POWER, REDEFINED

22,000 - 36,000 LB. CAPACITY
INTERNAL COMBUSTION
PNEUMATIC TIRE LIFT TRUCK

CAT® Lift Trucks

TRUE STRENGTH, COMES FROM THE INSIDE

Built With Your Business In Mind

The Cat® DP100N2-DP160N2 pneumatic tire lift truck series provides optimum power and reliability to tackle the toughest material handling applications. Equipped with a high-performance, twin turbo Perkins™ 1204F 4.4L engine, this series offers increased fuel efficiency, reduced emissions and a lower overall operating cost.

ADVANTAGES TO YOU:

- 22,000 - 36,000 lb. lift capacities
- Controlled, yet powerful acceleration maximizes productivity.
- A 13% increase* in fuel efficiency means a better bottom line for your business.
- 500-hour extended service intervals for less maintenance and reduced downtime.
- Emission levels meet or exceed Environmental Protection Agency (EPA) Tier 4 Final requirements.
- World-class service and support is provided by the best dealer network in the industry.
- High ground clearance for uneven terrain.

KEY APPLICATIONS:

- Lumber
- Steel and pipe
- Fabricated metals
- Concrete, stone, clay and glass
- Industrial machinery and equipment

Fuel-efficient Perkins diesel engine
EPA Tier 4 Final-compliant

Solid steel frame
More steel in the frame for added strength and durability

Front-to-back visibility
Narrow mast channels with a large window of vision and a low profile counterweight promote good visibility while traveling

Durability and strength
One-piece steer axle reduces stress on the chassis and allows the lift truck to perform in rugged environments

* Fuel efficiency increase shown against previous model in preliminary testing. Levels may vary based on application.

Ready To Work

Equipped with a powerful four-cylinder engine, the Cat DP100N2-DP160N2 series is ready to work when you are. Delivering powerful acceleration for maximum productivity, these lift trucks were built for real performance.

HIGH-PERFORMANCE ENGINE

This lift truck series features a Perkins 1204F 4.4L sequential, twin turbo, in-line four-cylinder engine, which draws from more than 80 years of diesel engine experience. Building only the best in industrial engines, Perkins has spent a vast amount of time and resources on engine development for increased productivity and lower overall operating costs. This engine is able to provide comparable productivity with a fraction of the fuel, and ultimately, a fraction of the operating cost.

Benefits:

- Performs with 13% more fuel efficiency than the previous model, resulting in greater annual savings*.
- Low-speed torque offers controlled, yet powerful acceleration for maximum productivity.
- Twin turbochargers deliver rapid response and a better driving experience for your operators.
- Built to meet EPA Tier 4 Final standards.

REDUCED EMISSIONS

With the help of a Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) modules, this lift truck meets all the U.S. EPA Tier 4 Final standards. The DOC strips out hydrocarbons and particulates then the SCR sprays the exhaust gases with a urea-based diesel exhaust fluid (DEF) which reduces the NOx levels by more than 90 percent before the gases exit the pipe.

- **Increased uptime –** the aftertreatment system is expected to last the engine's lifetime.
- **Maintenance free –** the aftertreatment system does not require cleaning or service.

* Based on preliminary test results; levels may vary depending on application.

LONG-TERM POWER

QUALITY NEVER QUITS

With top engine performance, this lift truck series is ready to take on the most rugged applications, delivering day after day, shift after shift.

COMFORT
OVER THE LONG HAUL

EXCEPTIONAL COMFORT

The standard vinyl multifunction full-suspension GRAMMER™ seat provides greater operator comfort. The seat significantly reduces vibration and allows several adjustments.

- **Front and back adjustment**
  Slides up to 8.25 inches for operators of various heights
- **Suspension adjustment**
  Weight sensitive adjustable spring rate
- **Lumbar support adjustment**
  Supports the operator's lower back
- **Swivel seat option**
  Provides additional comfort during reverse travel and makes it easier to enter and exit the lift truck
- **Optional air-ride seat**
  Adds even more comfort to the wide cabin option

The DP100N2-DP160N2 series is equipped with essential features for optimum operator comfort and control. Ergonomics and a smooth, controlled ride come together to help your operators achieve maximum productivity.

MORE DURABILITY

Minimize downtime while increasing operator productivity with the help of these features:

- **Heavy-duty planetary drive axle** – designed to meet and exceed the most aggressive applications.
- **Robust 3-speed powershift transmission** – a proven design for maximum durability.
- **Wet Disc Breaks** – engineered to perform under the most severe conditions.

MORE CONTROL

The optional fingertip armrest control was designed with operator comfort in mind. The ergonomic design enables precise load control via an adjustable ultra-comfortable support with easy movement and excellent hand positioning.

MORE FEATURES FOR YOUR OPERATOR

- **Hydrostatic steering –** minimizes the steering effort regardless of speed, providing better lift truck control and maneuverability.
- **Tilt steering column with mechanical quick return –** allows the operator to adjust and lock, returning the truck to its preset position.
- **Standard orange seat belt –** clearly see when operators are properly wearing their seat belt.

CAB OPTIONS

For maximum operator comfort and protection from the elements, this lift truck can be equipped with two different cabin options. The fully-enclosed panel cabin option can be installed at the factory or on site and comes standard with a heater and optional A/C package. The new wide cabin option is a factory install welded frame offering several upgrades including:

- Spacious operator compartment with a redesigned engine cover.
- Deluxe air suspension vinyl GRAMMER™ adjustable air ride seat with swivel.
- High capacity heater system with defrost to circulate air evenly in the whole cabin.
- New floor plates design with easy access for service.
- Optional A/C package.
- Elevated air intake pre-cleaner to prevent contaminants from prematurely clogging the air filter.
- High output alternator and auxiliary power plugs to allow for additional accessories.
- Operator fan.
- Premium double folding doors with the ability to lock in the open position.

SECURITY FEATURES

Dedicated to your security from the moment you get on the lift truck to the end of the shift, the DP100N2-DP160N2 series offers these standard features:

- Highly-visible orange seat belt
- Anti-slip step plate
- 18-inch elongated grab bar
- Electronic backup alarm
- Panoramic mirrors

PRESENCE DETECTION SYSTEM (PDS)

The Presence Detection System (PDS) activates whenever the operator does not fasten the seat belt during operation or leaves the normal operating position without activating the parking brake. This integral computer-based feedback system uses both audible and visual indicators to alert the operator to potentially hazardous situations, while increasing operator awareness.

Key features:

- When the operator is not in the normal operating position, the PDS electronically discontinues powered-travel movement and activation of load-handling functions.
- When an operator is in the normal operating position, but the seat belt is not buckled, an audible warning will sound and a visible indicator will appear, alerting the operator.

TAKE CONTROL OF YOUR WORKDAY

Optimum Visibility, Maximum Efficiency

The Cat DP100N2-DP160N2 series is equipped with essential indicators and features to help keep your operators alert and confident throughout the workday. Experience maximum productivity with this lineup of powerful tools.

Premium LCD/LED Display

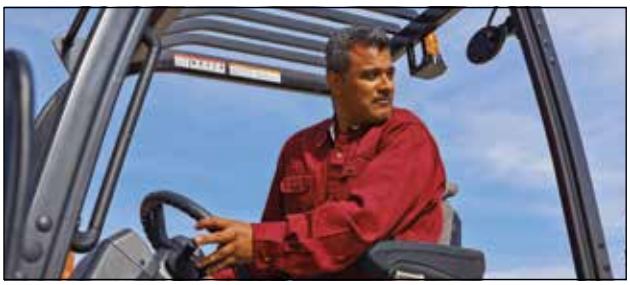
The easy-to-read display with at-a-glance indicators helps to keep the operator aware of the truck's performance. Features like speed, travel direction and maintenance requirements are easily visible throughout operation.

Ground Speed Control

Software and sensors limit the maximum travel speed of the truck without limiting its performance. See your local Cat lift truck dealer for flexibility in adjusting the speed.

LED Lights

These work lights have a longer life, minimize glare and are cooler than traditional bulbs – all features that lower the cost of ownership while improving operator productivity.



Electronic Backup Alarm

The alarm sounds anytime the truck is in reverse, alerting pedestrians and other operators working nearby.

Engine Protection System

This system is designed to keep the lift truck running at peak performance. Display-based indicators notify the operators when vital fluids are low or engine maintenance is required, resulting in greater uptime while helping to reduce the risk of more costly maintenance needs later down the line.

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

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

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

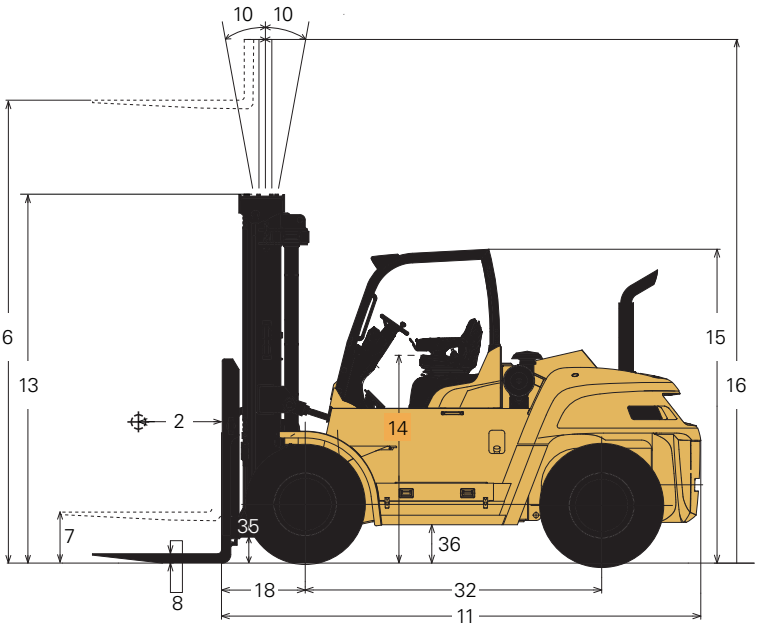
	Characteristics			DP100N2		DP120N2		DP135N2	
1	Capacity at rated load center	lb	*kg*	22,000	*10,000*	26,500	*12,000*	30,000	*13,500*
2	Capacity at load center – distance	in	*mm*	24	*600*	24	*600*	24	*600*
3	Power – electric, diesel, gasoline or LP gas			diesel		diesel		diesel	
4	Tire type – cushion or pneumatic			pneumatic		pneumatic		pneumatic	
5	Wheels (x=driven) – number front / rear			4x / 2		4x / 2		4x / 2	
	Dimensions			**DP100N2**		**DP120N2**		**DP135N2**	
6	Maximum fork height (top of fork) [1]	in	*mm*	121	*3,072*	121	*3,079*	121.5	*3,088*
7	Free fork height [1]	in	*mm*	2.8	*72*	3.1	*79*	3.5	*88*
8	Forks – thickness x length x width [1]	in	*mm*	2.8 x 48.0 x 7.1	*72 x 1,220 x 180*	3.1 x 48.0 x 7.1	*79 x 1,220 x 180*	3.5 x 48.0 x 7.1	*88 x 1,220 x 180*
9	Fork spacing – out-to-out minimum / maximum	in	*mm*	18.7 / 79.1	*475 / 2,010*	18.7 / 79.1	*475 / 2,010*	18.7 / 79.1	*475 / 2,010*
10	Tilt – forward / backward	deg		15° / 12°		15° / 12°		15° / 12°	
11	Length to fork face	in	*mm*	177	*4,505*	178	*4,515*	179	*4,535*
12	Width – with dual drive tires	in	*mm*	99	*2,515*	99	*2,515*	103	*2,605*
13	Height – with lowered mast [1]	in	*mm*	121.5	*3,087*	121.5	*3,087*	131.5	*3,332*
14	Seat height to SIP	in	*mm*	75.4	*1,915*	75.4	*1,915*	77.2	*1,960*
15	Height – to top of overhead guard	in	*mm*	119	*3,015*	119	*3,020*	121	*3,060*
16	Height – with extended mast [1]	in	*mm*	177	*4,486*	177	*4,486*	194	*4,927*
17	Minimum outside turning radius	in	*mm*	164	*4,160*	164	*4,160*	164	*4,160*
18	Load moment constant	in	*mm*	30.3	*770*	30.7	*780*	31.5	*800*
19	Minimum aisle – 90° stack – zero clearance without a load	in	*mm*	194	*4,930*	194	*4,940*	195	*4,960*
	Performance			**DP100N2**		**DP120N2**		**DP135N2**	
20	Travel speed – loaded / empty	mph	*km/h*	17.7 / 20.2	*28.5 / 32.5*	16.8 / 19.9	*27.0 / 32.0*	16.8 / 20.5	*27.0 / 33.0*
21	Lift speed – loaded / empty	fpm	*m/s*	80.7 / 86.6	*0.41 / 0.44*	80.7 / 86.6	*0.41 / 0.44*	66.9 / 72.8	*0.34 / 0.37*
22	Lowering speed – loaded / empty	fpm	*m/s*	90.6 / 94.5	*0.46 / 0.48*	90.6 / 94.5	*0.46 / 0.48*	94.5 / 78.7	*0.48 / 0.40*
23	Drawbar pull – loaded at 1 mph (1.6 km)	lb	*N*	21,130	*94,000*	20,910	*93,000*	19,560	*87,000*
24	Drawbar pull – loaded maximum	lb	*N*	23,830	*106,000*	25,400	*113,000*	23,380	*104,000*
25	Gradeability – loaded at 1 mph (1.6 km)	%		41.5		36.4		29.7	
26	Gradeability – maximum loaded	%		41.5		42.1		36.3	
	Weight			**DP100N2**		**DP120N2**		**DP135N2**	
27	Empty	lb	*kg*	32,280	*14,640*	34,580	*15,680*	38,930	*17,660*
28	Axle load – with rated load front / rear	lb	*kg*	48,305 / 5,975	*21,930 / 2,710*	55,035 / 6,045	*24,940 / 2,740*	62,140 / 6,790	*28,080 / 3,080*
29	Axle load – without load front / rear	lb	*kg*	15,540 / 16,740	*7,050 / 7,590*	15,520 / 19,060	*7,040 / 8,640*	17,270 / 21,660	*7,835 / 9,825*
	Chassis			**DP100N2**		**DP120N2**		**DP135N2**	
30	Tire size – front, standard duals	in		10-20-14PR		10-20-16PR		12-20-18PR	
31	Tire size – rear tires	in		10-20-14PR		10-20-16PR		12-20-18PR	
32	Wheelbase	in	*mm*	110	*2,800*	110	*2,800*	110	*2,800*
33	Tread width – front, standard duals	in	*mm*	74.8	*1,900*	74.8	*1,900*	75.0	*1,905*
34	Tread width – rear tires	in	*mm*	77.4	*1,965*	77.4	*1,965*	75.8	*1,925*
35	Ground clearance – at lowest point at mast	in	*mm*	10.2	*260*	10.2	*260*	12.0	*305*
36	Ground clearance – at center of wheelbase	in	*mm*	12.2	*310*	12.2	*310*	14.0	*355*
37	Service brake			air over hydraulic power brakes		air over hydraulic power brakes		air over hydraulic power brakes	
38	Parking brake			hand, mechanical		hand, mechanical		hand, mechanical	
	Powertrain			**DP100N2**		**DP120N2**		**DP135N2**	
39	Engine model			Perkins 1204F		Perkins 1204F		Perkins 1204F	
40	Engine – continuous output S.A.E. gross	HP	*kW*	174	*129*	174	*129*	174	*129*
41		at rpm		2,200		2,220		2,200	
42	Engine – maximum torque S.A.E. gross	lb-ft	*N-m*	553	*750*	553	*750*	553	*750*
43		at rpm		1,400		1,400		1,400	
44	Cylinder / displacement	cu in	*L*	4 / 268.5	*4 / 4.4*	4 / 268.5	*4 / 4.4*	4 / 268.5	*4 / 4.4*
45	Transmission – type			powershift		powershift		powershift	
46	Transmission – number of speeds forward / reverse			3 / 3		3 / 3		3 / 3	
47	Battery	volts		24		24		24	
48	Relief pressure for attachments	psi	*bar*	2,990	*206*	2,990	*206*	2,990	*206*
49	Noise level – mean value at operator's ear Leq	dB(A)		82.9		82.9		82.9	

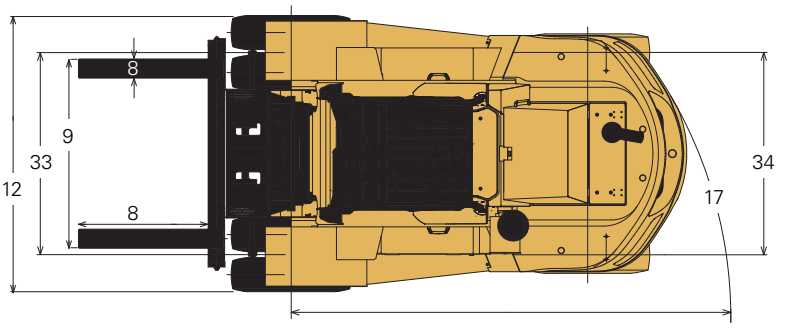
1) Heights with listed forks on standard two-stage mast. Optional forks will change dimensions slightly.

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

DP100N-DP160N

DP150N2		DP160N2	
33,000	*15,000*	36,000	*16,000*
24	*600*	24	*600*
diesel		diesel	
pneumatic		pneumatic	
4x / 2		4x / 2	
DP150N2		**DP160N2**	
121.5	*3,088*	121.5	*3,092*
3.5	*88*	3.6	*92*
3.5 x 48.0 x 7.1	*88 x 1,220 x 180*	3.6 x 48.0 x 7.1	*92 x 1,220 x 180*
18.7 / 89.0	*475 / 2,260*	18.7 / 89.0	*475 / 2,260*
15° / 12°		15° / 12°	
191	*4,840*	199	*5,050*
103	*2,605*	104	*2,635*
131.5	*3,330*	139	*3,530*
77.2	*1,960*	77.2	*1,960*
121	*3,060*	121	*3,060*
194	*4,927*	194	*4,927*
179	*4,550*	190	*4,820*
31.7	*805*	32.1	*815*
211	*5,355*	222	*5,635*
DP150N2		**DP160N2**	
16.5 / 20.2	*26.5 / 32.5*	16.2 / 20.2	*26.0 / 32.5*
66.9 / 72.8	*0.34 / 0.37*	63.0 / 67.0	*0.32 / 0.34*
94.5 / 78.7	*0.48 / 0.40*	86.6 / 72.8	*0.44 / 0.37*
19,560	*87,000*	19,330	*86,000*
23,380	*104,000*	23,160	*103,000*
27.6		25.7	
33.8		31.3	
DP150N2		**DP160N2**	
40,230	*18,240*	42,170	*19,120*
66,500 / 6,730	*30,190 / 3,050*	71,225 / 6,945	*31,970 / 3,150*
18,490 / 21,740	*8,385 / 9,855*	20,100 / 22,070	*9,110 / 10,010*
DP150N2		**DP160N2**	
12-20-18PR		12-20-20PR	
12-20-18PR		12-20-20PR	
122	*3,100*	130	*3,300*
75.0	*1,905*	75.0	*1,905*
75.8	*1,925*	74.4	*1,890*
11.8	*300*	11.8	*300*
14.0	*355*	14.0	*355*
air over hydraulic power brakes		wet disc brakes	
hand, mechanical		hand, mechanical	
DP150N2		**DP160N2**	
Perkins 1204F		Perkins 1204F	
174	*129*	174	*129*
2,200		2,200	
553	*750*	553	*750*
1,400		1,400	
4 / 268.5	*4 / 4.4*	4 / 268.5	*4 / 4.4*
powershift		powershift	
3 / 3		3 / 3	
24		24	
2,990	*206*	2,990	*206*
82.9		82.9	





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.

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.

BUILT FOR IT.™

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CAT® Lift Trucks