.0	*23.0 / 30.0*
	75.0 / 79.0	*0.38 / 0.40*	75.0 / 79.0	*0.38 / 0.40*
	94.0 / 100	*0.48 / 0.51*	94.0 / 100	*0.48 / 0.51*
	17,714	*78,800*	17,625	*78,400*
	21,356	*95,000*	21,289	*94,700*
	27		25	
	33 / 26		31 / 27	
	39,022	*17,700*	39,793	*18,050*
	61,862 / 6,923	*28,060 / 3,140*	65,984 / 6,878	*29,930 / 3,120*
	17,306 / 21,716	*7,850 / 9,850*	18,056 / 21,738	*8,190 / 9,860*
	12.00 x 20-18PR		12.00 x 20-18PR	
	12.00 x 20-18PR		12.00 x 20-18PR	
	110.2	*2,800*	122.0	*3,100*
	75.0	*1,905*	75.0	*1,905*
	75.8	*1,925*	75.8	*1,925*
	10.2	*260*	10.2	*260*
	12.6	*320*	12.6	*320*
	air over hydraulic-foot		air over hydraulic-foot	
	mechanical-hand		mechanical-hand	
	Mitsubishi 6M60-TL		Mitsubishi 6M60-TL	
	148	*110*	148	*110*
	2,100		2,100	
	450	*610*	450	*610*
	1,600		1,600	
	6 / 460	*6 / 7,545*	6 / 460	*6 / 7,545*
	Automatic Powershift		Automatic Powershift	
	3 / 3		3 / 3	
	2,987	*206*	2,987	*206*

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





SAFETY STANDARDS

These trucks meet American National Standards (ANSI)/Industrial Truck Standards Development Foundation (ITSDF) B56.1, part III Safety Standards for powered industrial trucks.

Pending UL-Classification by Underwriters Laboratories, Inc., as to fire and electric shock hazard only.

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, part II.
- 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.

Expanding Your Capabilities

These trucks are specifically designed to deliver strong and dependable service in some of the toughest environments, including, but not limited to:

- Lumber and Wood Products
- Primary Metals
- Concrete, Brick and Block Products
- Stone, Clay and Glass Products
- Construction
- Stevedoring
- Building Materials
- Mining

Ask your Cat lift truck dealer to help you select the right truck and option package for your specific application requirements.

Ask For A Demonstration

The advantages of the 17,500–33,000 lb capacity diesel pneumatic tire lift truck become obvious with a demonstration. See strong proof that Cat lift trucks and your Cat lift truck dealer can offer you more productivity-driven benefits for a solid return on your equipment investment. Call for an appointment today.

Quality | Reliability | Customer Service

Everything
You've Come to Expect.

Unlimited Hours Warranty covers parts and labor for one year, regardless of service hours.

Parts Fast or Parts Free Guarantee ensures next-business-day availability (at dealer's location) of parts for all lift trucks or they are free, including freight.

Free Loaner Service Guarantee provides a lift truck until the repair is done if your lift truck is not repaired right the first time and within the quoted time.

Contact your Cat lift truck dealer for complete terms and conditions of these guarantees.

Cat Lift Trucks offers an extensive range of products and services. Your Cat lift truck dealer can provide options and additional visual and audible warning devices geared toward your specific applications and requirements. Operator training programs are also available to boost productivity and to help reduce the potential for product damage and personal injury.

Your Cat lift truck dealer can also provide a variety of financing and leasing options to suit the needs of your business.

CAT® Lift Trucks

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

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