



# POWER, REDEFINED

**10,000 - 15,000 KG. CAPACITY**  
**INTERNAL COMBUSTION**  
**PNEUMATIC TIRE LIFT TRUCK**

# TRUE STRENGTH, COMES FROM THE INSIDE

## Built With Your Business In Mind

The Cat® DP100NM-DP150NM pneumatic tire lift truck series provides optimum power and reliability to tackle the toughest material handling applications. Equipped with a high-performance 6D16 7.5L engine, this series offers a level of productivity that makes it a valued asset to your business.

### KEY APPLICATIONS:

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

### ADVANTAGES TO YOU:

- 10,000-15,000 kg. lift capacities
- Controlled, yet powerful acceleration maximizes productivity.
- 500-hour extended service intervals for less maintenance and reduced downtime.
- World-class service and support is provided by the best dealer network in the industry.



#### High-performance engine

The 6D16 7.5L turbo in-line, 6-cylinder diesel engine provides optimum productivity



#### Solid steel frame

More steel in the frame for added strength



#### 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 truck to perform in rugged environments



## Ready To Work

Equipped with a powerful six-cylinder engine, the Cat DP100NM-DP150NM 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 6D16 7.5L turbo, in-line six-cylinder, diesel engine providing superior performance – shift after shift.

#### Benefits:

- Low-speed torque helps provide controlled, yet powerful acceleration for maximum productivity.
- Turbocharger delivers rapid response and a better driving experience for your operators.

### THREE-SPEED POWERSHIFT TRANSMISSION

The drivetrain of the DP100NM-DP150NM is equipped with an automatic transmission that directly converts the power of the engine to torque. With three forward and three reverse speeds, these lift trucks provide the power you need to perform in rugged applications.

### 500-HOUR SERVICE INTERVALS

Having your lift truck up and running is critical to keeping your business moving. With 500-hour service intervals, display-based indicators and easy access to service components, you can count on maximizing uptime and lowering maintenance costs with these lift trucks.

- **Greater uptime** – longer service intervals mean longer run times and more overall productivity.
- **More savings** – minimizing the number of service intervals results in a lower total cost of ownership to keep your lift truck performing at its best.



# LONG-TERM POWER



### QUALITY NEVER QUILTS

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

# COMFORT OVER THE LONG HAUL



## EXCEPTIONAL COMFORT

The full-suspension standard vinyl seat allows adjustment in numerous places to provide the operator with a comfortable ride.

- **Front and back adjustment** – slides up to 6.5 inches for operators of various heights
- **Suspension adjustment** – adds support in the seat based on the weight of the operator
- **Lumbar support adjustment** – supports the operator's lower back
- **Fold down pin** – allows the seat to easily move for access to the engine hood

The DP100NM-DP150NM series is equipped with essential features for optimum operator comfort and control. Premium ergonomics and a smooth, controlled ride come together to help your operators achieve maximum productivity – shift after shift.



## MORE COMFORT

Minimizing noise and vibration levels will keep the operator as comfortable as possible with the goal of increasing efficiency while decreasing overall fatigue.

Less vibration and noise is achieved through the use of:

- Rubber mounted components
- Fully-insulated engine hood
- Helical transmission gears
- Closed wheel wells

## MORE CONTROL

Optional fingertip controls are located in the armrest for easy operator access and control throughout the shift. This provides maximum control of the lift truck's hydraulic functions with minimal effort, and helps reduce operator fatigue throughout the shift.

## CAB OPTIONS

This lift truck can be equipped with three cab options for added operator protection from the elements. Package options include windshields to side doors, depending on your specific application.

## 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.
- **Electronic direction control** – allows the operator to easily shift between forward and reverse travel without losing contact with the steering wheel, resulting in smooth direction changes up to 4.0 km/h.
- **Pneumatic tires** – provide traction and a comfortable ride in rugged environments. The standard dual drive tires offer added stability while handling loads up to 15,000 kgs.

\*Optional cloth seat shown in photography.



**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.

**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 DP100NM-DP150NM 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.



**Electronic Backup Alarm**

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



**Panoramic Mirrors**

These mirrors are counterweight-mounted, offering added visibility during operation.



**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.

**SECURITY FEATURES**

Dedicated to your security from the moment you get on the lift truck to the end of the shift, the DP100NM-DP150NM series offers these standard features:

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



Local service and support



Genuine OEM parts



Custom financing packages



Factory warranty for added protection

# MORE CONFIDENCE

## 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.

### 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.

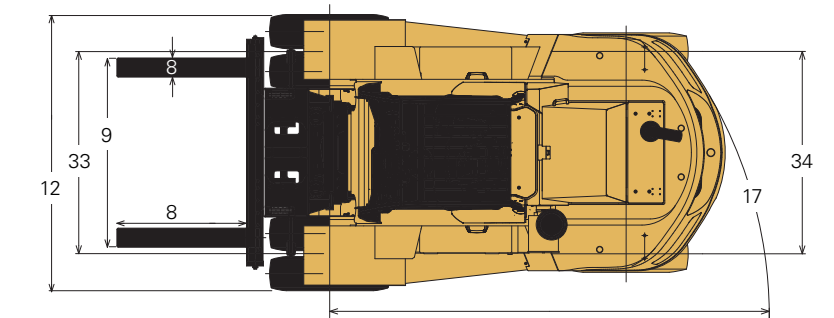
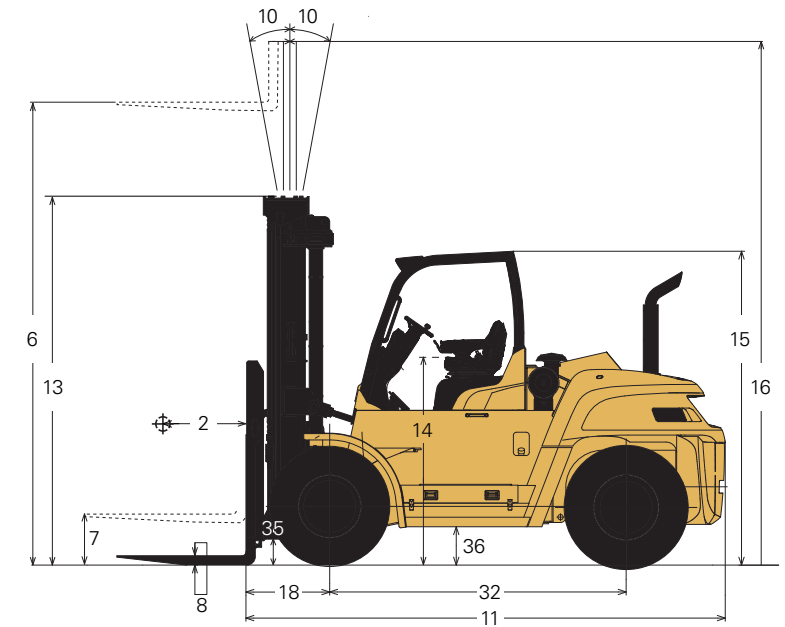
Specifications

Characteristics			DP100NM		DP120NM		DP135NM		DP150NM	
1	Capacity at rated load center	lb kg	22,000	10,000	26,500	12,000	30,000	13,500	33,000	15,000
2	Capacity at load center – distance	in mm	24	600	24	600	24	600	24	600
3	Power – electric, diesel, gasoline or LP gas		Diesel		Diesel		Diesel		Diesel	
4	Tire type – cushion or pneumatic		pneumatic		pneumatic		pneumatic		pneumatic	
5	Wheels (x=driven) – number front / rear		4x / 2		4x / 2		4x / 2		4x / 2	
Dimensions			DP100NM		DP120NM		DP135NM		DP150NM	
6	Maximum fork height (top of fork) <sup>1)</sup>	in mm	121	3,072	121	3,079	121.5	3,088	121.5	3,088
7	Free fork height <sup>1)</sup>	in mm	2.8	72	3.1	79	3.5	88	3.5	88
8	Forks – thickness x length x width <sup>1)</sup>	in mm	2.8x48.0x7.1	72x1,220x180	3.1x48.0x7.1	79x1,220x180	3.5x48.0x7.1	88x1,220x180	3.5x48.0x7.1	88x1,220x180
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	18.7 / 89.0	475 / 2,260
10	Tilt – forward / backward	deg	15° / 12°		15° / 12°		15° / 12°		15° / 12°	
11	Length to fork face	in mm	170	4,310	173	4,390	179	4,535	191	4,840
12	Width – with dual drive tires	in mm	99	2,515	99	2,515	103	2,605	103	2,605
13	Height – with lowered mast <sup>1)</sup>	in mm	121.5	3,087	121.5	3,087	131.5	3,332	131.5	3,330
14	Seat height to SIP	in mm	75.4	1,915	75.4	1,915	77.2	1,960	77.2	1,960
15	Height – to top of overhead guard	in mm	119	3,015	119	3,020	121	3,060	121	3,060
16	Height – with extended mast <sup>1)</sup>	in mm	177	4,486	177	4,486	194	4,927	194	4,927
17	Minimum outside turning radius	in mm	157	4,000	160	4,060	164	4,160	179	4,550
18	Load moment constant	in mm	30.3	770	30.7	780	31.5	800	31.7	805
19	Minimum aisle – 90° stack – zero clearance without a load	in mm	188	4,770	191	4,840	195	4,960	211	5,355
Performance			DP100NM		DP120NM		DP135NM		DP150NM	
20	Travel speed – loaded / empty	mph km/h	15.2 / 18.6	24.5 / 30.0	14.0 / 18.3	22.5 / 29.5	13.0 / 18.6	21.0 / 30.0	12.1 / 18.3	19.5 / 29.5
21	Lift speed – loaded / empty	fpm m/s	90.6 / 98.4	0.46 / 0.50	76.8 / 0.50	0.39 / 0.50	66.9 / 82.7	0.34 / 0.42	65.0 / 82.7	0.33 / 0.42
22	Lowering speed – loaded / empty	fpm m/s	90.6 / 98.4	0.46 / 0.50	90.6 / 98.4	0.46 / 0.50	94.5 / 82.7	0.48 / 0.42	94.5 / 82.7	0.48 / 0.42
23	Drawbar pull – loaded at 1 mph (1.6 km)	lb N	16,410	73,000	16,410	73,000	15,060	67,000	15,060	67,000
24	Drawbar pull – loaded maximum	lb N	23,830	106,000	23,830	106,000	21,580	96,000	21,580	96,000
25	Gradeability – loaded at 1 mph (1.6 km)	%	31.9		27.7		22.8		21.3	
26	Gradeability – maximum loaded	%	42.1		42.3		33.2		31.0	
Weight			DP100NM		DP120NM		DP135NM		DP150NM	
27	Empty	lb kg	32,080	14,550	34,830	15,800	38,430	17,430	39,600	17,960
28	Axle load – with rated load front / rear	lb kg	48,760 / 5,320	22,120 / 2,430	55,365 / 5,965	25,095 / 2,705	61,745 / 6,685	27,910 / 3,020	65,950 / 6,650	29,920 / 3,040
29	Axle load – without load front / rear	lb kg	15,940 / 16,140	7,230 / 7,320	15,870 / 18,960	7,200 / 8,600	16,920 / 21,510	7,675 / 9,755	17,905 / 21,695	8,120 / 9,840
Chassis			DP100NM		DP120NM		DP135NM		DP150NM	
30	Tire size – front, standard duals	in	10-20-14PR		10-20-16PR		12-20-18PR		12-20-18PR	
31	Tire size – rear tires	in	10-20-14PR		10-20-16PR		12-20-18PR		12-20-18PR	
32	Wheelbase	in mm	110	2,800	110	2,800	110	2,800	122	3,100
33	Tread width – front, standard duals	in mm	74.8	1,900	74.8	1,900	75	1,905	75	1,905
34	Tread width – rear tires	in mm	77.4	1,965	77.4	1,965	75.8	1,925	75.8	1,925
35	Ground clearance – at lowest point at mast	in mm	10.2	260	10.2	260	12.0	305	11.8	300
36	Ground clearance – at center of wheelbase	in mm	12.2	310	12.2	310	14	355	14	355
37	Service brake		air over hydraulic power brakes		air over hydraulic power brakes		air over hydraulic power brakes		air over hydraulic power brakes	
38	Parking brake		hand, mechanical		hand, mechanical		hand, mechanical		hand, mechanical	
Powertrain			DP100NM		DP120NM		DP135NM		DP150NM	
39	Engine model		Mitsubishi Fuso 6D16-TL		Mitsubishi Fuso 6D16-TL		Mitsubishi Fuso 6D16-TL		Mitsubishi Fuso 6D16-TL	
40	Engine – continuous output S.A.E. gross	HP kW	134	100	134	100	134	100	134	100
41		at rpm	2,200		2,200		2,200		2,200	
42	Engine – maximum torque S.A.E. gross	lb-ft N-m	361	490	361	490	361	490	361	490
43		at rpm	1,200		1,200		1,200		1,200	
44	Cylinder / displacement	cu in L	6 / 460.0	6 / 75	6 / 460.0	6 / 75	6 / 460.0	6 / 75	6 / 460.0	6 / 75
45	Transmission – type		powershift		powershift		powershift		powershift	
46	Transmission – number of speeds forward / reverse		3 / 3		3 / 3		3 / 3		3 / 3	
47	Battery	volts	24		24		24		24	
48	Relief pressure for attachments	psi bar	2,990	206	2,990	206	2,990	206	2,990	206
49	Noise level – mean value at operator's ear Leq	dB(A)	84.9		84.9		84.9		84.9	

1) Listed heights with selected fork. Optional forks may slightly change height.

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.

DP100NM-DP150NM



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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