



# POWER, REDEFINED

**10.0 – 23.0 TON CAPACITY  
INTERNAL COMBUSTION  
PNEUMATIC TIRE LIFT TRUCK**

**CAT<sup>®</sup>**

# TRUE STRENGTH, EXTREME DURABILITY

## Built With Your Business In Mind

The Cat® DP100NL - DP230NE pneumatic tire lift truck series provides optimum power and reliability to tackle some of the toughest material handling applications. Equipped with a high-performance 6BG1T 6.5-liter diesel engine, this series offers a level of productivity that makes it a valued asset to your business.

### ADVANTAGES TO YOU:

- 10.0 ton-23.0 ton lift capacities.
- Balanced travel and hydraulic performance to provide a complete package for productivity.
- These Cat large pneumatics are designed to allow operators to handle big jobs with confidence and control.
- World-class service and support is provided by the best dealer network in the industry.

### KEY APPLICATIONS:

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

### Responsive control

The standard 3-speed automatic transmission with performance mode selection switch instantly responds to the operator's commands.



### High-performance engine

The 6BG1T, 6-cylinder diesel engine provides optimum productivity.

### Durability and strength

The wet multi-disc brake system is incorporated into the transmission and enclosed for protection from contamination.



### Solid steel frame

More steel in the frame for added strength.





# QUALITY

## NEVER QUILTS

### Ready To Work

Equipped with a powerful six-cylinder engine, the Cat DP100NL - DP230NE 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 6BG1T, 6-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 DP100NL - DP230NE 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.

- **Electric parking brake**  
Ease of use by soft-touch electric switch

#### UP YOUR RUNTIME

Having your lift truck up and running is critical to keeping your business moving. With 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**  
Standard features like maintenance-free electric parking brake, wet disc brake system and excellent lubrication efficiency keep trucks running when they are supposed to be working. These trucks also feature a double element air filter with sensor and alert in case of clogging.





## EXCELLENT VISIBILITY, MAXIMUM EFFICIENCY

The Cat DP100NL - DP230NE 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 DP100NL - DP230NE series offers these standard features:

- **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..

- **Slip-resistant step plate**

- **28-inch elongated grab bar**

- **Electronic backup alarm**

- **Panoramic mirrors**

**Key Features:**

- When the operator is not in the normal operating position, the PDS electronically discontinues powered-travel movement and deactivates the 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.



# COMFORT FOR THE LONG HAUL

The DP100NL - DP230NE 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.



## Cab Options

The optional steel cabin is designed without pillars, providing a wide range of visibility during both forward and reverse travel. This can not only help reduce obstruction of vision, but can also increase the productivity and speed of operation.



## More Control

The fully hydrostatic power steering system and small diameter steering wheel both contribute to easy maneuvering with minimal effort, to help reduce operator fatigue throughout the shift.



## Exceptional Comfort

The deluxe suspension seat allows for adjustment to provide shift-long comfort for operators of various shapes and sizes.

- Suspension and angle adjustment to position the operator for comfort.
- Standard swivel function provides comfort during prolonged reverse travel.
- Low profile hip restraints help keep the operator in place during operation, but allow for easy entry and exit into the seat.



## More Features

- Hydraulic Performance - excellent lift and lowering speeds to minimize the time needed to handle large capacity loads.
- Full Display Instrument Panel - the automotive style instrument panel gives the operator full visibility of the current status of the truck during operation.
- 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.
- Pneumatic Tires – provide traction and a comfortable ride in rugged environments. The standard dual drive tires offer added stability while handling loads.

## Specifications

Characteristics			DP100NL		DP115NL		DP120NL		DP135NL	
1	Capacity at rated load center	lb kg	22,000	10,000	25,500	11,500	26,500	12,000	30,000	13,500
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		2x / 2		2x / 2		2x / 2		4x / 2	
Dimensions			DP100NL		DP115NL		DP120NL		DP135NL	
6	Maximum fork height (top of fork) <sup>1)</sup>	in mm	118	3,000	118	3,000	118	3,000	118	3,000
7	Free fork height <sup>1)</sup>	in mm	0	0	0	0	0	0	0	0
8	Forks – thickness x length x width <sup>1)</sup>	in mm	2.95 x 48 x 7	75 x 1,220 x 180	3.5 x 48 x 7	90 x 1,220 x 180	3.5 x 48 x 7	90 x 1,220 x 180	3.35 x 48 x 78	85 x 1,220 x 200
10	Tilt – forward / backward	deg	6 / 12		6 / 12		6 / 12		6 / 12	
11	Length to fork face	in mm	168	4,270	169	4,285	169	4,285	179.3	4,555
12	Width – with dual drive tires	in mm	88	2,240	89.8	2,280	89.8	2,280	92.9	2,360
13	Height – with lowered mast <sup>1)</sup>	in mm	114	2,895	114.7	2,915	114.7	2,915	124	3,150
14	Seat height to SIP	in mm	65.4	1,660	66	1,680	66	1,680	66.5	1,690
15	Height – to top of overhead guard	in mm	117.8	2,740	108.5	2,755	108.5	2,755	109	2,770
16	Height – with extended mast <sup>1)</sup>	in mm	173	4,395	173.8	4,415	173.8	4,415	183	4,650
17	Minimum outside turning radius	in mm	158	4,000	158	4,000	158	4,000	169.2	4,300
18	Load moment constant	in mm	28	710	28.5	725	28.5	725	30.1	765
19	Minimum aisle – 90° stack – zero clearance without a load	in mm	132.7	3,370	132.7	3,370	132.7	3,370	139.8	3,550
Performance			DP100NL		DP115NL		DP120NL		DP135NL	
20	Travel speed – loaded / empty	mph km/h	21.2	34	21.2	34	21.2	34	21.2	34
21	Lift speed – loaded / empty	fpm m/s	90.5 / 98.4	0.46 / 0.5	88.6 / 98.4	0.45 / 0.5	88.6 / 98.4	0.45 / 0.5	68.9 / 74.8	0.35 / 0.38
22	Lowering speed – loaded / empty	fpm m/s	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118
23	Drawbar pull – loaded at 1 mph (1.6 km)	lb N	26,977	120,000	25,628	114,000	25,628	114,000	24,729	110,000
25	Gradeability – loaded at 1 mph (1.6 km)	%	47.6		38.5		38.5		33.3	
Weight			DP100NL		DP115NL		DP120NL		DP135NL	
27	Empty	lb kg	29,211	13,250	31,680	14,370	32,364	14,680	35,053	15,900
28	Axle load – with rated load front / rear	lb kg	46,076.6/5,180.8	20,900/2,350	51,323.6/5,710	23,280/2,590	53,043/5,776	24,060/2,620	59,326	26,910
29	Axle load – without load front / rear	lb kg	13,668.6 / 15,542.6	6,200 / 7050	13,933 / 17,747.2	6,320 / 8,050	14,021 / 18,342.5	6,360 / 8,320	16,424.4 / 18,629	7,450 / 8,450
Chassis			DP100NL		DP115NL		DP120NL		DP135NL	
30	Tire size – front, standard duals	in	9.00-20-14PR		10.00-20-16PR		10.00-20-16PR		11.00-20-16PR	
31	Tire size – rear tires	in	9.00-20-14PR		10.00-20-16PR		10.00-20-16PR		11.00-20-16PR	
32	Wheelbase	in mm	110	2,800	110	2,800	110	2,800	122	3,100
33	Tread width – front, standard duals	in mm	65	1,650	65.2	1,655	65.2	1,655	66.7	1,695
34	Tread width – rear tires	in mm	71.7	1,820	71.3	1,810	71.3	1,810	70.7	1,795
35	Ground clearance – at lowest point at mast	in mm	10	255	10.8	275	10.6	270	10	255
36	Ground clearance – at center of wheelbase	in mm	13.6	345	14.4	365	14.4	365	14.8	375
37	Service brake		hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical	
38	Parking brake		foot		foot		foot		foot	
Powertrain			DP100NL		DP115NL		DP120NL		DP135NL	
39	Engine model		ISUZU “BB-6BGI-T”		ISUZU “BB-6BGI-T”		ISUZU “BB-6BGI-T”		ISUZU “BB-6BGI-T”	
40	Engine – continuous output S.A.E. gross	HP kW	153	114	153	114	153	114	153	114
41		at rpm	2,000		2,000		2,000		2,000	
42	Engine – maximum torque S.A.E. gross	lb-ft N-m	396	537	396	537	396	537	396	537
43		at rpm	1,800		1,800		1,800		1,800	
44	Cylinder / displacement	cu in L	396.3	6.5	396.3	6.5	396.3	6.5	396.3	6.5
45	Transmission – type		automatic		automatic		automatic		automatic	
46	Transmission – number of speeds forward / reverse		3 / 3		3 / 3		3 / 3		3 / 3	
47	Battery	volts	2-12		2-12		2-12		2-12	
48	Relief pressure for attachments	psi bar	2,988	206	2,988	206	2,988	206	2,988	206



	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
1	33,000	15,000	35,000	16,000	35,000	16,000	40,000	18,000	44,000	20,000	50,000	23,000
2	24	600	24	600	36	900	36	900	36	900	36	900
3	diesel		diesel		diesel		diesel		diesel		diesel	
4	pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic	
5	4x / 2		4x / 2		4x / 2		4x / 2		4x / 2		4x / 2	
	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
6	118	3,000	118	3,000	118	3,000	118	3,000	118	3,000	118	3,000
7	0	0	0	0	0	0	0	0	0	0	0	0
8	3.35 x 48 x 78 85 x 1,220 x 200		3.5 x 48 x 78 90 x 1,220 x 200		3.5 x 72 x 9.8 90 x 1,830 x 250		3.9 x 72 x 10.2 100 x 1,830 x 260		3.9 x 72 x 10.2 100 x 1,830 x 260		3.85 x 96 x 12 96 x 2,440 x 310	
10	6 / 12		6 / 12		6 / 12		6 / 12		6 / 12		6 / 12	
11	179.3	4,555	185.4	4,710	209	5,325	211	5,365	211	5,365	218	5,545
12	92.9	2,360	92.9	2,360	117	2,970	118	2,990	120	3,060	120	3,060
13	124	3,150	124	3,150	130	3,290	139	3,540	141	3,570	141	3,580
14	66.5	1,690	66.5	1,690	85	2,150	86	2,180	87	2,210	87	2,210
15	109	2,770	109	2,770	126	3,200	127	3,230	128	3,260	128	3,260
16	183	4,650	183	4,650	189	4,790	198	5,040	200	5,070	200	5,080
17	169.2	4,300	175.2	4,450	197	5,000	197	5,000	202	5,150	210	5,350
18	30.1	765	30.3	770								
19	139.8	3,550	145.7	3,700	174	4,430	175	4,460	175	4,460	183	4,650
	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
20	21.2	34	21.2	34	21	34	21	34	21	34	20	32
21	66.9 / 74.8	0.34 / 0.38	66.9 / 74.8	0.34 / 0.38	65 / 78.7	0.33 / 0.40	57 / 61	0.29 / 0.31	56 / 61	0.285 / 0.31	51 / 47	0.26 / 0.247
22	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118	78.7-118 / 78.7-118	0.40-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.40-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6	78.7-118 / 78.7-118	0.4-0.6 / 0.4-0.6
23	24,729	110,000	25,403.4	113,000	27,876	124,000	26,752	119,000	25,403	113,000	25,403	113,000
25	30.3		29.4		24.4		20.4		17.9		15.2	
	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
27	36,927	16,750	37,721	17,110	49,626	22,510	55,203	25,040	60,098	27,260	67,814	30,760
28	64,353	29,190	66,888	30,340	77,109 / 7,868	34,976 / 3,568	85,427 / 9,442	38,749 / 4,283	93,969 / 10,340	42,624 / 4,690	106,558 / 55,404	48,334 / 55,404
29	16,733 / 20,194.3	7,590 / 9,160	16,027.6 / 21,693.5	7,270 / 9,840	24,504 / 25,178	11,114 / 11,420	25,853 / 29,225	11,726 / 13,256	27,650 / 32,373	12,542 / 14,684	30,124 / 37,543	13,664 / 17,029
	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
30	11.00-20-16PR		11.00-20-18PR		12.00-24-18PR		13.00-24-20PR		14.00-24-24PR		14.00-24-24PR	
31	11.00-20-16PR		11.00-20-18PR		12.00-24-18PR		13.00-24-20PR		14.00-24-24PR		14.00-24-24PR	
32	122	3,100	122	3,100	143.7	3,650	143.7	3,650	143.7	3,650	143.7	3,650
33	66.7	1,695	66.7	1,695	86.4	2,195	86.4	2,195	86	2,185	86	2,185
34	70.7	1,795	70.7	1,795	92	2,340	92	2,340	90.5	2,300	90.5	2,300
35	10	255	10	255	11.6	295	10.6	270	11.8	300	11.4	290
36	14.8	375	14.8	375	11.6	295	12.8	325	14	355	14	355
37	hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical		hydraulic / mechanical	
38	foot		foot		foot		foot		foot		foot	
	DP150SNL		DP160SNL		DP160NE		DP180NE		DP200NE		DP230NE	
39	ISUZU "BB-6BGI-T"		ISUZU "BB-6BGI-T"		ISUZU "BB-6BGI-T"		ISUZU "BB-6BGI-T"		ISUZU "BB-6BGI-T"		ISUZU "BB-6BGI-T"	
40	153	114	153	114	167	125	167	125	167	125	167	125
41	2,000		2,000		2,200		2,200		2,200		2,200	
42	396	537	396	537	457	620	457	620	457	620	457	620
43	1,800		1,800		1,800		1,800		1,800		1,800	
44	396.3	6.5	396.3	6.5	396.3	6.5	396.3	6.5	396.3	6.5	396.3	6.5
45	automatic		automatic		automatic		automatic		automatic		automatic	
46	3 / 3		3 / 3		3 / 3		3 / 3		3 / 3		3 / 3	
47	2-12		2-12		2-12		2-12		2-12		2-12	
48	2,988	206	2,988	206	206		206		206		206	



Local service and support

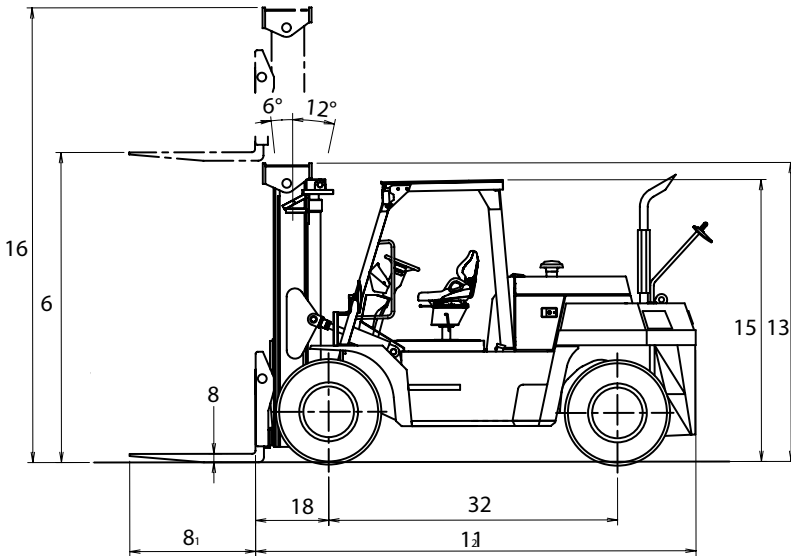
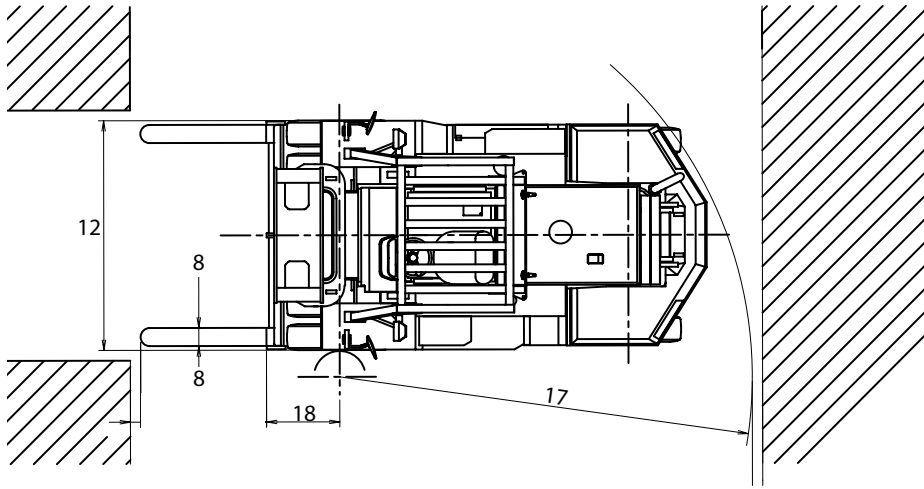


Genuine OEM parts



Custom financing packages

# DP100NL - DP230NE







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.

\* 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.



**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.

**1-800-CAT-LIFT | [www.logisnextamericas.com/cat](http://www.logisnextamericas.com/cat)**

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Some products may be shown with optional equipment.

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