



# Internal Combustion Pneumatic Tire Trucks

Capacity: 10.0 Tons to 16.0 Tons



# INDUSTRIAL LIFT TRUCKS FOR INTENSIVE APPLICATIONS BOOSTING POWER WITH EXTREME DURABILITY

The Cat® DP100-160(S)NL lift truck boasts of high power and rigid structures that withstand the demanding nature of your workloads. Take productivity to the maximum by using the truck's automatic 3-speed powershift transmission and full hydrostatic power steering.

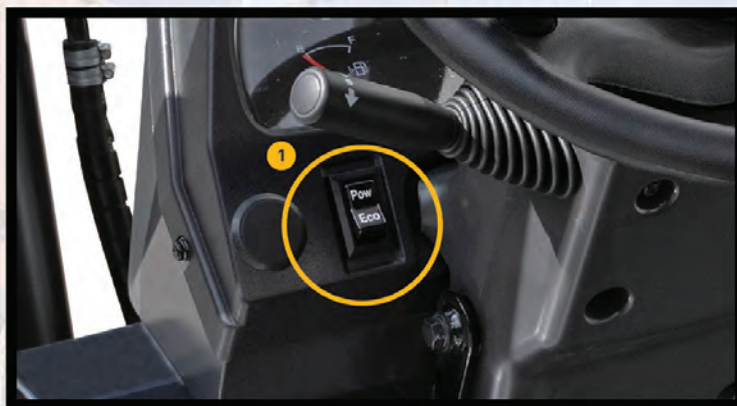
Our truck's superior productivity is paired with an unwavering commitment to operator safety and comfort. Neutral safety locks and powerful brake boosters are standard features to ensure operator safety and productivity. The cabin's pillarless design also ensures full visibility so as to reduce operator blind spots. Performance, ergonomics and safety has been optimised to bring you the perfect solution for the most demanding applications.



## 1 ACHIEVE SUPERIOR PRODUCTIVITY WITH POWER MODE

Operators now have a choice between Economy Mode and Power Mode, depending on the intensiveness of the workload and their driving habits.

- ✓ Economy Mode provides a slower and more gradual start up that optimises fuel savings
- ✓ Power Mode provides a powerful start up boost and sets the truck's performance at highest productivity



## 2 SMOOTH ADJUSTMENTS BETWEEN SPEED LEVELS

Use the automatic 3-speed powershift transmission by simply switching up the dial to control the truck speed.

- ✓ The lowest transmission speed is useful for high torque applications
- ✓ The highest transmission speed is useful for long-distance travelling

## 3 RELIABLE ELECTRICALLY ACTIVATED PARK BRAKE

Heavy-duty applications require reliable brake systems that work every single time, which is why our trucks are equipped with a sophisticated electric parking wet disc brake system.

- ✓ Ergonomically positioned soft touch electric switch allows operators to quickly and effortlessly engage brakes, whenever is needed.
- ✓ Wet disc design improves the park brake efficiency and overall machine durability.





## **Standout performance within reach**

Engineered for the demanding applications and for the harshest of conditions, the DP100-160SNL lift truck guarantees exceptional performance and durability.

## **Incredible Engine Performance**

The 6BG1T Turbo charged internal combustion engine delivers smashing power levels and torque that is designed for climbing steep slopes and lifting heavy loads. With a laden lifting speed of 450mm/s [DP120NL] and 38% gradeability [DP120NL], our lift trucks are your best industrial companion.

## **Advanced power steering capability**

The forklift truck's full hydrostatic power steering system augments the operator's steering effort needed, making it light for turning or maneuvering the truck.

## **Ergonomic steering wheel design**

The steering wheel maximises operator comfort by incorporating a smaller diameter to improve the driving experience.

## **Smart levers for safety and efficiency**

The electrically-controlled direction change lever comes equipped with a neutral safety lock device. With this, engines cannot start when the directional lever is locked in forward or reverse positions. Self-cancelling mechanisms are also built into our combined type switch lever so that operators need not return turn signal levers to neutral. These features help operators focus on their tasks, improving safety and efficiency.



## **Full display instrument panel**

The integrated instrument panel combines function with efficiency. Its intuitive display features the most essential dial meters to give operators full visibility of the truck's electrical, and mechanical conditions.



## PILLARLESS CABIN FOR WIDE VISIBILITY EQUIPPED WITH AIR CONDITIONING (OPTIONAL)



Our meticulously designed pillarless cabin provides wider visibility for both front and rear views. A wide view cabin immediately reduces the risks of accidents by eliminating operator blind spots. Cargo handling applications will become safer and operators can perform lifting and travelling applications with confidence.

Large capacity air conditioners maximise operator comfort, especially under the hot tropical sun. Reaching up to 4000kcal/h, operators will never have to break a sweat no matter how demanding the tasks are.

## FULLY ADJUSTABLE OPERATOR SEAT

Moreover, our deluxe suspension seat is the ultimate comfort option for operators. Fully adjustable and sliding functions ensure that operators can adjust the suspension and angle of their seats to remain comfortable throughout the day.

To make it even better, a swivel function is incorporated to enhance the comfort level. Common regular movements like getting on and off the seat is absolutely effortless. Checking the rearward visibility is just as easy.

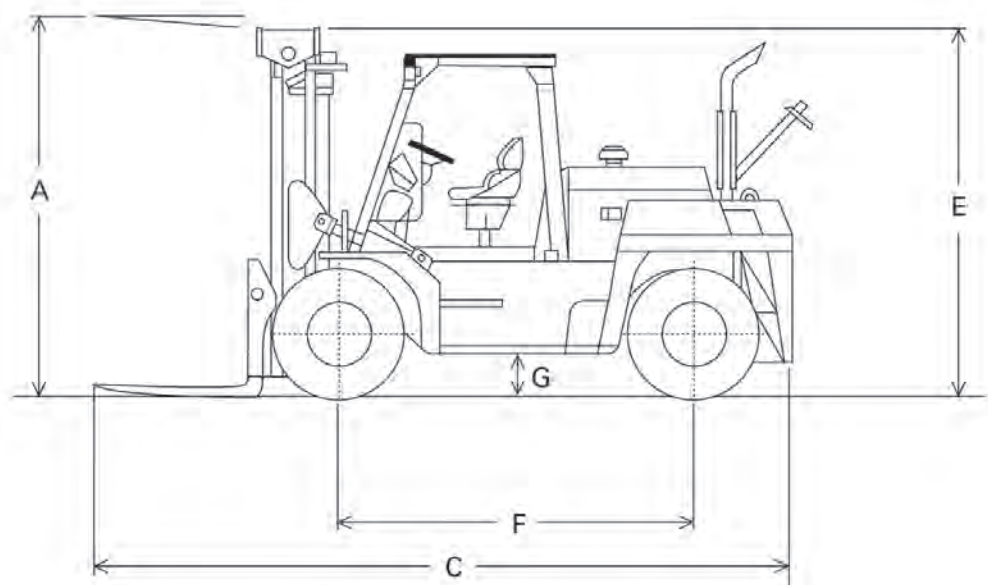
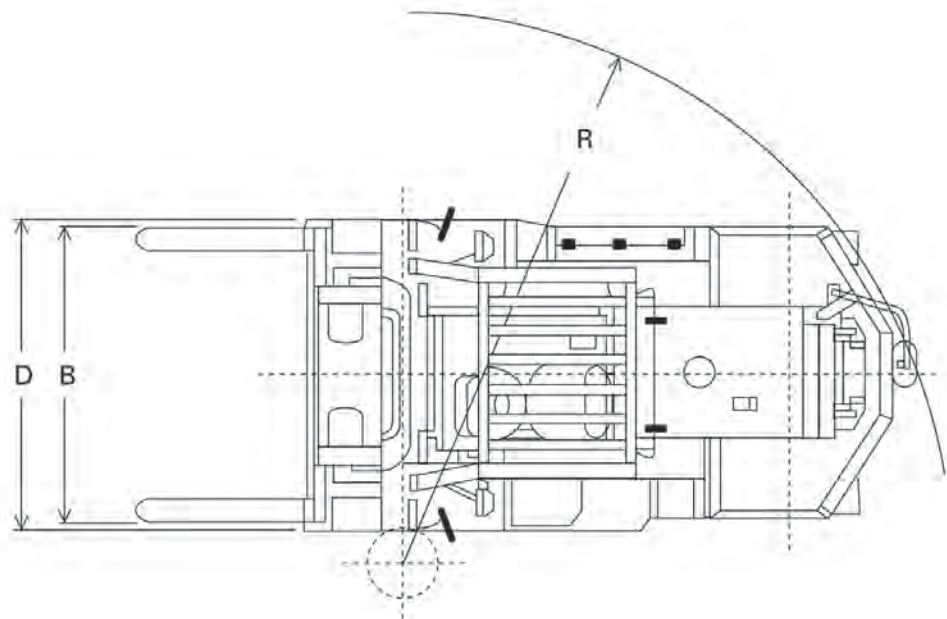


# SPECIFICATIONS

| Performance           |                                   |                                 |            |   | Internal Combustion Pneumatic                                     |                                   |                                   |                                    |
|-----------------------|-----------------------------------|---------------------------------|------------|---|-------------------------------------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
|                       | Model                             |                                 |            |   | DP100NL                                                           | DP115NL                           | DP120NL                           | DP135NL                            |
|                       | Load capacity                     |                                 | kg (lbs)   |   | 10000 (22000)                                                     | 11500 (25500)                     | 12000 (26500)                     | 13500 (30000)                      |
|                       | Load center                       |                                 | mm (in)    |   | 600 (24)                                                          | 600 (24)                          | 600 (24)                          | 600 (24)                           |
|                       | Maximum fork height               |                                 | mm (in)    | A | 3000 (118.1)                                                      | 3000 (118.1)                      | 3000 (118.1)                      | 3000 (118.1)                       |
|                       | Lifting speed                     | : with load                     | mm/s (fpm) |   | 460 (90.5)                                                        | 450 (88.6)                        | 450 (88.6)                        | 350 (68.9)                         |
|                       | Mast tilt angle                   | : forward / backward            | deg        |   | 6 / 12                                                            | 6 / 12                            | 6 / 12                            | 6 / 12                             |
|                       | Max. Travel speed                 |                                 | km/h (mph) |   | 34 (21.1)                                                         | 34 (21.1)                         | 34 (21.1)                         | 34 (21.1)                          |
|                       | Lateral fork adjustment (outside) |                                 | mm (in)    | B | 400 ~ 2140 (15.7~84.3)                                            | 400 ~ 2140 (15.7~84.3)            | 400 ~ 2140 (15.7~84.3)            | 470 ~ 2210 (18.5~87.0)             |
|                       | Turning radius (outside)          |                                 | mm (in)    | R | 4000 (157.5)                                                      | 4000 (157.5)                      | 4000 (157.5)                      | 4300 (169.3)                       |
|                       | Gradeability                      | : with load (1.6km/h)           | %          |   | 47                                                                | 39                                | 38                                | 33                                 |
| Dimensions & Weight   | Overall length                    | : with fork                     | mm (in)    | C | 5490 (216.1)                                                      | 5505 (216.7)                      | 5505 (216.7)                      | 5775 (227.4)                       |
|                       |                                   | : without fork                  | mm (in)    |   | 4285 (168.7)                                                      | 4285 (168.7)                      | 4285 (168.7)                      | 4545 (178.9)                       |
|                       | Fork size                         | : L x W x T                     | mm (in)    |   | 1220 x 180 x 75 (48.0 x 7.1 x 3.0)                                | 1220 x 180 x90 (48.0 x 7.1 x 3.5) | 1220 x 180 x90 (48.0 x 7.1 x 3.5) | 1220 x 200 x 85 (48.0 x 7.9 x 3.3) |
|                       | Overall width                     |                                 | mm (in)    | D | 2240 (88.2)                                                       | 2280 (89.8)                       | 2280 (89.8)                       | 2360 (92.9)                        |
|                       | Overall height                    | : mast                          | mm (in)    | E | 2895 (114.0)                                                      | 2915 (114.8)                      | 2915 (114.8)                      | 3150 (124.0)                       |
|                       |                                   | : overhead guard                | mm (in)    |   | 2740 (107.9)                                                      | 2755 (108.5)                      | 2755 (108.5)                      | 2775 (109.3)                       |
|                       | Wheelbase                         |                                 | mm (in)    | F | 2800 (110.2)                                                      | 2800 (110.2)                      | 2800 (110.2)                      | 3100 (122.0)                       |
|                       | Ground clearance                  |                                 | mm (in)    | G | 255 (10.0)                                                        | 275 (10.8)                        | 270 (10.6)                        | 255 (10.0)                         |
|                       | Total weight                      |                                 | kg (lbs)   |   | 13250 (29211)                                                     | 14370 (31680)                     | 14680 (32364)                     | 15900 (35060)                      |
| Engine & Transmission | Internal combustion engine        | : model                         |            |   | ISUZU 6BG1T Diesel Engine                                         |                                   |                                   |                                    |
|                       |                                   | : piston displacement           | lit. (in³) |   | 6.494 (396.3)                                                     |                                   |                                   |                                    |
|                       |                                   | : rated output / engine speed   |            |   | 114kW (155PS) / 2000r.p.m. (SAE GROSS 117kW (157HP) / 2000r.p.m.) |                                   |                                   |                                    |
|                       |                                   | : maximum torque / engine speed |            |   | 537N.m (54.8kgf.m) / 1800r.p.m.                                   |                                   |                                   |                                    |
|                       | Transmission                      | : type                          |            |   | Automatic power-shift transmission                                |                                   |                                   |                                    |
|                       |                                   | : number of speeds              |            |   | 3 - 3 (Fwd / Rvs)                                                 |                                   |                                   |                                    |
| Tire & Brake          | Tire size                         |                                 |            |   | 9.00-20-14PR                                                      | 10.00-20-16PR                     | 10.00-20-16PR                     | 11.00-20-16PR                      |
|                       | Brake                             | : service                       |            |   | Air-over-hydraulic internal expansion                             |                                   |                                   |                                    |
|                       |                                   | : parking                       |            |   | Built in transmission, wet multiple disc brake                    |                                   |                                   |                                    |
|                       | Steering system                   |                                 |            |   | Full hydrostatic power steering                                   |                                   |                                   |                                    |

**DP100-160(S)NL**

| Tyre Trucks                           |                                       |
|---------------------------------------|---------------------------------------|
| DP150SNL                              | DP160SNL                              |
| 15000 (33000)                         | 16000 (35000)                         |
| 600 (24)                              | 600 (24)                              |
| 3000 (118.1)                          | 3000 (118.1)                          |
| 340 (66.9)                            | 340 (66.9)                            |
| 6 / 12                                | 6 / 12                                |
| 34 (21.1)                             | 34 (21.1)                             |
| 470 ~ 2210<br>(18.5~87.0)             | 470 ~ 2210<br>(18.5~87.0)             |
| 4300 (169.3)                          | 4450 (175.2)                          |
| 30                                    | 29                                    |
| 5775 (227.4)                          | 5920 (233.1)                          |
| 4545 (178.9)                          | 4685 (184.4)                          |
| 1220 x 200 x 85<br>(48.0 x 7.9 x 3.3) | 1220 x 200 x 90<br>(48.0 x 7.9 x 3.5) |
| 2360 (92.9)                           | 2360 (92.9)                           |
| 3150 (124.0)                          | 3150 (124.0)                          |
| 2775 (109.3)                          | 2775 (109.3)                          |
| 3100 (122.0)                          | 3100 (122.0)                          |
| 255 (10.0)                            | 255 (10.0)                            |
| 16750 (36927)                         | 17110 (37721)                         |
|                                       |                                       |
|                                       |                                       |
|                                       |                                       |
| 11.00-20-16PR                         | 11.00-20-18PR                         |
|                                       |                                       |





Cat lift truck offers a complete range of durable lift trucks, from gasoline, LPG, diesel-powered and electric counterbalance lift trucks to warehouse equipment designed to handle your toughest applications. We know you demand uncompromising quality from lift trucks that maximize uptime and get the job done efficiently. Our rugged machines deliver day after day by providing you with all the life-cycle cost of ownership benefits you've come to expect from Cat lift trucks.

**LET'S DO THE WORK.™**

**TOTAL MACHINE  
SATISFACTION.**



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