

Diesel Pneumatic Tire Lift Trucks

Capacity: 17,500-36,000 lb



CAT® Lift
Trucks

Courtesy of Crane.Market

P17500-P36000 Series

Cat® lift trucks set the standard for the ultimate lifting experience. These internal combustion pneumatic tire lift trucks follow in that tradition, with a wide range of standard features and application options to meet your specific needs. Exceptional comfort, durable construction and industry-leading customer service make the P17500-P36000 Series the only choice for your material handling needs.

Function. This lift truck thrives in lumber, cement, pipe and heavy-duty applications where its strength can effectively be put to the test. The spacious operator compartment combined with powerful performance results in an operator who is comfortable and productive during long shifts.

Air Quality. These rugged trucks provide excellent horsepower and torque while meeting EPA and CARB requirements for carbon monoxide (CO), hydrocarbons (HC) and nitrogen oxide (NOx) emissions.

Added Protection. The dependable Presence Detection System (PDS) and excellent visibility help protect your operator and equipment.



Comfortable Operation

Operators of varying sizes can work long shifts comfortably in the standard full-suspension seat.

Model	Capacity (lbs)										
	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000
P17500	█										
P20000	█	█									
P22000	█	█	█								
P26500	█	█	█	█							
P30000	█	█	█	█	█						
P33000	█	█	█	█	█	█					
P36000	█	█	█	█	█	█	█				



Adjustable seating for increased comfort

Up for a Challenge

With load capacities of up to 36,000 pounds, these diesel pneumatic tire lift trucks offer unmatched performance and many features to tackle the most demanding applications.



Easy Lifting

Fingertip controls are a standard feature on the P17500 – P36000 series of lift trucks. This premium feature allows operators to lift the heaviest of loads with ease.



Control at your fingertips

Reduced Noise And Vibration

The operator module is securely mounted to the chassis, which helps to significantly reduce the noise and vibration levels of the truck.



Maximum comfort, reduced vibration

RELIABILITY

Legendary Performance

With a high-performing engine, enhanced transmission system and minimized downtime, these diesel pneumatic tire lift trucks will get the job done.



Turbo-charged Diesel Engine

This strong, EPA-compliant engine provides swift acceleration and low noise and vibration. The fuel injected 6-cylinder diesel engine combines power and efficiency to boost performance in your application.



Low noise, high performance

Total Control

The air-over-hydraulic brakes provide dependable braking with little effort. Oil-cooled wet disc brakes are standard on the P36000 model, providing additional control in extreme environments.



Low-effort braking



Optimized Visibility

Narrow mast channels and an open overhead guard help improve operator visibility to the load and work area. Standard work lights illuminate your surroundings.

Application Options

Optional attachments, foundry and brick protection, operator cabins and specialty tires can help customize the truck for your specific needs, helping to extend equipment service life and minimize product damage.

Serviceability

With 500 hour service intervals, display-based indicators and reminders and easy access to service components, you can count on maximizing uptime and lowering maintenance costs with your Cat lift truck.



Optimum visibility



Solutions for your application



Service time minimized

CUSTOMER SERVICE

Best Warranty In The Industry

We stand behind our products, giving you peace of mind by helping your trucks stay on the job, day after day. Every new Cat lift truck is covered by a 2-year/unlimited hours warranty that includes parts and labor regardless of service hours. All components and systems are covered. With our standard 3-year/6,000 hours extended powertrain warranty, you'll have the confidence that only comes from owning a Cat lift truck.



Free Loaner Service Guarantee*

If your lift truck is not repaired right the first time or within the quoted time, you will receive a free loaner truck while the repair is completed.

Parts Fast Or Parts Free*

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



Guaranteed to keep you moving



Parts for all brands of lift trucks



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.



Custom financing packages

Dealers You Can Depend On

With hundreds of dealer locations throughout North and South America, Cat lift truck dealers provide more than just lift trucks. From flexible financing options, parts, service and product support, our dealers are unsurpassed.



Professionals you can depend on

Free Planned Maintenance*

Proper maintenance of your truck helps assure top performance over the long haul. That's why every new Cat lift truck gets its first planned maintenance completed by your local Cat lift truck dealer at no cost to you.



Quality service at the right price

* 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.

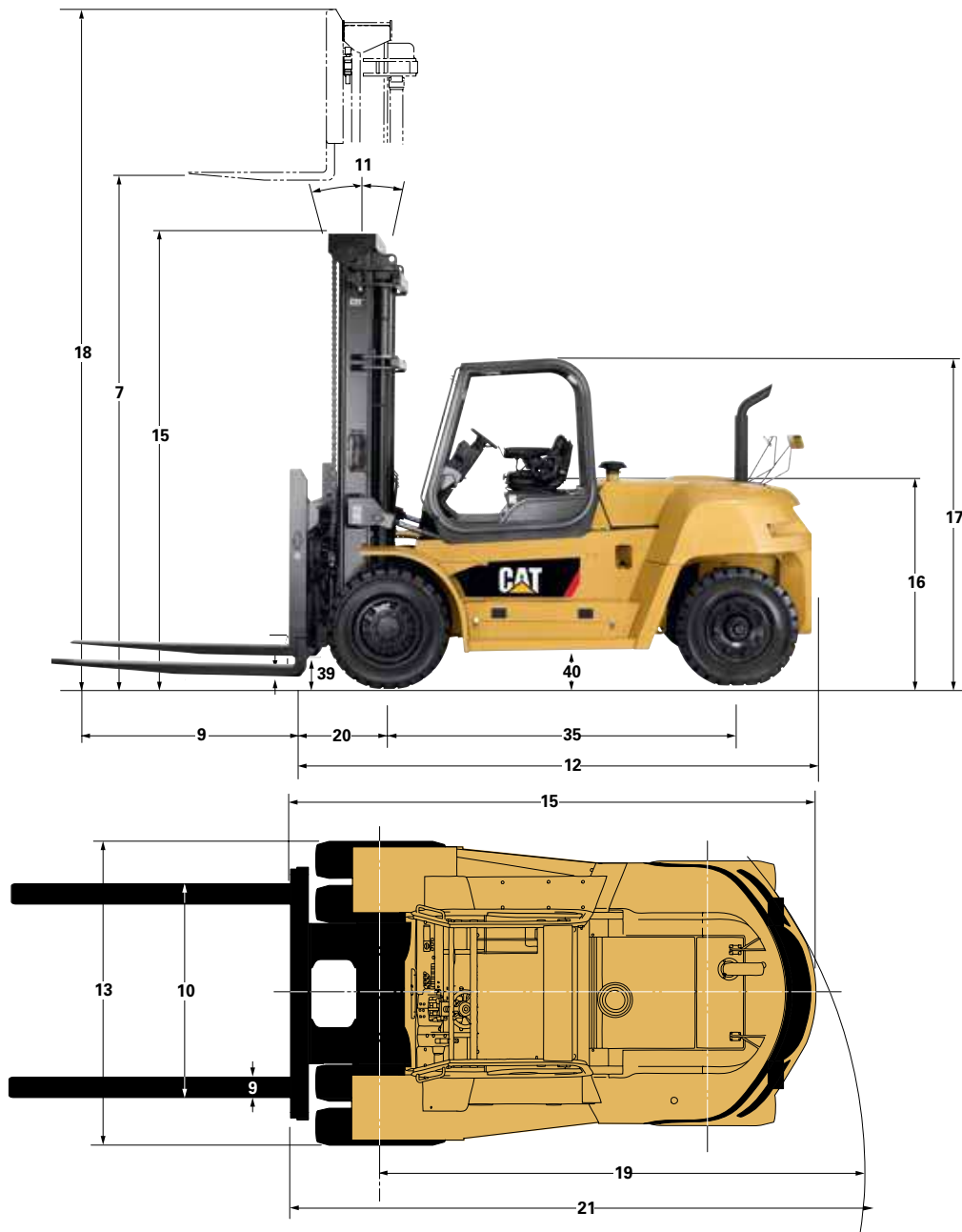
Specifications

Characteristics				P17500		P20000		P22000			
1	Capacity	at rated load center	lb	kg	17,500	8,000	20,000	9,000	22,000	10,000	
2		at load center - distance	in	mm	24	600	24	600	24	600	
3	Power	diesel, gas, LP gas				diesel		diesel		diesel	
4	Tire type	cushion, pneumatic				pneumatic		pneumatic		pneumatic	
5	Wheels (x = driven)	number front / rear				x4 / 2		x4 / 2		x4 / 2	
Dimensions				P17500		P20000		P22000			
7	Lift with standard two-stage mast	maximum fork height	in	mm	132.4	3,364	132.8	3,372	132.8	3,372	
8		free fork height	in	mm	8.8	224	2.8	72.0	2.8	72.0	
9	Forks	thickness x length x width	in	mm	2.5 x 48 x 71	64 x 1,220 x 180	2.8 x 48 x 71	72 x 1,220 x 180	2.8 x 48 x 71	72 x 1,220 x 180	
10	Fork spacing	out-to-out minimum / maximum	in	mm	17.7 / 65.7	450 / 1,670	18.5 / 79.8	470 / 2,026	18.5 / 79.8	470 / 2,026	
11	Tilt	forward / backward	deg		15° / 12°		15° / 12°		15° / 12°		
12	Overall dimensions	length to fork face	in	mm	160.0	4,065	166.9	4,240	168.9	4,290	
13		width	with standard dual drive tires	in	mm	94.1	2,390	94.1	2,390	99.0	2,515
15		height	with lowered mast	in	mm	115.2	2,925	122.8	3,120	127.4	3,235
16			seat height	in	mm	70.9	1,800	70.9	1,800	73.8	1,875
17			to top of overhead guard	in	mm	112.0	2,845	112.0	2,845	114.8	2,915
18	with extended mast	in	mm	181.9	4,620	188.4	4,785	192.3	4,885		
19	Minimum outside turning radius			in	mm	150.8	3,830	154.7	3,930	157.5	4,000
20	Load moment constant			in	mm	26.6	675	29.7	755	29.7	755
21	Minimum aisle - 90° stack - zero clearance w / out load			in	mm	177.4	4,505	184.4	4,685	187.2	4,755
Performance				P17500		P20000		P22000			
22	Speeds	travel speed loaded / empty	mph	km/h	17.0 / 20.0	28.0 / 32.0	17.0 / 19.0	27.0 / 31.0	15.0 / 18.0	24.0 / 29.0	
23		lift speed loaded / empty	fpm	m/s	108 / 112	0.55 / 0.57	87.0 / 91.0	0.44 / 0.46	91.0 / 94.0	0.46 / 0.48	
24		lowering speed loaded / empty	fpm	m/s	98 / 108	0.50 / 0.55	79.0 / 87.0	0.40 / 0.44	91.0 / 94.0	0.46 / 0.48	
25	Drawbar pull	loaded at 1 mph (1.6 km)	lb	N	19,243	85,600	19,063	84,800	19,445	86,500	
26		loaded maximum	lb	N	23,335	103,800	21,311	94,800	23,874	106,200	
27	Gradeability	loaded at 1 mph (1.6 km)			%		46		39		
28		maximum loaded / empty			%		63 / 31		58 / 28		
Weight				P17500		P20000		P22000			
29	Empty			lb	kg	26,676	12,100	30,402	13,790	34,613	15,700
30	Axle load	with rated load front / rear	lb	kg	39,638 / 4,538	18,035 / 2,065	45,452 / 4,950	20,552 / 2,238	50,795 / 5,864	23,040 / 2,660	
31		without load front / rear	lb	kg	13,997 / 12,679	6,349 / 5,751	15,774 / 14,628	7,155 / 6,635	18,078 / 16,535	8,200 / 7,500	
Chassis				P17500		P20000		P22000			
32	Tire size	front, standard dual drive tires	in		9.00x20-12PR		9.00x20-14PR		10.00x20-14PR		
34		rear	in		9.00x20-12PR		9.00x20-14PR		10.00x20-14PR		
35	Wheelbase			in	mm	104.3	2,650	104.3	2,650	110.2	2,800
36	Tread width	front, standard dual drive tires	in	mm	71.7	1,820	71.7	1,820	74.8	1,900	
38		rear tires	in	mm	69.1	1,755	69.1	1,755	77.4	1,965	
39	Ground clearance	at lowest point at mast	in	mm	8.5	215	8.1	205	8.7	220	
40		at center of wheelbase	in	mm	9.1	230	9.1	230	10.8	275	
41	Brakes	service	air over hydraulic-foot				air over hydraulic-foot		air over hydraulic-foot		
42		parking	mechanical-hand				mechanical-hand		mechanical-hand		
Powertrain				P17500		P20000		P22000			
43	Engine	manufacturer and model			Mitsubishi 6M60-TL		Mitsubishi 6M60-TL		Mitsubishi 6M60-TL		
44		continuous output S.A.E. gross	HP	kW	148	110	148	110	148	110	
45			at r.p.m.	2,100		2,100		2,100			
46		maximum torque S.A.E gross	lb-ft	N-m	450	610	450	610	450	610	
47			at r.p.m.	1,600		1,600		1,600			
48	cylinder / displacement	cu in	cm3	6 / 460	6 / 7,545	6 / 460	6 / 7,545	6 / 460	6 / 7,545		
49	Transmission	type			Automatic Powershift		Automatic Powershift		Automatic Powershift		
50		number of speeds forward / reverse			3 / 3		3 / 3		3 / 3		
51	Relief pressure	for attachments	psi	bar	2,625	181	2,625	181	2,987	206	

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.

P26500		P30000		P33000		P36000	
26,500	12,000	30,000	13,500	33,000	15,000	36,000	16,000
24	600	24	600	24	600	24	600
diesel		diesel		diesel		diesel	
pneumatic		pneumatic		pneumatic		pneumatic	
x4 / 2		x4 / 2		x4 / 2		x4 / 2	
P26500		P30000		P33000		P36000	
133.0	3,379	133.4	3,388	133.4	3,388	133.5	3,392
3.1	79.0	3.5	88.0	3.5	88.0	0.0	0.0
3.1 x 48 x 71	79 x 1,220 x 180	3.5 x 48 x 71	88 x 1,220 x 180	3.5 x 48 x 71	88 x 1,220 x 180	3.6 x 48 x 71	92 x 1,220 x 180
18.5 / 79.8	470 / 2,026	18.5 / 79.5	470 / 2,020	18.5 / 79.5	470 / 2,020	18.5 / 79.5	470 / 2,020
15° / 12°		15° / 12°		15° / 12°		15° / 12°	
172.2	4,375	178.1	4,525	190.2	4,830	198.6	5,045
99.0	2,515	102.4	2,600	102.4	2,600	103.7	2,635
127.4	3,235	137.0	3,480	137.0	3,480	144.9	3,680
73.8	1,875	75.4	1,915	75.4	1,915	75.4	1,915
114.8	2,915	116.5	2,960	116.5	2,960	116.5	2,960
192.3	4,885	205.7	5,225	205.7	5,225	209.8	5,330
159.8	4,060	163.8	4,160	179.1	4,550	189.6	4,815
30.1	765	31.3	795	31.3	795	31.7	805
190.0	4,825	195.1	4,965	210.4	5,345	221.3	5,620
P26500		P30000		P33000		P36000	
14.0 / 18.0	23.0 / 29.0	14.0 / 19.0	23.0 / 30.0	14.0 / 19.0	23.0 / 30.0	14.0 / 19.0	22.0 / 30.0
91.0 / 94.0	0.46 / 0.48	75.0 / 79.0	0.38 / 0.40	75.0 / 79.0	0.38 / 0.40	69.0 / 73.0	0.35 / 0.37
91.0 / 94.0	0.46 / 0.48	94.0 / 79.0	0.48 / 0.40	94.0 / 79.0	0.48 / 0.51	87.0 / 73.0	0.44 / 0.37
19,266	85,700	17,714	78,800	17,625	78,400	17,512	77,900
23,717	105,500	21,356	95,000	21,289	94,700	21,154	94,100
33		27		25		23	
42 / 27		33 / 26		31 / 27		29 / 29	
P26500		P30000		P33000		P36000	
37,412	16,970	41,293	18,730	40,411	18,330	42,395	19,230
57,276 / 6,592	25,980 / 2,990	63,978 / 7,077	29,020 / 3,210	66,579 / 6,832	30,228 / 3,102	71,276 / 7,119	32,031 / 3,199
17,946 / 19,467	8,140 / 8,830	19,445 / 21,848	8,820 / 9,910	19,499 / 20,912	8,845 / 9,485	21,304 / 21,091	9,577 / 9,653
P26500		P30000		P33000		P36000	
10.00x20-16PR		12.00x20-18PR		12.00x20-18PR		12.00x20-20PR	
10.00x20-16PR		12.00x20-18PR		12.00x20-18PR		12.00x20-20PR	
110.2	2,800	110.2	2,800	122.0	3,100	129.9	3,300
74.8	1,900	75.0	1,905	75.0	1,905	75.0	1,905
77.4	1,965	75.8	1,925	75.8	1,925	74.4	1,890
8.7	220	10.2	260	10.2	260	10.2	260
10.8	275	12.6	320	12.6	320	12.6	320
air over hydraulic-foot		air over hydraulic-foot		air over hydraulic-foot		oil cooled disc brake	
mechanical-hand		mechanical-hand		mechanical-hand		mechanical-hand	
P26500		P30000		P33000		P36000	
Mitsubishi 6M60-TL		Mitsubishi 6M60-TL		Mitsubishi 6M60-TL		Mitsubishi 6M60-TL	
148	110	148	110	148	110	148	110
2,100		2,100		2,100		2,100	
450	610	450	610	450	610	450	610
1,600		1,600		1,600		1,600	
6 / 460	6 / 7,545	6 / 460	6 / 7,545	6 / 460	6 / 7,545	6 / 460	6 / 7,545
Automatic Powershift		Automatic Powershift		Automatic Powershift		Automatic Powershift	
3 / 3		3 / 3		3 / 3		3 / 3	
2,987	206	2,987	206	2,987	206	2,987	206

Call-out numbers shown in 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; Type D (standard). Type DS available. 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.

OPTION PACKAGES

Enhance Your Experience

Your local Cat lift truck dealer can help you choose an option package that best suits your specific application and material handling requirements.



Application Awareness

- Air horn
- Rotating lights
- Mirrors
- Ground speed control

Foundry/Dust Protection Options

- Radiator coolant level warning kit
- Boot kits - 15° forward /12° back tilt cylinder
- Dust proof breather kit – front axle
- Elevated air intake – operator module mounted
- Air cleaner service indicator



Cabs

- Factory-installed cabs help protect the operator from falling objects as well as inclement weather

Lights

- 2 forward working lights
 - Operator module or cab mounted
- 2 rear working lights
 - Operator module or cab mounted
- 2 rear working lights
 - Rear deck mounted



Service Brake

- Oil-cooled disc brakes (standard on P36000)



Quality

Reliability

Customer Service

Experienced professionals at our dealerships 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.



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