




\*Note : Picture above is for illustration purpose only. Please contact your local dealer for more information.

# Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 4.0 Tons to 5.5 Tons







# DP/GP40N-55N Series

**Packed with productive solutions, an impressive list of standard features includes:**

- Presence Detection System Plus (PDS+)
  - Full-Floating Power Line
  - Mechanical Hydraulic Control System
  - 2-Way Hydraulic Control Valve
  - Full Hydrostatic Steering with Steering Synchronizer
  - 2 Forward Speeds, 1 Reverse Speed Automatic Transmission
  - Easy-to-Read LCD Meter Panel
  - Full Suspension Seat with Safety Belt
  - Overhead Guard
  - Memory Tilt Steering Column
  - Tilt Cylinder
  - Head Lamp
  - Rear Combination Lamp
  - Worldwide Emissions Standards Compliance Engines
  - Speed Limiter (Gasoline Trucks Only)
  - Back-Up Alarm
  - Anti Corrosion Radiator
  - Load Backrest
  - Rear View Mirror
  - Drawbar Pin
  - Non-Slip Floor Mat
  - Front Single, Rear Single Pneumatic Tire
- Options:**
- Low Noise Package
  - Dust Proof Package
  - Clogging Package



Model	Fuel Type	Capacity (kg) @		Engine Displacement (l)
		500mm LC	600mm LC	
DP40N	Diesel	4000	3500	5.0
GP40N	Gas / LP Gas	4000	3500	4.5
DP45N	Diesel	4500	4000	5.0
GP45N	Gas / LP Gas	4500	4000	4.5
DP50CN	Diesel	5000	4500	5.0
GP50CN	Gas / LP Gas	5000	4500	4.5
DP50N	Diesel	–	5000	5.0
GP50N	Gas / LP Gas	–	5000	4.5
DP55N	Diesel	–	5500	5.0
GP55N	Gas / LP Gas	–	5500	4.5



## Comfort And Efficiency

Cat® lift truck operator cabins provide a neat and unobstructed working environment that helps operators perform more efficiently. Well-placed controls and advanced ergonomics work to reduce operator strain and fatigue. Ease of operation pays off with better operator productivity and better workplace safety.

## Smooth Two Speed Transmission & Handling

A new 2-speed forward and 1-speed reverse automatic transmission is now standard. Coupled with a full hydrostatic steering and braking system, this series of improvements ensure that the DP/GP40N-55N series is highly manoeuvrable for even the tightest workplace environment.

## Reduced Noise And Vibration

The new 4.0-5.5 ton N-Series lift trucks are designed with noise and vibration-absorbing mounts for the full-floating power train, which provide for a much quieter and smoother lift truck operator.

## Proactive Safety

An all-new, innovative and advanced safety feature operator Presence Detection System Plus (PDS+) is incorporated into all DP/GP40N-55N series models. When an operator leaves the seat, PDS+ ensures that all lift truck operations are locked and the electrically-controlled parking brake engaged\*. This prevents potential accidents caused by unexpected movement of unmanned lift trucks.

## Fork And Neutral Gear Lock

To help prevent accidents, the fork is automatically locked when the ignition is switched off and remains in position even if the lift lever is inadvertently bumped or moved. A neutral safety lock is also installed to prevent the lift truck from being started if it is left in a gear.

## Soft Landing

This unique feature automatically slows down the forks when approaching the ground, protecting valuable goods from hard drops or shocks.

\* Only for two-stage simplex masts.



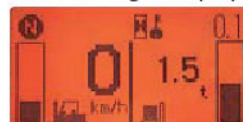
\* Parking brake will only engage when lift truck is on horizontal ground, and it's travel speed is less than 1km/hr.



• Vehicle speed display



• Load weight display



(Optional)

## Vehicle Information At A Glance

To maximise safety, efficiency and a fleet's material handling uptime, an integrated digital display provides easy to read information from travel speed, gross load and other operating parameters. The bright and well-placed LCD monitor easily shows engine, vehicle diagnosis and lift truck operations at a glance.

# IMPROVED PRODUCTIVITY

Get more done, in less time, with a truck that's engineered with all the basics you need.



## Toughened Mast Offers Better Visibility

Newly designed toughened steel mast rails on the DP/GP40N-55N series are extremely strong and resist twisting and bending. Narrow flanges and a tapered fork bars also help provide an operator with a better view forward. Besides the optimum design and positioning of the mast itself, the main mast's cylinder and chain have been placed out of the way for even greater driver vision.

## Tough Base with A Low Center of Gravity

The new 4.0 - 5.5 ton lift trucks are equipped with solid, strengthened frame body with a low centre of gravity. This means they have better durability, performance and enhanced stability when doing extra heavy work or carrying heavy loads.

## Easy and Tool-Free Access

Cat lift trucks have engine covers that are easy to open along with easy-to-remove side panels. Removing these panels is a snap thanks to their tool free design. All maintenance points are strategically placed to allow for quick inspection or easy service.

## Improved Brake Design

A newly designed, easy-maintenance braking system that does not require hub and drum removal is installed as standard equipment. The work, time and cost required for service are substantially reduced when compared to previous models.

## Significant Extension Between Service Intervals

Intervals for the changing of the engine oil has been more than doubled from 200 hours to 500 hours. Extended service intervals not only save time and make a Cat lift truck more productive but they also help lower costs of operation as well.

## More Than A Passing Grade

The highly reliable and powerful diesel S6S engine and the efficient electronically controlled TB45 gasoline engine with three-way catalytic mufflers are used on this new series of Cat lift trucks. These industry-proven engines deliver power yet produce low emissions that meet the latest worldwide standards. They are built to perform, without compromise.

## Saving Energy With Fewer Emissions

"Power / Soft Mode Switch" \* a standard feature for gasoline trucks enables the change between power or ecology operation depending on conditions. Selecting the ecology mode means that CO<sub>2</sub> emissions are decreased by an eco-friendly 13 percent.

### Oil change cycle (with Cat lift trucks recommended engine oil).

Conventional vehicle	—	200 hours
New 4.0 - 5.5 ton series	—	500 hours*

\*Depends on diesel quality sulphur content





### Professionals You Can Depend On

Cat lift truck dealers are unsurpassed, delivering superior customer service that sets them apart from the competition — before, during and after the sale. Cat dealers make available leading support programs with every new Cat lift truck you purchase, including:

- Genuine Cat lift truck OEM parts
- Planned Maintenance
- Rental fleet availability
- Convenient dealer location

### Planned Maintenance

Proper maintenance helps assure top performance over the long haul and helps extend vehicle longevity. That's why every Cat lift truck is backed by experience and reliable dealers who make sure your truck is properly maintained. With Cat lift truck-planned maintenance you won't have to worry about scheduling maintenance or unexpected downtime. Regular planned maintenance calls are scheduled in advance to avoid interference with your company's operating schedules. Experienced Cat lift truck service technicians will regularly perform all periodic maintenance including fluid and lubricant checks when required. Cat lift truck technicians will even identify and fix potential problems before they become major and costly repairs.

### Lift Plus Powertrain Warranty *(Optional)*

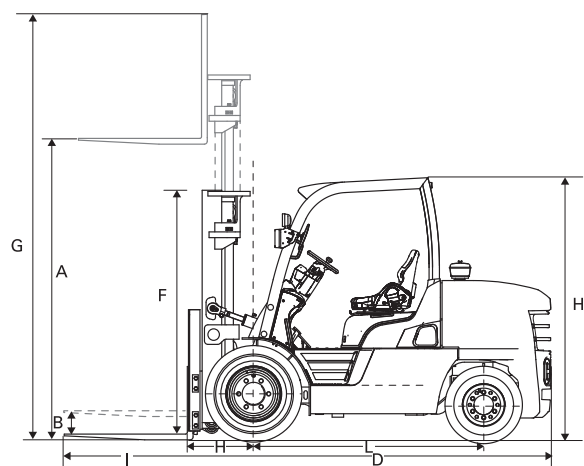
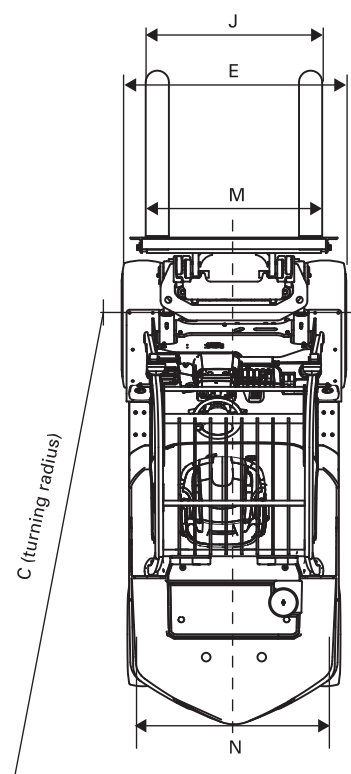
Confidence you can depend on - Cat Lift Trucks are covered by one of the best powertrain warranties in the business. When you choose a Lift Plus warranty for your new Cat lift truck, you're getting long term protection against powertrain component fails, it will be replaced... it's that simple. And all Lift Plus warranty repair uses only genuine Cat lift truck parts.


With Lift Plus warranty, your investment is covered for 3 years, or 5,000 hours, which ever occurs first. if a powertrain failure causes your lift truck to go down, you're covered.

Specifications

CHARACTERISTICS															
1	Type of Truck					DIESEL ENGINE TRUCK									
2	Model					DP40N		DP45N		DP50CN		DP50N	DP55N		
3	Loading Capacity			kg		3500	4000	4000	4500	4500	5000	5000	5500		
4	Load Center			mm		600	500	600	500	600	500	600			
PERFORMANCE															
5	Maximum Fork Height			mm	A	3350						3360			
6	Free Fork Height			mm	B	150						160			
7	Speeds	Lifting	Loaded	mm/s	550				470						
			Unloaded	mm/s	610				530						
		Lowering	Loaded	mm/s										500	
			Unloaded	mm/s										500	
8	Tilt	Mast	Forward	deg										6	
			Backward	deg										12	
9	Speeds	Traveling	Loaded	km/h	21.5			21.0							
			Unloaded	km/h	22.0										
10	Maximum Drawbar Pull	Stall	Loaded	N	37500		36500		37000						
	Drawbar Pull	1.6km/h	Loaded	N	27000				26500				26000		
11	Maximum Gradeability	stationary on slope	Loaded	%	44.9	42.5	39.4	37.4	35.5	33.9	32.3	30.1			
	Gradeability	at 1.6km/h	Loaded	%	31.1	29.1	28.0	26.4	25.0	23.8	22.6	20.8			
12	Turning Radius			mm	C	2580		2730		2760		2890	2940		
13	Practical Intersecting Aisle Width	Single	with 1220m forks	mm	2320		2395		2415		2470		2495		
14	Practical Aisle for Right Angle Stacking			mm		4370		4530		4560		4710	4760		
DIMENSIONS															
15	Overall Length to Fork Face			mm	D	3000		3130		3170		3310	3360		
16	Width	with Standard Tires		mm	E	1415		1460							
		with Normal duals (Optional)		mm										1780	
		with Special Duals (Optional)		mm										1965	
17	Height	with Lowered Mast		mm	F	2320				2400					
		with Extended Mast (with Backrest)		mm	G	4570				4590					
		to Top of Overhead Guard		mm	H									2250	
18	Forks (Thickness x Width x Length)			mm	I	50x150x1220						60x150x1220			
19	Fork Spread (Out-to-Out Minimum / Maximum)			mm	J									300-1190	
20	Front Overhang (Center of Front Axle to Fork Face)			mm	K	577			582			602			
21	Wheelbase			mm	L	1850		2000			2150				
	Tread Width	Front, standard tires		mm	M									1175	
Front, Normal duals (Optional)			mm									1310			
Front, special duals (Optional)			mm									1445			
Rear Tires			mm	N									1180		
23	Ground Clearance			mm										150	
	at Center of Wheelbase			mm										227	
24	Tire Size	Size Front, standard				8.25-15-14-PR		300-15-18PR							
		Size Front, Normal dual (Optional)				7.50-16-12PR				NA					
		Size Front, special dual (Optional)											8.25-15-12PR		
		Rear Tires				7.00-12-12PR							7.00-12-14PR		
WEIGHT															
25	Machine Weight	Powershift (standard)		kg		5920		6330		6850		7300	7640		
		Powershift (optional dual)		kg		6050		6420		6930		7390	7720		
		Powershift (special dual)		kg		6120		6490		7000		7460	7790		
BRAKE															
26	Service Brake Type													Hydraulic	
27	Parking Brake Type													Hydraulic	
POWERTRAIN															
28	Engine	Model				S6S									
		Max. Rated Power / rpm to DIN 70020		Kw/rpm		57.5 / 2300									
		Max. Rated Torque / rpm to DIN 70020		Nm/rpm		260 / 1700									
		Displacement		cc		4996									
		Fuel Tank Capacity		ℓ		87		105							
29	Transmission	Type				ATM (TORQUE CONVERTER)									
	Number of Speed	Forward												2	
		Backward												1	
30	Relief Pressure	For Attachments		Mpa										19.1	

GASOLINE ENGINE TRUCK							
GP40N		GP45N		GP50CN		GP50N	GP55N
3500	4000	4000	4500	4500	5000	5000	5500
600	500	600	500	600	500	600	
3350						3360	
150						160	
570				490			
600				520			
22.0						21.5	
22.5							
38500		37500					
28000		27500				27000	
45.8	43.3	40.2	38.1	36.2	34.6	33.0	30.7
32.0	30.1	28.9	27.2	25.9	24.5	23.3	21.5
2580		2730		2760		2890	2940
2320		2395		2415		2470	2495
4370		4530		4560		4710	4760
3000		3130		3170		3310	3360
1415		1460					
2320				2400			
4570						4590	
50x150x1220						60x150x1220	
577				582		602	
1850		2000				2150	
8.25–15–14–PR		300–15–18PR					
7.50–12–12PR						NA	
7.00–12–12PR							7.00–12–14PR
5860		6270		6780		7240	7570
5980		6350		6870		7320	7660
6060		6430		6940		7400	7730
GK45							
(GAS) 63.9 / 2450							
(LPG) 72.1 / 2450							
(GAS) 265 / 1600							
(LPG) 288 / 1600							
4452							
87		105					





Cat Lift Trucks offer 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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