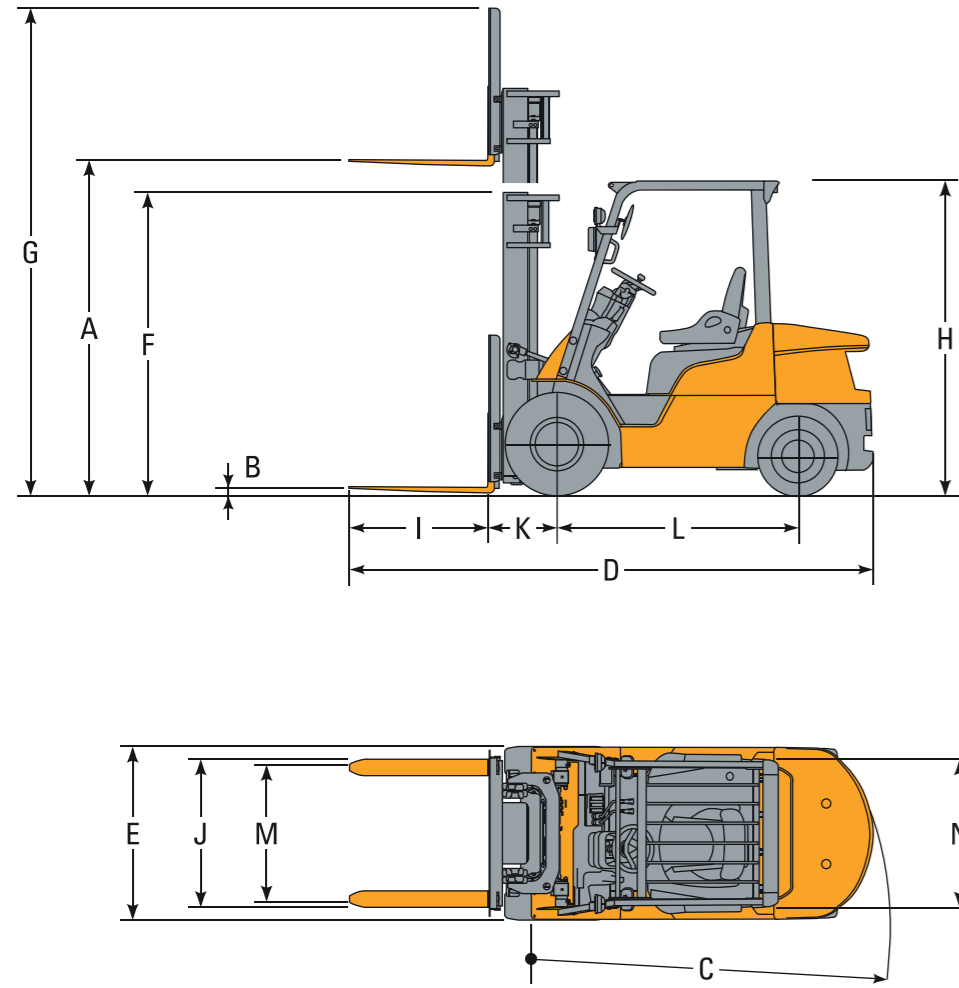


Call-out reference shown in the diagram correspond to the fourth column of the specifications chart.



**Optional Attachments**

1	Side shifter	2	Hinged fork	3	Fork positioner	4	Rotating fork
5	Rotating roll clamp	6	Load stabilizer	7	Bale clamp	8 Others:	
						<p>Attachments meeting your specific requirements are available. Please feel free to contact your local dealer.</p>	



Quality      Reliability      Customer Service

# Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 1.5 - 3.5 ton



**nash**  
**PLANT GROUP**  
*Sales & Hire*  
 1300 627 474

## Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 1.5 - 3.5 ton

[www.catliftruck.com.sg](http://www.catliftruck.com.sg)

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 FCAT0087-03      10/11





Our 1.5-3.5 ton capacity pneumatic tire lift trucks have an engineered design that delivers top horsepower and performance that makes for exceptional productivity.

# DP/GP(E)15-35N Series

Whether it's handling industrial materials or shipping products on a tight schedule, our internal combustion pneumatic tire lift trucks work long and hard to get the job done.

Every Cat® lift truck model in this series meets or exceeds stringent U.S. Environmental Protection Agency (EPA) standards for reducing carbon monoxide (CO), hydrocarbons (HC) and nitrogen oxide (NOx) emissions, while delivering the power needed for heavy-duty performance. Operator comfort features, including a full suspension seat, are standard. There are also many high-performance packages available that can tailor a Cat lift truck to specific application requirements. From the manufacturing headquarters in Sagami-hara, Japan, using ISO 14001 certified and independently audited quality control procedures, Cat lift trucks provide excellent long-term value and come with turnkey support from the industry's most trusted dealer network.

Model	Fuel Type	Capacity (kg) @ 500mm LC	Engine Displacement (l) Normal / Z engine
DP15N	Diesel	1500	2.5
GP(E)15(Z)N*	Gas / LP Gas	1500	1.5 / 2.1
DP18N	Diesel	1750	2.5
GP(E)18(Z)N*	Gas / LP Gas	1750	1.5 / 2.1
DP20CN	Diesel	2000	2.5
DP20N	Diesel	2000	3.3
GP(E)20(Z)N	Gas / LP Gas	2000	2.1 / 2.5
GP(E)20CN	Gas / LP Gas	2000	2.1
DP25N	Diesel	2500	3.3
GP(E)25(Z)N	Gas / LP Gas	2500	2.1 / 2.5
DP30N	Diesel	3000	3.3
GP(E)30N	Gas / LP Gas	3000	2.5
DP35N	Diesel	3500	3.3
GP(E)35N	Gas / LP Gas	3500	2.5

\* GPE15ZN and GPE18ZN are not available





Heavy-duty jobs require heavy-duty machinery. Cat lift trucks are built for rugged applications. However, with all that power Cat lift trucks makes sure operator comfort doesn't take a back seat.

## Operator Efficiency And Comfort

A clean, unobstructed work environment enables the operator to perform more efficiently. A generous floor area enhances operator mobility and comfort. The open-step entry with slip-resistant steel plates and an easy-to-reach elongated grab bar help make getting in and out of the cab easy.

## Added Operator Protection

The advanced Cat lift trucks operator Presence Detection System (PDS) helps keep the operator informed about systems onboard. The System also detects when an operator leaves their seat and does the following:

- Disengages the transmission
- Disconnects power from hydraulic lift and tilt functions
- Sounds alarm if the operator has not applied the parking brake

When an operator returns to the normal seated position, the seat belt warning LED lights up on the meter panel as a reminder to fasten the seat belt.



## Quiet & Smooth Transmission

To reduce noise and vibration, the transmission uses helical gears and a full-floating power train that helps isolate the engine and transmission from the frame and operator compartment. In addition, a hydraulic accumulator promotes smooth starts and direction changes, providing better operator efficiency while minimizing jolts and vibrations.



## Full-Suspension Seat & Tilt Steering

It's a fact: Comfort increases productivity. A full-suspension seat allows an operator to move in just about any direction, with forward, back, weight and lumbar adjustments. The supportive design promotes comfort by resisting shock and vibration. A tilt steering feature offers infinite adjustability within a 12-degree range of movement to comfortably accommodate almost any operator. A separate lever moves the column fully forward to provide easy access to the engine compartment. Afterwards, the steering system's memory recall will automatically return the column to the operator's preferred position.



## Integrated Digital Monitors

In the cab digital displays are used to provide easier monitoring of systems and controls. The digital panel illuminates when the ignition is switched on allowing speed, \*load weight and system monitors to be checked at a glance.

- Vehicle speed display



- Load weight display



\*Optional



Robust engines that run smoothly and quietly. Cat lift trucks include a durable frame, powerful masts with dependable performance and a highly efficient fuel system.

## **Prolonging Equipment Life**

With advanced on-board diagnostics, it's easier than ever to keep a Cat lift truck operating at its peak performance. An on-board diagnostic system controls critical lift truck functions. And troubleshooting the system is easy using a laptop computer.

## **Speed Limiter** *(Optional) Standard on GPE models only*

This feature allows you to customize the maximum travel speed of the truck to meet your application requirements without affecting overall performance. The benefits include reduced risk to pedestrian traffic, lower operating costs, enhanced engine wear protection, as well as reduced risk of damaging loads, racks, trucks and other property.



### Powerful Yet Environmentally Friendly

Cat lift trucks are equipped with powerful fuel-injected gasoline, LP and diesel engines providing the horsepower and torque you need for even the most challenging applications. Our engines are environmentally friendly and meet or exceed EPA requirements. They are also computer regulated to optimize fuel efficiency. If you're looking for exceptional productivity with maximum fuel efficiency, simply engage the Fuel Saver (Soft) Mode. This softens the initial acceleration of the truck and reduces fuel consumption by 14 percent while maintaining 95 percent of the truck's overall productivity.

**Everything on a Cat lift truck is optimized for performance**, including the single-piece, fully cast, drive and steer axles, which protect vital components from damage and contaminants. A unitized frame offers great rigidity for durable performance in tough applications. The drive axle uses a full-floating design to minimize shocks and stresses, easily handling the high loading requirements of the most challenging work environments. A heavy-duty counterweight grill is a standard feature on these trucks.



### Heavy-Duty Mast

Heavy-duty masts are designed and manufactured for lasting, dependable performance. Narrow mast channels and the efficient positioning and routing of chains and hoses help ensure a clear view forward. The truck's low-profile counterweight design provides good visibility to the rear, even with an LP tank in place. The overhead guard cross bar has been eliminated through a design that increases cab strength while improving visibility.



## Customer Service



Cat Lift Trucks is committed to providing industry-leading customer service, delivered by experienced and reliable material handling dealers. Cat Lift Trucks puts its customer's needs first, with one of the most comprehensive customer support programs in the business.



## Dealers You Can Depend On

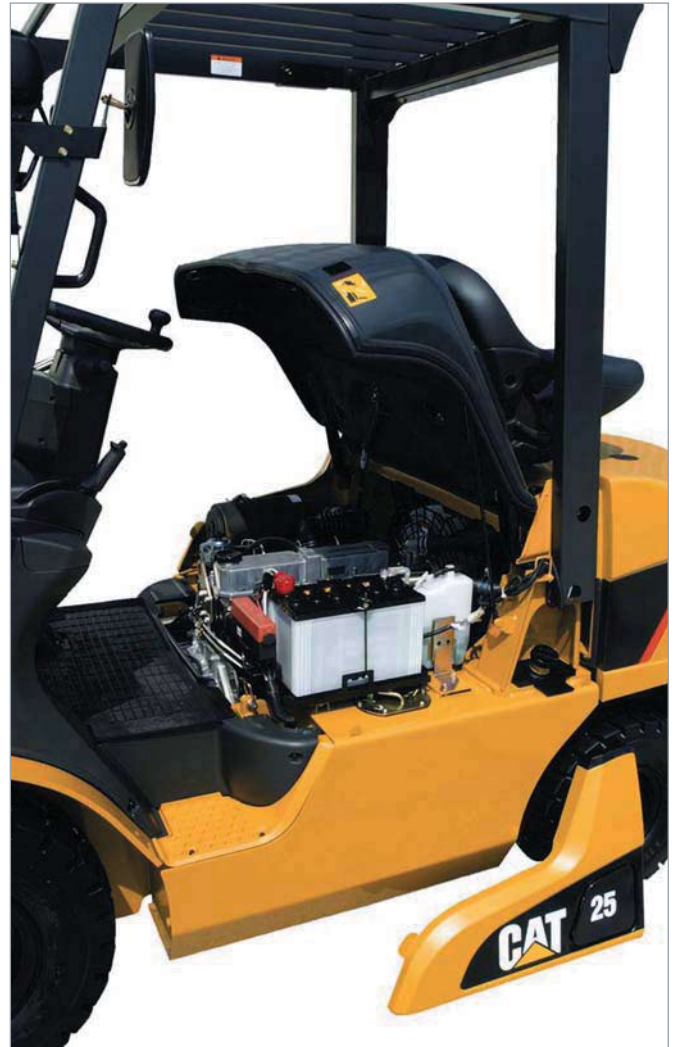
Cat® lift trucks dealers are unsurpassed, delivering superior customer service that sets us apart from the competition — before, during and after the sale.

Our 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 branch locations

## Planned Maintenance

Proper maintenance of your truck helps assure top performance over the long haul and helps extend truck longevity. That's why every Cat® lift truck is backed by experienced 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 operating schedules. Experienced Cat lift trucks service technicians will regularly perform all periodic maintenance including fluid and lubricant check for a predetermined rate. We'll even identify and fix potential problems before they become major difficulties.



## 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 failures, which guarantees that if any major 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, whichever 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											GASOLINE ENGINE TRUCK						ELECTRONICALLY CONTROLLED GASOLINE ENGINE TRUCK												
2 Model		DP15N	DP18N	DP20CN	DP20N	DP25N	DP30N	DP35N	GP15N	GP15ZN	GP18N	GP18ZN	GP20CN	GP20N	GP20ZN	GP25N	GP25ZN	GP30N	GP35N	GPE15N	GPE18N	GPE20CN	GPE20N	GPE20ZN	GPE25N	GPE25ZN	GPE30N	GPE35N			
3 Loading Capacity		kg	1500	1750	2000		2500	3000	3500	1500		1750	2000		2500	3000		3500	1500	1750	2000		2500	3000		3500	3000	3500			
4 Load Center		mm	500		500			500		500			500		500		500		500		500		500		500		500		3000	3500	
PERFORMANCE																															
5 Maximum Fork Height		mm	3000		3000			3000		3000			3000		3000		3000		3000		3000		3000		3000		3000		3000		
6 Free Fork Height		mm	115		120	140		145		115			120	140		145		145		115		120	140		145		145		145		
7 Speeds	Lifting	Loaded	mm/s	630		630			500		420	490	570	490	570	570	520	580	520	580	460	390	630	630	580	640	580	640	510	430	
		Unloaded	mm/s	690		650	660		530	450	560	650	560	650	650	600	660	600	660	530	450	650	650	590	660	590	660	530	440		
	Lowering	Loaded	mm/s	520		520	500		530	420	520			520	500		530	420	520	420	520	520	500		500		530	420			
		Unloaded	mm/s	500		500			500		500			520	500		500	400		500	400	500	520	500		500		500	400		
8 Tilt	Mast	Forward	deg	6		6			6		6			6		6		6		6		6		6		6		6			
		Backward	deg	12		12			12		12			12		12		12		12		12		12		12		12			
9 Speeds	Traveling (Powershift)	Loaded	km/h	19		19			19		19			19		19		19		19		19		19		19		19			
		Unloaded	km/h	19.5		19.5			19.5		19.5			19.5		19.5		19.5		19.5		19.5		19.5		19.5		19.5			
	Traveling (Manual)	Loaded	km/h	19		19			19		19			19		19		19		19		19		19		19		19			
		Unloaded	km/h	19.5		19.5			19.5		19.5			19.5		19.5		19.5		19.5		19.5		19.5		19.5		19.5			
10 Maximum Drawbar Pull	Powershift	Loaded	kgf	1260	1250	1210	1830	1810	1770	1680	1110	1530	1090	1520	1480	1520	1750	1500	1730	1710	1630	1710	1670	1690	1860	1690	1870	1860	1750		
	Manual	Loaded	kgf	1180	1160	1130	1500	1480	1460	1380	960	1280	950	1270	1230	1280	1620	1250	1590	1590	1500	1390	1380	1360	1390	1630	1380	1620	1660	1560	
11 Maximum Gradeability	Powershift	Loaded	%	33	29	25	36	31	25	21	29	41	25	36	31	30	35	25	30	24	20	48	42	36	34	38	29	33	27	22	
	Manual	Loaded	%	30	27	23	29	24	20	17	24	33	22	29	25	25	32	21	27	22	19	38	34	29	28	33	24	28	24	20	
12 Turning Radius	mm	C	1950	1980	2020	2200	2230	2380	2440	1950	1950	1980	1980	2020	2200	2230	2380	2440	1950	1980	2020	2020	2200	2230	2380	2440	1950	1980	2020	2440	
13 Practical Intersecting Aisle Width	mm		2065	2080	2105	2195	2215	2325	2365	2065	2065	2080	2105	2195	2215	2325	2365	2065	2080	2105	2195	2195	2195	2215	2325	2365	2065	2080	2105	2365	
14 Practical Aisle for Right Angle Stacking	mm		3650	3680	3735	3955	3985	4170	4230	3650	3650	3680	3735	3955	3985	4170	4230	3650	3680	3735	3955	3955	3955	3985	4170	4230	3650	3680	3735	4230	
DIMENSIONS																															
15 Overall Length		mm	D	3180	3220	3275	3405	3480	3805	3865	3180	3220	3275	3405	3480	3805	3865	3180	3220	3275	3405	3480	3805	3865	3180	3220	3275	3405	3480	3805	3865
16 Width	with Standard Tires	mm	E	1065	1065	1150		1275	1290	1065			1150		1275	1290	1065		1065	1150			1275	1290	1065		1065	1150		1275	1290
	with Optional Duals	mm		1330	-	1480		1490		1330			1480		1490		1330		-	1480			1490	1490	1330		-	1480		1490	1490
17 Height	with Lowered Mast	mm	F	1990	1990			2015		2130	1990			2015		2130	1990		1990	1990			2015	2130	1990		1990	2015		2130	
	with Extended Mast (with Backrest)	mm	G	4055	4055			4055		4055	4055			4055		4055	4055		4055	4055			4055	4055	4055		4055	4055		4055	
	to Top of Overhead Guard	mm	H	2065	2065	2074		2093	2103	2065			2074		2093	2103	2065		2065	2074			2093	2103	2065		2065	2074		2093	2103
18 Forks (Thickness x Width x Length)	mm	I	35x100x920		40x122x920			50x125x1070		35x100x920			40x122x920		50x125x1070		35x100x920		35x100x920	40x122x920			50x125x1070		35x100x920		35x100x920	40x122x920		50x125x1070	
19 Fork Spread (Out-to-Out Minimum / Maximum)	mm	J	200-920	244-920	244-1000		244-1000		200-920			220-1000		250-1000		200-920		244-920	244-1000			244-1000		200-920		244-920	244-1000		244-1000		
20 Front Overhang (Center of Front Axle to Fork Face)	mm	K	415	415	455		490		415			455		460		415		495	415			455		415		490	415		490		
21 Wheelbase	mm	L	1400	1400	1600		1700		1400			1600		1700		1400		1700	1400			1600		1400		1700	1400		1700		
22 Tread Width	Front, standard tires	mm	M	890	890	960		1060		890			960		1060		890		960	890			960		890		1060	890		1060	
	Front, optional duals	mm		1140	-	1140		1140		1025			1140		1140		1025		1140	1025			1140		1025		1140	1025		1140	
	Rear tires	mm	N	900	900	980		980		900			980		980		900		980	900			980		900		980	900		980	
23 Ground Clearance	at Lowest point mast	mm		110	110	115		135	150	110			115		135		150	110			110	110	115		135		150	110		135	150
	at Center of Wheelbase	mm		150	150	160		190	200	150			160		190		200	150			150	150	160		190		200	150		190	200
24 Tire Size	Size Front, standard			6.50-10-10-PR	6.50-10/5.00	7.00-12-12PR		28x9-15-12PR	250-15-16PR	6.50-10-10-PR			6.50-10/5.00		7.00-12-12PR		28x9-15-12PR	250-15-16PR	6.50-10-10-PR			6.50-10/5.00	6.50-10/5.00	7.00-12-12PR		28x9-15-12PR	250-15-16PR	6.50-10-10-PR		6.50-10-12PR	
	Size Front, optional dual			4.50-12-8-PR	-	5.50-15-8PR		6.00-15-10PR		4.50-12-8-PR			-		5.50-15-8PR		6.00-15-10PR		4.50-12-8-PR			-	-	5.50-15-8PR		6.00-15-10PR		6.00-15-10PR			
	Size Rear			5.00-8-8-PR	5.00-8/3.00	6.00-9-10PR		6.50-10-10PR	6.50-10-12PR	5.00-8-8-PR			5.00-8/3.00		6.00-9-10PR		6.50-10-10PR		6.50-10-12PR	5.00-8-8-PR			5.00-8/3.00	5.00-8/3.00	6.00-9-10PR		6.50-10-10PR	6.50-10-12PR	6.50-10-10PR		6.50-10-12PR
WEIGHT																															
25 Machine Weight	Powershift (standard)	kg	2550	2740	3060	3410	3710	4350	4740	2490	2690	3010	3300	3600	4240	4630	2490	2690	3010	3300	3600	4240	4630	2490	2690	3010	3300	3600	4240	4630	
	Manual (standard)	kg	2590	2780	3100	3450	3750	4390	4780	2530	2730	3050	3340	3640	4280	4670	2530	2730	3050	3340	3640	4280	4670	2530	2730	3050	3340	3640	4280	4670	
	Powershift (optional dual)	kg	2590	2780	-	3500	3800	4390	4770	2530	2730	-	3390	3690	4280	4660	2530	2730	-	3390	3690	4280	4660	2530	2730	-	3390	3690	4280	4660	
	Manual (optional dual)	kg	2630	2820	-	3540	3840	4430	4810	2570	2770	-	3430	3730	4320	4700	2570	2770	-	3430	3730	4320	4700	2570	2770	-	3430	3730	4320	4700	
BRAKE																															
26 Service Brake			Hyd.		Hyd.			Hyd.		Hyd.			Hyd.		Hyd.		Hyd.		Hyd.		Hyd.		Hyd.		Hyd.		Hyd.		Hyd.		
27 Parking Brake			Hand		Hand			Hand		Hand			Hand		Hand		Hand		Hand		Hand		Hand		Hand		Hand		Hand		
POWERTRAIN																															
28 Engine	Model			S402	S402	S4S	S4S			K15	K21	K15	K21	K21	K25	K21	K25	K25			K21E	K21E	K25E	K21E	K25E	K25E					
	Max. Rated Power / rpm to DIN 70020	Kw/rpm		30 / 2500	30 / 2500	38.1 / 2250	38.1 / 2250	26 / 2450	34 / 2200	26 / 2450	34 / 2200	26 / 2450	34 / 2200	34 / 2200	40 / 2200	34 / 2200	40 / 2200	40 / 2200	40 / 2200	(GAS) 36.8 / 2700, (LPG) 37.5 / 2700	(GAS) 36.8 / 2700, (LPG) 37.5 / 2700	(GAS) 43.1 / 2700, (LPG) 43.8 / 2700	(GAS) 36.8 / 2700, (LPG) 37.5 / 2700	(GAS) 43.1 / 2700, (LPG) 43.8 / 2700	(GAS) 36.8 / 2700, (LPG) 37.5 / 2700	(GAS) 43.1 / 2700, (LPG) 43.8 / 2700	(GAS) 36.8 / 2700, (LPG) 37.5 / 2700	(GAS) 43.1 / 2700, (LPG) 43.8 / 2700			
		ps/rpm		40.8 / 2500	40.8 / 2500	51.8 / 2250	51.8 / 2250	35.4 / 2450	46.2 / 2200	35.4 / 2450	46.2 / 2200	35.4 / 2450	46.2 / 2200																		