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
TRUE STRENGTH, COMES FROM THE INSIDE

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

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
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.

**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.

**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.

**All-Around Awareness**
Narrow mast channels with a large window of vision and a low profile counterweight provide good visibility while traveling.
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.
MORE
CONFIDENCE

Local service and support
Genuine OEM parts
Custom financing packages
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

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Capacity at rated load center (lb)</td>
<td>22,000</td>
<td>10,000</td>
<td>26,500</td>
</tr>
<tr>
<td>2 Capacity at load center – distance (in)</td>
<td>24</td>
<td>600</td>
<td>24</td>
</tr>
<tr>
<td>3 Power – electric, diesel, gasoline or LP gas</td>
<td>diesel</td>
<td>diesel</td>
<td>diesel</td>
</tr>
<tr>
<td>4 Tire type – cushion or pneumatic</td>
<td>pneumatic</td>
<td>pneumatic</td>
<td>pneumatic</td>
</tr>
<tr>
<td>5 Wheels (x-driven) – number front / rear</td>
<td>4x / 2</td>
<td>4x / 2</td>
<td>4x / 2</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Maximum fork height (top of fork)</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>7 Free fork height</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>8 Forks – thickness x length x width</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>9 Fork spacing – out-to-out minimum / maximum</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>10 Tilt – forward / backward (deg)</td>
<td>15° / 12°</td>
<td>15° / 12°</td>
<td>15° / 12°</td>
</tr>
<tr>
<td>11 Length to fork face (in)</td>
<td>177</td>
<td>485</td>
<td>178</td>
</tr>
<tr>
<td>12 Width – with dual drive tires</td>
<td>99</td>
<td>2,515</td>
<td>99</td>
</tr>
<tr>
<td>13 Height – with lowered mast</td>
<td>121.5</td>
<td>3,087</td>
<td>121.5</td>
</tr>
<tr>
<td>14 Seat height to S/1P (in)</td>
<td>75.4</td>
<td>1,895</td>
<td>75.4</td>
</tr>
<tr>
<td>15 Height – to top of overhead guard</td>
<td>119</td>
<td>3,015</td>
<td>119</td>
</tr>
<tr>
<td>16 Height – with extended mast</td>
<td>177</td>
<td>4,486</td>
<td>177</td>
</tr>
<tr>
<td>17 Minimum outside turning radius</td>
<td>164</td>
<td>4,160</td>
<td>164</td>
</tr>
<tr>
<td>18 Load moment constant</td>
<td>30.3</td>
<td>770</td>
<td>30.7</td>
</tr>
<tr>
<td>19 Minimum aisle – 90° stack – zero clearance without a load</td>
<td>in</td>
<td>mm</td>
<td>mm</td>
</tr>
</tbody>
</table>

### Performance

<table>
<thead>
<tr>
<th>Performance</th>
<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Travel speed – loaded / empty (mph)</td>
<td>mm</td>
<td>m/s</td>
<td>m/s</td>
</tr>
<tr>
<td>21 Lift speed – loaded / empty (fpm)</td>
<td>m/s</td>
<td>m/s</td>
<td>m/s</td>
</tr>
<tr>
<td>22 Lowering speed – loaded / empty (fpm)</td>
<td>m/s</td>
<td>m/s</td>
<td>m/s</td>
</tr>
<tr>
<td>23 Drawbar pull – loaded at 1 mph (1.6 km) (lb)</td>
<td>23,830</td>
<td>106,000</td>
<td>25,400</td>
</tr>
<tr>
<td>24 Drawbar pull – maximum (lb)</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>25 Gradeability – loaded at 1 mph (1.6 km) (%)</td>
<td>41.5</td>
<td>36.4</td>
<td>29.7</td>
</tr>
<tr>
<td>26 Gradeability – maximum loaded (%)</td>
<td>41.5</td>
<td>42.1</td>
<td>36.3</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Weight</th>
<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 Empty (lb)</td>
<td>32,280</td>
<td>14,840</td>
<td>34,580</td>
</tr>
<tr>
<td>28 Axle load – with rated load front / rear (lb)</td>
<td>48,305 / 5,975</td>
<td>21,930 / 2,710</td>
<td>55,035 / 6,045</td>
</tr>
<tr>
<td>29 Axle load – without load front / rear (lb)</td>
<td>15,540 / 16,740</td>
<td>7050 / 7590</td>
<td>15,520 / 19,060</td>
</tr>
</tbody>
</table>

### Chassis

<table>
<thead>
<tr>
<th>Chassis</th>
<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Tire size – front, standard duals (in)</td>
<td>10-20-14PR</td>
<td>10-20-14PR</td>
<td>12-20-18PR</td>
</tr>
<tr>
<td>31 Tire size – rear tires (in)</td>
<td>10-20-14PR</td>
<td>10-20-14PR</td>
<td>12-20-18PR</td>
</tr>
<tr>
<td>32 Wheelbase (in)</td>
<td>110</td>
<td>2,800</td>
<td>110</td>
</tr>
<tr>
<td>33 Tread width – front, standard duals (in)</td>
<td>74.8</td>
<td>1,900</td>
<td>74.8</td>
</tr>
<tr>
<td>34 Tread width – rear tires (in)</td>
<td>77.4</td>
<td>1,985</td>
<td>774</td>
</tr>
<tr>
<td>35 Ground clearance – at lowest point at mast (in)</td>
<td>10.2</td>
<td>280</td>
<td>10.2</td>
</tr>
<tr>
<td>36 Ground clearance – at center of wheelbase (in)</td>
<td>12.2</td>
<td>310</td>
<td>12.2</td>
</tr>
<tr>
<td>37 Service brake</td>
<td>air over hydraulic power brakes</td>
<td>air over hydraulic power brakes</td>
<td>air over hydraulic power brakes</td>
</tr>
<tr>
<td>38 Parking brake</td>
<td>hand, mechanical</td>
<td>hand, mechanical</td>
<td>hand, mechanical</td>
</tr>
</tbody>
</table>

### Powertrain

<table>
<thead>
<tr>
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<th>DP100N2</th>
<th>DP120N2</th>
<th>DP135N2</th>
</tr>
</thead>
<tbody>
<tr>
<td>39 Engine model</td>
<td>Perkins 1204F</td>
<td>Perkins 1204F</td>
<td>Perkins 1204F</td>
</tr>
<tr>
<td>40 Engine – continuous output S.A.E. gross (HP)</td>
<td>174</td>
<td>129</td>
<td>174</td>
</tr>
<tr>
<td>41 Engine – maximum torque S.A.E. gross (lb-ft)</td>
<td>553</td>
<td>750</td>
<td>553</td>
</tr>
<tr>
<td>42 Cylinder / displacement (cu in)</td>
<td>L</td>
<td>4 / 268.5</td>
<td>4 / 4.4</td>
</tr>
<tr>
<td>43 Transmission – type</td>
<td>powershift</td>
<td>powershift</td>
<td>powershift</td>
</tr>
<tr>
<td>44 Transmission – number of speeds forward / reverse</td>
<td>3 / 3</td>
<td>3 / 3</td>
<td>3 / 3</td>
</tr>
<tr>
<td>45 Battery (volts)</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>46 Reliability pressure for attachments (psi)</td>
<td>2,990</td>
<td>206</td>
<td>2,990</td>
</tr>
<tr>
<td>47 Noise level – mean value at operator’s ear Leq (dBA)</td>
<td>82.9</td>
<td>82.9</td>
<td>82.9</td>
</tr>
</tbody>
</table>

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 Forklift America Inc. (MFA). (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.
### 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.