



POWER, REDEFINED

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



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 some of 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 yards and sawmills
- Steel and pipe
- Fabricated metals and foundries
- Concrete, stone, clay and glass
- Industrial machinery and equipment



Solid steel frame

More steel in the frame for added strength and durability



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.

QUALITY NEVER QUILTS

Engineered For Power And Performance

After years of expertise and leadership in material handling solutions, Cat Lift Trucks engineered a game-changing powertrain for exceptional performance in some of the toughest material handling conditions.

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 exhaust gases leave the engine and pass by the DOC stripping them from Hydrocarbons and particulates. The gases then move to the SCR where they get sprayed with the Diesel Exhaust Fluid (DEF) reducing the NOx before exiting the pipe.

- **Increase Uptime** - The aftertreatment system is expected to last the engine's lifetime.
- **Maintenance Free** - The aftertreatment system does not require cleaning or servicing.



RUGGED PERFORMANCE FEATURES

The engine, transmission and axle are packaged together with power and longevity in mind. This rugged combination is all you need for better productivity at a lower cost.

- **Robust Cast Iron Housings**
Rugged cast iron transmission and axle housings provide thermal and impact protection for any rough application your jobsite demands.
- **Strong Axles**
Larger diameter axles and bearings add extra strength for exceptional rigidity, and the superior fully-floating drive axle design enhances durability.



ROBUST POWERSHIFT TRANSMISSION

The Powershift transmission has a proven track record for quality and reliability that helps improve productivity by maximizing uptime. The three forward and three reverse gears are electronically controlled by the Vehicle Control Module (VCM) for super-smooth shifting while maintaining maximum power.

Performance-matched with the high efficiency Perkins 1204 engine, it delivers rugged durability and fuel economy for optimum power and efficiency.

DURABLE POWERFUL ENGINE

Built to excel in a wide range of applications and tackle some of the toughest jobs on the planet, the CAT DP100N2-DP160N2 series is equipped with a powerful Perkins 1204F 4.4L sequential, twin turbo, four-cylinder high performance engine.

With more than 80 years of experience and 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 provides 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.
- Engine protection system.

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



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
- Panoramic mirrors
- Electronic backup alarm

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.



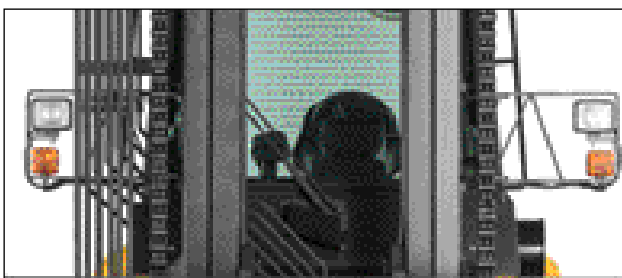
Premium LCD/LED Display

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.



All-Around Awareness

Narrow mast channels with a large window of vision and a low profile counterweight provide good visibility while traveling.

COMFORT OVER THE LONG HAUL



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:

- **Rugged frame** – With the help of Finite Element Analysis (FEA), the robust frame has been designed to withstand some of the most demanding applications today.
- **Heavy-duty planetary drive axle** – Designed to meet and exceed the most aggressive applications.
- **Robust Powertrain** – A proven design that sets the standard in performance and durability.
- **Wet Disc Brakes** – Engineered to perform under severe conditions and to optimize stopping power while keeping the brakes cooler and lasting longer.

MORE FEATURES FOR YOUR OPERATOR

- **Spacious Operator compartment** – Plenty of legroom and ample space for entering and exiting the truck thanks to conveniently placed grab handles and steps.
- **Hydrostatic steering** – Minimizes the steering effort regardless of speed, providing excellent 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.

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

ALL-WEATHER DEFENSE

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.



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.







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.

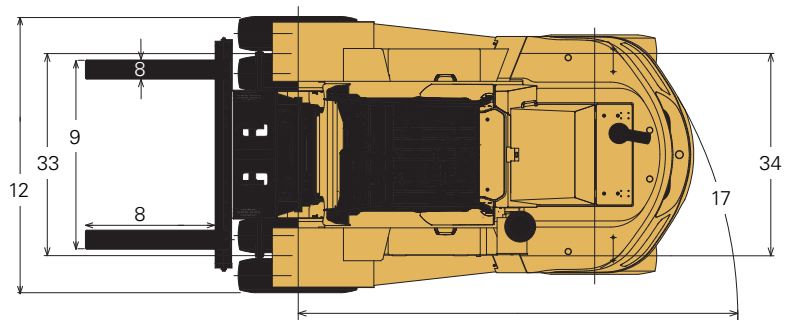
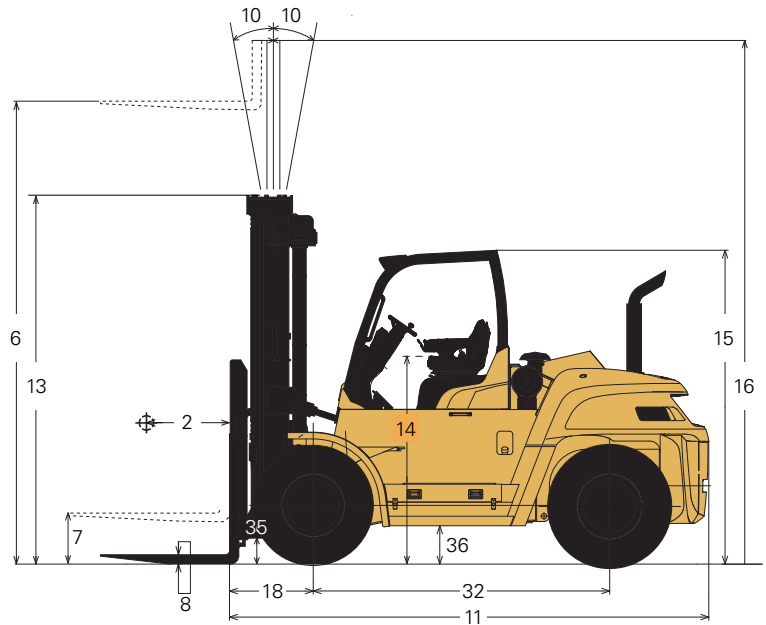
Specifications

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: 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 different configurations and 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.

DP150N2		DP160N2		
1	33,000	15,000	36,000	16,000
2	24	600	24	600
3	diesel		diesel	
4	pneumatic		pneumatic	
5	4x / 2		4x / 2	
DP150N2		DP160N2		
6	121.5	3,088	121.5	3,092
7	3.5	88	3.6	92
8	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
9	18.7 / 89.0	475 / 2,260	18.7 / 89.0	475 / 2,260
10	15° / 12°		15° / 12°	
11	191	4,840	199	5,050
12	103	2,605	104	2,635
13	131.5	3,330	139	3,530
14	77.2	1,960	77.2	1,960
15	121	3,060	121	3,060
16	194	4,927	194	4,927
17	179	4,550	190	4,820
18	31.7	805	32.1	815
19	211	5,355	222	5,635
DP150N2		DP160N2		
20	16.5 / 20.2	26.5 / 32.5	16.2 / 20.2	26.0 / 32.5
21	66.9 / 72.8	0.34 / 0.37	63.0 / 67.0	0.32 / 0.34
22	94.5 / 78.7	0.48 / 0.40	86.6 / 72.8	0.44 / 0.37
23	19,560	87,000	19,330	86,000
24	23,380	104,000	23,160	103,000
25	276		25.7	
26	33.8		31.3	
DP150N2		DP160N2		
27	40,230	18,240	42,170	19,120
28	66,500 / 6,730	30,190 / 3,050	71,225 / 6,945	31,970 / 3,150
29	18,490 / 21,740	8,385 / 9,855	20,100 / 22,070	9,110 / 10,010
DP150N2		DP160N2		
30	12-20-18PR		12-20-20PR	
31	12-20-18PR		12-20-20PR	
32	122	3,100	130	3,300
33	75.0	1,905	75.0	1,905
34	75.8	1,925	74.4	1,890
35	11.8	300	11.8	300
36	14.0	355	14.0	355
37	air over hydraulic power brakes		wet disc brakes	
38	hand, mechanical		hand, mechanical	
DP150N2		DP160N2		
39	Perkins 1204F		Perkins 1204F	
40	174	129	174	129
41	2,200		2,200	
42	553	750	553	750
43	1,400		1,400	
44	4 / 268.5	4 / 4.4	4 / 268.5	4 / 4.4
45	powershift		powershift	
46	3 / 3		3 / 3	
47	24		24	
48	2,990	206	2,990	206
49	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.

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