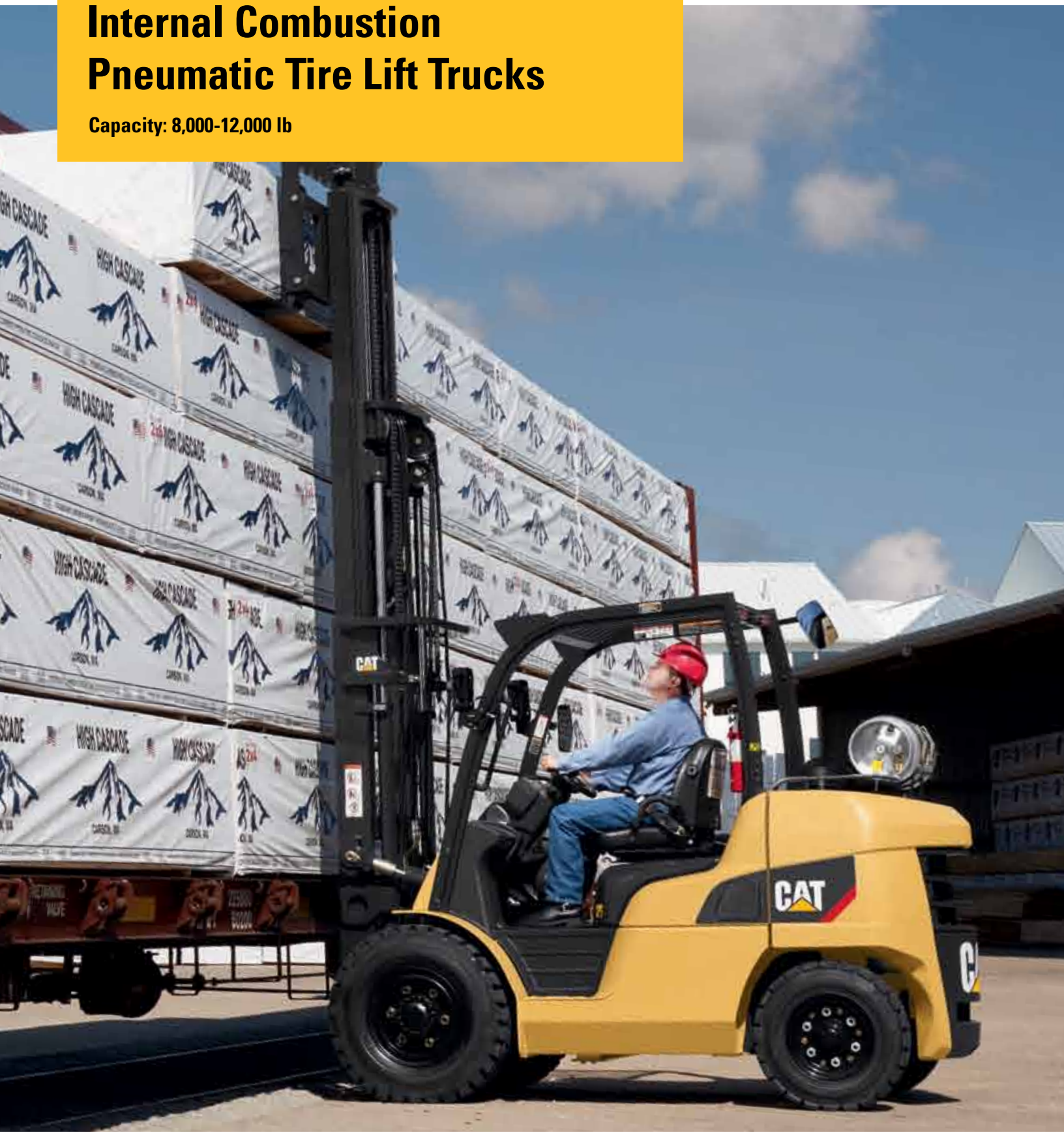
Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 8,000-12,000 lb



CAT® Lift Trucks

P8000-P12000/ PD8000-PD12000 Series

Cat® lift trucks set the standard for the ultimate lifting experience. Exceptional comfort, durable construction and industry-leading customer service make these trucks the only choice for your material handling needs. The new line of 8,000-12,000 lb. internal combustion pneumatic tire lift trucks from Cat Lift Trucks follows in that tradition, with a wide range of standard features and application options to meet your 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, alert 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.

Model	Capacity (lbs) 8,000	8,500	9,000	9,500	10,000	10,500	11,000	11,500	12,000
P8000	■								
PD8000	□								
P9000	■	■	■						
PD9000	□	□	□						
P10000	■	■	■	■	■				
PD10000	□	□	□	□	□				
P11000	■	■	■	■	■	■	■		
PD11000	□	□	□	□	□	□	□		
P12000	■	■	■	■	■	■	■	■	■
PD12000	□	□	□	□	□	□	□	□	□

Fuel Type: ■ Gas/LP □ Diesel

Comfortable Operation
Operators of varying sizes can work long shifts comfortably in the standard full-suspension seat. An optional swivel seat and rear grab handle with horn button is available for high-shuttle applications.

Adjustable seating for increased comfort

QUALITY

Up for a Challenge

The P8000-P12000/PD8000-PD12000 Series of lift trucks operate in rough conditions, while delivering a comfortable, ergonomic work environment for your operators.

Consider The Options

A wide variety of options are available to customize the truck for operator preference or premium comfort, including fingertip hydraulic controls, panel cabs for harsh environments and awareness enhancement packages.

Premium Display Panel

The standard premium LED/LCD display provides a number of productivity-enhancing tools to the operator. Features such as an operator passcode system and maintenance interval reminders help ensure that the truck is running at peak performance.

Control at your fingertips

Optimized display panel raises awareness

RELIABILITY

Legendary Performance

These rugged lift trucks can be counted on to carry the load in the toughest applications. From the purePOWER® engines to the durable masts, the P8000-P12000/PD8000-PD12000 Series is built to perform.

Environmentally-Friendly Engines
The TB45 and S6S purePOWER® engines work in the toughest conditions, while offering excellent fuel economy and low noise and vibration. A standard engine protection system (EPS) monitors performance and helps protect the system from damage.

Fuel efficiency, low emissions

Total Control
The standard two-speed forward, one-speed reverse transmission gives you the power and control you need to handle the toughest loads. The optional Productivity Package with ProShift™ provides additional protection against transmission wear.

Low-effort movement

Optimized Visibility
Narrow mast channels and open overhead guard helps improve operator visibility to the load and surroundings. Standard LED work lights illuminate the work area while providing significant maintenance savings over traditional halogen or incandescent lights.

Application Options
Options such as oil-cooled disc brakes, attachments, foundry and brick protection, and specialty tires can customize the truck for your specific needs, extending equipment service life and minimizing 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 applications

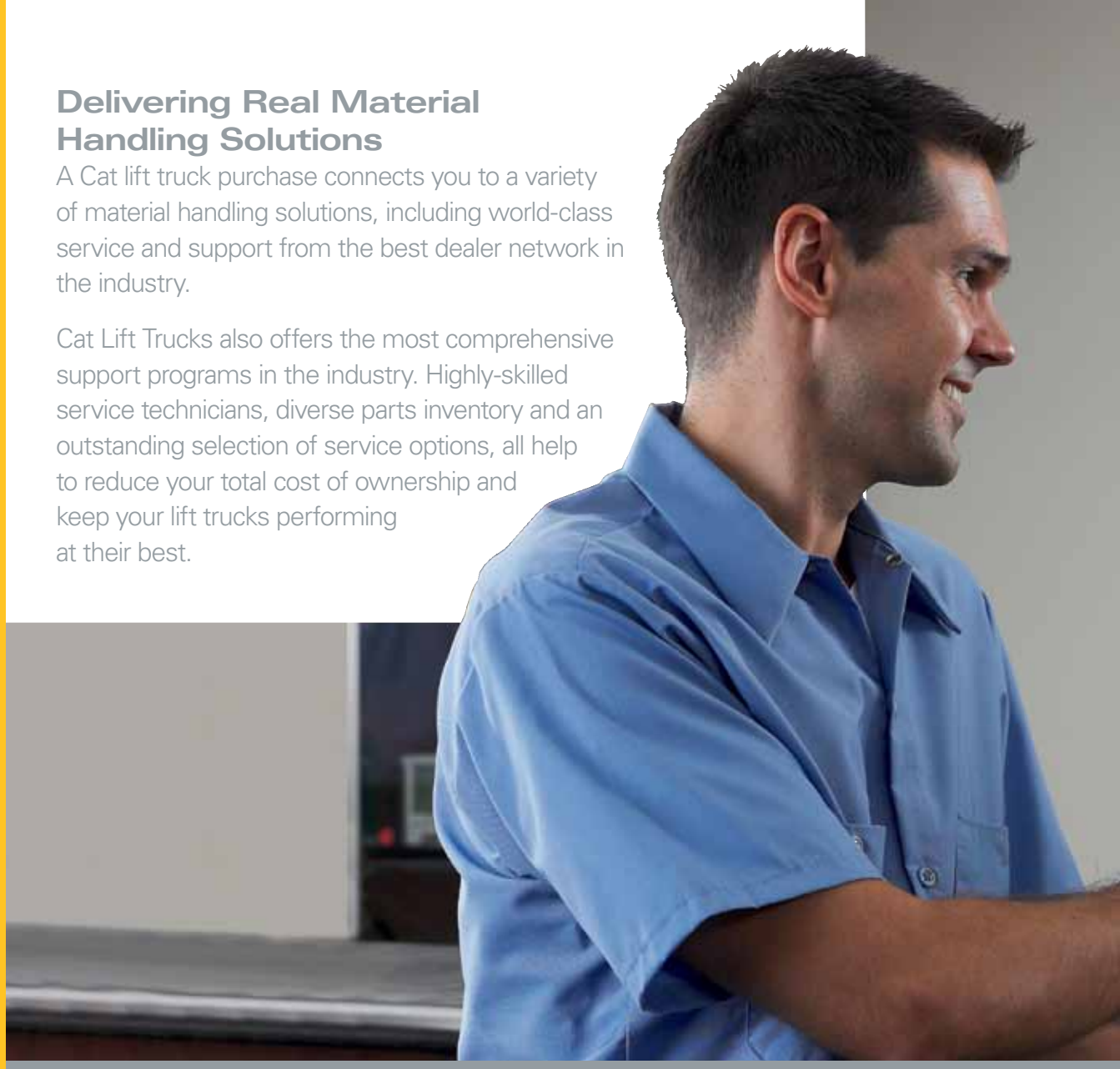
Service time minimized

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.

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.

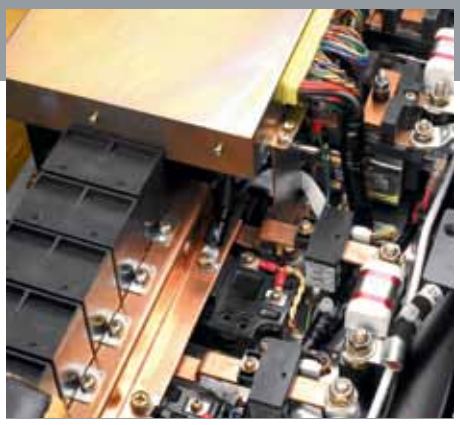
Professionals you can depend on

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

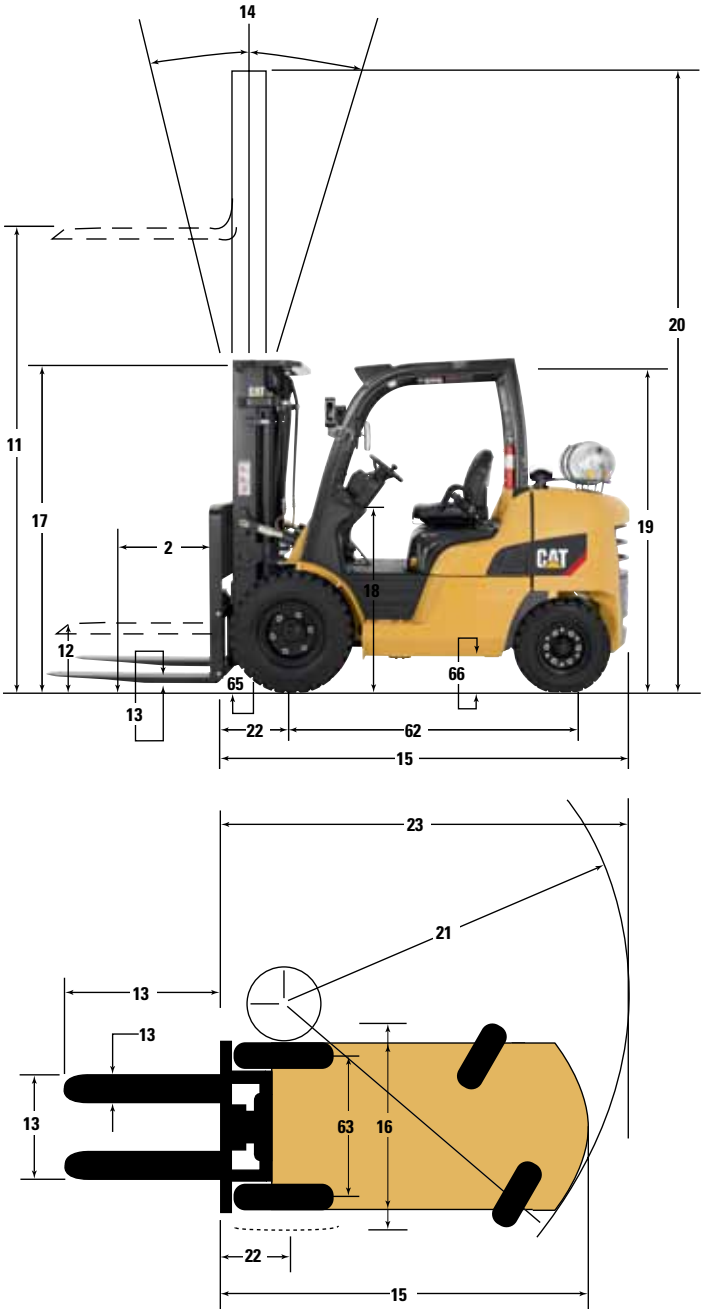
	Characteristics				P8000		PD8000		P9000		PD9000
1	Capacity	at rated load center	lb	*kg*	8,000	*4,000*	8,000	*4,000*	9,000	*4,000*	9,000
2		at load center–distance	in	*mm*	24	*500*	24	*500*	24	*600*	24
3	Power†	electric, diesel, gasoline, LP gas			gasoline / LP gas		diesel		gasoline / LP gas		diesel
4	Tire type	cushion, pneumatic			pneumatic		pneumatic		pneumatic		pneumatic
5	Wheels (x = driven)	number front / rear			2x / 2		2x / 2		2x / 2		2x / 2
	Dimensions				**P8000**		**PD8000**		**P9000**		**PD9000**
6	Lift with standard two-stage mast	maximum fork height (top of fork)	in	*mm*	132	*3,300*	132	*3,300*	132	*3,300*	132
7		free fork height	in	*mm*	5.9	*150*	5.9	*150*	5.9	*150*	5.9
8	Forks	thickness x length x width	in	*mm*	2x48x5.9	*50x1,220x150*	2x48x5.9	*50x1,220x150*	2x48x5.9	*50x1,220x150*	2x48x5.9
9	Fork spacing	out-to-out minimum / maximum	in	*mm*	12.6 / 46.6	*320 / 1,184*	12.6 / 46.6	*320 / 1,184*	12.6 / 46.6	*320 / 1,184*	12.6 / 46.6
10	Tilt	forward / backward	deg		6° / 10°		6° / 10°		6° / 10°		6° / 10°
11	Overall dimensions	length to fork face	in	*mm*	118	*3,000*	118	*3,000*	123	*3,130*	123
12		width – with standard tires	in	*mm*	55.5	*1,415*	55.5	*1,415*	57.5	*1,460*	57.5
13		width – with optional duals	in	*mm*	77.5	*1,780*	77.5	*1,780*	77.5	*1,965*	77.5
14		height – with lowered mast	in	*mm*	91.5	*2,320*	91.5	*2,320*	91.5	*2,320*	91.5
15		height – seat height	in	*mm*	42.6	*1,082*	42.6	*1,082*	42.6	*1,082*	42.6
16		height – to top of overhead guard	in	*mm*	90.5	*2,296*	90.5	*2,296*	90.5	*2,296*	90.5
17		height – with extended mast	in	*mm*	180.0	*4,570*	180.0	*4,570*	180.0	*4,570*	180.0
18	Minimum outside turning radius		in	*mm*	101.0	*2,580*	101.0	*2,580*	107.0	*2,730*	107.0
19	Load moment constant		in	*mm*	22.7	*577*	22.7	*577*	22.7	*577*	22.7
20	Minimum aisle – 90° stack – zero clearance w / out load		in	*mm*	172.0	*4,370*	172.0	*4,370*	178.0	*4,530*	178.0
	Performance				**P8000**		**PD8000**		**P9000**		**PD9000**
21	Speeds	travel speed* loaded / empty	fpm	*km/h*	14.0 / 14.0	*22.0 / 22.5*	13.5 / 14.0	*22.0 / 22.5*	13.5 / 14.0	*22.0 / 22.5*	13.5 / 14.0
22		lift speed loaded / empty	fpm	*m/s*	105 / 110	*0.59 / 0.63*	100 / 110	*0.57 / 0.64*	104 / 110	*0.53 / 0.56*	100 / 112
23		lowering speed loaded / empty	fpm	*m/s*	94 / 75	*0.52 / 0.47*	94 / 75	*0.52 / 0.47*	94 / 75	*0.48 / 0.38*	94 / 75
24	Drawbar pull	loaded at 1 mph *(1.6 km)*	lb	*N*	6,300	*28,000*	6,100	*27,000*	6,300	*28,000*	6,000
25		loaded maximum	lb	*N*	8,700	*38,500*	8,500	*38,000*	8,400	*37,500*	8,300
26	Gradeability	loaded at 1 mph *(1.6 km)*	%		31.5		30.5		28.9		28.0
27		maximum loaded	%		43.3		42.5		40.2		39.4
	Weight				**P8000**		**PD8000**		**P9000**		**PD9000**
28	Empty		lb	*kg*	12,900	*5,860*	13,050	*5,920*	13,800	*6,270*	13,950
29	Axle load	with rated load front / rear	lb	*kg*	18,900 / 2,050	*8,936 / 923*	18,950 / 2,100	*8,961 / 960*	20,400 / 2,400	*9,110 / 1,160*	20,500 / 2,500
30		without load front / rear	lb	*kg*	5,750 / 7,150	*2,610 / 3,250*	5,800 / 7,250	*2,632 / 3,288*	6,050 / 7,750	*2,750 / 3,520*	6,150 / 7,850
	Chassis				**P8000**		**PD8000**		**P9000**		**PD9000**
31	Tire size	front, standard	in		8.25x15x14PR		8.25x15x14PR		300x15x20PR		300x15x20PR
32		front, optional duals	in		8.25x15x14PR		8.25x15x14PR		8.25x15x14PR		8.25x15x14PR
33		rear	in		7.00x12x12PR		7.00x12x12PR		7.00x12x12PR		7.00x12x12PR
34	Wheelbase		in	*mm*	73.0	*1,850*	73.0	*1,850*	78.5	*2,000*	78.5
35	Tread width	front, standard tires	in	*mm*	46.5	*1,175*	46.5	*1,175*	46.5	*1,175*	46.5
36		front, optional duals	in	*mm*	57.0	*1,445*	57.0	*1,445*	57.0	*1,445*	57.0
37		rear tires	in	*mm*	46.5	*1,180*	46.5	*1,180*	46.5	*1,180*	46.5
38	Ground clearance	at lowest point at mast	in	*mm*	5.9	*150*	5.9	*150*	5.9	*150*	5.9
39		at center of wheelbase	in	*mm*	8.9	*227*	8.9	*227*	8.9	*227*	8.9
40	Brakes	service			foot, hydraulic		foot, hydraulic		foot, hydraulic		foot, hydraulic
41		parking			hand, mechanical		hand, mechanical		hand, mechanical		hand, mechanical
	Powertrain				**P8000**		**PD8000**		**P9000**		**PD9000**
42	Engine	model			Nissan TB45K		Mitsubishi S6S		Nissan TB45K		Mitsubishi S6S
43		continuous output S.A.E. gross	HP	*kW*	97	*72*	77	*58*	97	*72*	77
44			at r.p.m.		2,450		2,300		2,450		2,300
45		maximum torque S.A.E. gross	lb-ft	*N-m*	207	*280*	192	*260*	207	*280*	192
46			at r.p.m.		1,200		1,700		1,200		1,700
47		cylinder / displacement	cu in	*L*	6 / 275	*6 / 4.5*	6 / 275	*6 / 4.5*	6 / 275	*6 / 4.5*	6 / 305
48	Transmission	type			powershift		powershift		powershift		powershift
49		number of speeds forward / reverse			2 / 1		2 / 1		2 / 1		2 / 1
50	Battery	volts			12		12		12		12
51	Relief pressure	for attachments	psi	*bar*	2,770	*191*	2,770	*191*	2,770	*191*	2,770
52	Noise level	mean value at operator's ear Leq	dB(A)		84.0		84.0		84.0		84.0

† **Contact your local Cat lift truck dealer for information on gas powered models.**

PD9000	P10000		PD10000		P11000		PD11000		P12000		PD12000	
4,000	10,000	*4,500*	10,000	*4,500*	11,000	*5,000*	11,000	*5,000*	12,000	*5,500*	12,000	*5,500*
600	24	*600*	24	*600*	24	*600*	24	*600*	24	*600*	24	*600*
diesel	gasoline / LP gas		diesel		gasoline / LP gas		diesel		gasoline / LP gas		diesel	
pneumatic	pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic	
2x / 2	2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2	
PD9000	**P10000**		**PD10000**		**P11000**		**PD11000**		**P12000**		**PD12000**	
3,300	132	*3,300*	132	*3,300*	132.5	*3,300*	132.5	*3,300*	132	*3,300*	132	*3,300*
150	5.9	*150*	5.9	*150*	6.3	*160*	6.3	*160*	6.3	*160*	6.3	*160*
50x1,220x150	2x48x5.9	*50x1,220x150*	2x48x5.9	*50x1,220x150*	2.4x48x5.9	*60x1,220x150*	2.4x48x5.9	*60x1,220x150*	2.4x48x5.9	*60x1,220x150*	2.4x48x5.9	*60x1,220x150*
320 /1,184	12.6 / 46.6	*320 / 1,184*	12.6 / 46.6	*320 / 1,184*	13.4 / 46.6	*340 / 1,184*	13.4 / 46.6	*340 / 1,184*	13.4 / 46.6	*340 / 1,184*	13.4 / 46.6	*340 / 1,184*
6° / 10°	6° / 10°		6° / 10°		6° / 10°		6° / 10°		6° / 10°		6° / 10°	
3,130	125	*3,170*	125	*3,170*	132.5	*3,360*	132.5	*3,360*	132	*3,360*	132	*3,360*
1,460	57.5	*1,460*	57.5	*1,460*	57.5	*1,460*	57.5	*1,460*	57.5	*1,460*	57.5	*1,460*
1,965	77.5	*1,965*	77.5	*1,965*	77.5	*1,965*	77.5	*1,965*	77.5	*1,965*	77.5	*1,965*
2,320	94.5	*2,400*	94.5	*2,400*	94.5	*2,400*	94.5	*2,400*	94.5	*2,400*	94.5	*2,400*
1,082	42.6	*1,082*	42.6	*1,082*	42.6	*1,082*	42.6	*1,082*	42.6	*1,082*	42.6	*1,082*
2,296	90.5	*2,296*	90.5	*2,296*	90.5	*2,296*	90.5	*2,296*	90.5	*2,296*	90.5	*2,296*
4,570	180.0	*4,570*	180.0	*4,570*	181.0	*4,590*	181.0	*4,590*	181.0	*4,590*	181.0	*4,590*
2,730	109.0	*2,760*	109.0	*2,760*	114.0	*2,890*	114.0	*2,890*	116.0	*2,940*	116.0	*2,940*
577	22.9	*582*	22.9	*582*	23.7	*602*	23.7	*602*	23.7	*602*	23.7	*602*
4,530	179.0	*4,560*	179.0	*4,560*	186.0	*4,710*	186.0	*4,710*	187.0	*4,760*	187.0	*4,760*
PD9000	**P10000**		**PD10000**		**P11000**		**PD11000**		**P12000**		**PD12000**	
21.5 / 22.0	13.5 / 14	*22.0 / 22.5*	13.0 / 13.5	*21.0 / 22.0*	13.5 / 14	*22.0 / 22.5*	13.0 / 13.5	*21.0 / 22.0*	13.5 / 14.0	*21.5 / 22.5*	13.0 / 13.5	*21.0 / 22.0*
0.51 / 0.57	85 / 90	*0.43 / .46*	83 / 92	*0.42 / 0.47*	85 / 90	*0.43 / 0.46*	83 / 92	*0.42 / 0.47*	85 / 90	*0.43 / 0.46*	83 / 93	*0.42 / 0.47*
0.48 / 0.38	85 / 59	*0.43 / 0.30*	85 / 59	*0.43 / 0.30*	85 / 67	*0.43 / 0.34*	85 / 67	*0.43 / 0.34*	85 / 67	*0.43 / 0.34*	85 / 67	*0.43 / 0.34*
27,000	6,200	*27,500*	6,000	*26,500*	6,100	*27,000*	5,900	*26,500*	6,100	*21,000*	5,900	*21,300*
37,500	8,500	*37,500*	8,300	*37,000*	8,500	*37,500*	8,300	*37,000*	8,500	*21,000*	8,700	*21,300*
28.0	25.2		25.7		26.4		25.0		21.5		20.8	
39.4	36.1		35.4		32.3		33.0		30.7		30.1	
PD9000	**P10000**		**PD10000**		**P11000**		**PD11000**		**P12000**		**PD12000**	
6,330	14,950	*6,780*	15,100	*6,850*	15,950	*7,240*	16,100	*7,300*	16,700	*7,570*	16,850	*7,640*
9,140 / 1,200	22,300 / 2,700	*10,030 / 1,260*	22,350 / 2,750	*10,600 / 1,250*	24,250 / 2,700	*10,990 / 1,250*	24,300 / 2,800	*11,020 / 1,280*	25,700 / 3,000	*11,710 / 1,360*	25,750 / 3,100	*11,740 / 1,400*
2,780 / 3,550	6,300 / 8,650	*2,870 / 3,920*	6,400 / 8,700	*2,900 / 3,950*	7,050 / 5,900	*3,190 / 4,050*	7,100 / 9,000	*3,220 / 4,080*	6,900 / 9,800	*3,130 / 4,440*	7,000 / 9,850	*3,170 / 4,470*
PD9000	**P10000**		**PD10000**		**P11000**		**PD11000**		**P12000**		**PD12000**	
300x15x20PR	300x15x20PR		300x15x20PR		300x15x20PR		300x15x20PR		300x15x20PR		300x15x20PR	
8.25x15x14PR	8.25x15x14PR		8.25x15x14PR		8.25x15x14PR		8.25x15x14PR		8.25x15x14PR		8.25x15x14PR	
7.00x12x12PR	7.00x12x12PR		7.00x12x12PR		7.00x12x12PR		7.00x12x12PR		7.00x12x12PR		7.00x12x12PR	
2,000	78.5	*2,000*	78.5	*2,000*	84.5	*2,150*	84.5	*2,150*	84.5	*2,150*	84.5	*2,150*
1,175	46.5	*1,175*	46.5	*1,175*	46.5	*1,175*	46.5	*1,175*	46.5	*1,175*	46.5	*1,175*
1,445	57.0	*1,445*	57.0	*1,445*	57.0	*1,445*	57.0	*1,445*	57.0	*1,445*	57.0	*1,445*
1,180	46.5	*1,180*	46.5	*1,180*	46.5	*1,180*	46.5	*1,180*	46.5	*1,180*	46.5	*1,180*
150	5.9	*150*	5.9	*150*	5.9	*150*	5.9	*150*	5.9	*150*	5.9	*150*
227	8.9	*227*	8.9	*227*	8.9	*227*	8.9	*227*	8.9	*227*	8.9	*227*
foot, hydraulic	foot, hydraulic		foot, hydraulic		foot, hydraulic		foot, hydraulic		foot, hydraulic		foot, hydraulic	
hand, mechanical	hand, mechanical		hand, mechanical		hand, mechanical		hand, mechanical		hand, mechanical		hand, mechanical	
PD9000	**P10000**		**PD10000**		**P11000**		**PD11000**		**P12000**		**PD12000**	
Mitsubishi S6S	Nissan TB45K		Mitsubishi S6S		Nissan TB45K		Mitsubishi S6S		Nissan TB45K		Mitsubishi S6S	
58	97	*72*	77	*58*	97	*72*	77	*58*	97	*72*	77	*58*
2,300	2,450		2,300		2,450		2,300		2,450		2,300	
260	207	*280*	192	*260*	207	*280*	192	*260*	207	*280*	192	*260*
1,700	1,200		1,700		1,200		1,700		1,200		1,700	
6 / 5.0	6 / 275	*6 / 4.5*	6 / 305	*6 / 5.0*	6 / 275	*6 / 4.5*	6 / 305	*6 / 5.0*	6 / 275	*6 / 4.5*	6 / 305	*6 / 6.5*
powershift	powershift		powershift		powershift		powershift		powershift		powershift	
2 / 1	2 / 1		2/1		2/1		2/1		2/1		2/1	
12	12		12		12		12		12		12	
191	2,770	*191*	2,770	*191*	2,770	*191*	2,770	*191*	2,770	*191*	2,770	*191*
84.0	84.0		84.0		84.0		84.0		84.0		84.0	

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 lift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

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 G, G/LP, LP, D (standard). Type GS, LPS and DS. 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

Cat lift trucks come fully equipped with features and options that allow you to get the job done. For those applications that require an extra level of protection for the truck and operator — including wet, dusty, high-shuttle and other harsh environments — Cat Lift Trucks offers several options that can enhance the productivity of your material handling fleet.

Panel Cabs

Three varieties of panel cabs are offered to protect the operator from the elements.

Package 1:

- Front windshield with wiper
- Top panel with tempered glass for optimal viewing

Package 2:

- Front windshield with wiper
- Top panel with tempered glass for optimal viewing
- Back panel with fold-out glass panel and wiper

Package 3:

- Front windshield with wiper
- Top panel with tempered glass for optimal viewing
- Back panel with fold-out glass panel and wiper
- Steel doors
- Heater
- Fan

Oil-Cooled Disc Brakes

Fully-enclosed oil-cooled disc brakes can improve uptime and lower maintenance costs in dusty or dirty applications.

Productivity Packages

Productivity Package options incorporate oil-cooled disc brakes and enhanced systems such as ProShift™, auto-deceleration and controlled rollback to slow and control the truck. This is in contrast to some competitive systems, which use the transmission for similar functionality, resulting in premature component wear.

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.

Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 8,000-12,000 lb

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

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CAT® Lift Trucks