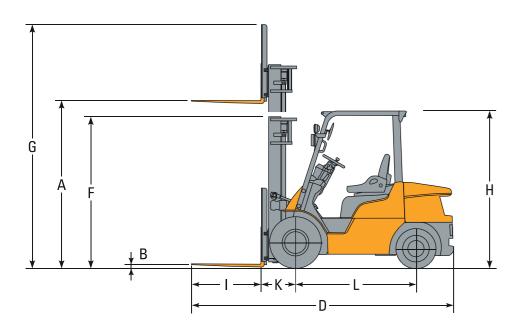
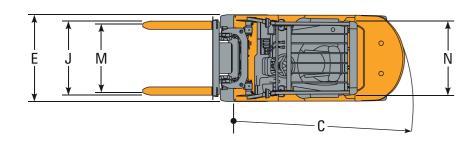
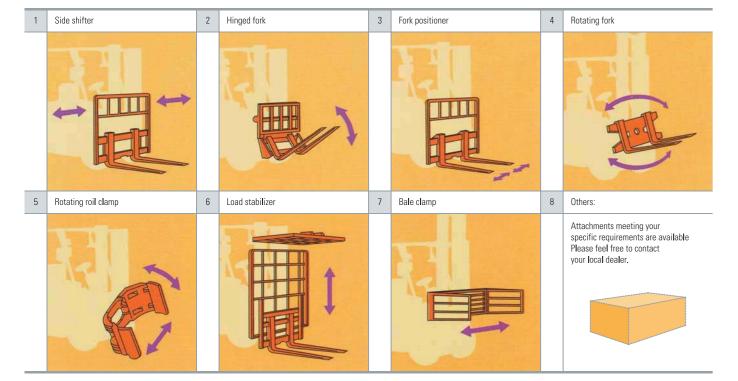
Call-out reference shown in the diagram correspond to the fourth column of the specifications chart.





Optional Attachments







Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 1.5 - 3.5 ton

www.catlifttruck.com.sg

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FCAT0087-03



Internal Combustion Pneumatic Tire Lift Trucks

Capacity: 1.5 - 3.5 ton





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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 Sagamihara, 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 (I) 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					



Quality



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.



• Vehicle speed display



Load weight display



*Optional

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.

Reliability



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. Experiences 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, which ever occurs first. If a powertrain failure causes your lift truck to go down, you're covered.

Specifications

CHARACTERIST								DUOK								INC CHAINS -	T D II C V							F1 F4 F 4 F 4 F 4 F 4 F 4 F 4 F 4 F 4 F	0.4.1.1.4.0.0.1	D CACOLINE ENGINE ET	NV.	
Type of Truck							SEL ENGINE TI									LINE ENGINE T										D GASOLINE ENGINE TRU		
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
Loading Capacity			kg	1500	1750	20	000	2500	3000	3500	150	00	17	750		2000		25	500	3000	3500	1500 1750		2000		25	00	3000 3500
Load Center			mm	500			500		5	500		5	00				500			50	00	500			50	0		500
PERFORMANCE																												
Maximum Fork Height			mm A	3000			3000		30	000		30	000				3000			30	000	3000			30	00		3000
Free Fork Height			mm B	115		120 140		145			1	15		120	1	140	14	45	14	45	115	120			140		145	
	1260	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
7 Speeds	Lifting	Unloaded	mm/s	690		650	6	660	530	450	560	650	560	650	650	600	660	600	660	530	450	650	650	590	660	590	660	530 440
		Loaded	mm/s	520		520	5	500	530	420		520			520		50	0		530	420	520	520			500		530 420
	Lowering	Unloaded	mm/s	500 500				500	400	500				500				500	400	500	500					500 400		
8 Tilt		Forward	deg	6			6		6				6		6				6	6	6					6		
	Mast	Backward	deg	12 12					12		12					12			1	12	12		12					
		Loaded	km/h	19		19			19		19			19 19.5				1	19	19			1	3		19		
	Traveling (Powershift)	Unloaded	km/h	19.5 19 19.5		19.5			19.5	19.5								19.5		19.5			19	.5		19.5		
Speeds		Loaded	km/h				19			19	19				19				19		19			1	3		19	
	Traveling (Manual)	Unloaded	km/h			19.5		19.5		19.5			19.5				19.5		19.5			19	<u></u> Б		19.5			
	Powershift	Loaded	kgf		1250	1210	1830	1810	1770	1680	1110	1530	1000	1520	1/80	1520	1750	1500	1730	1710	1630	1710	1670	1690	1860	1690	1870	1860 1750
Maximum Drawbar Pull											000	1300	050		1220	1320		1350		1710								
	Manual	Loaded	kgf	1180	1160	1130	1500	1480	1460	1380	900	1280	950	1270	1230	1280	1620	1250	1590	1090	1500	1390 1380	1360	1390	1630	1380	1620	1660 1560
Maximum Gradeability	Powershift	Loaded	%	33	23	25	36	31	Z5	21	29	41	25	36	31	30	35	25	30	24	20	48 42	3b	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
Turning Radius			mm C	1950	1980	2020	2200	2230	2380	2440	195	-	19	180	2020		2200		230	2380	2440	1950 1980	2020	2200		22		2380 2440
Practical Intersecting Ais			mm	2065	2080	2105	2195	2215	2325	2365	206		-	080	2105		2195		?15	2325	2365	2065 2080	2105	2195		22		2325 2365
Practical Aisle for Right	Angle Stacking		mm	3650	3680	3735	3955	3985	4170	4230	365	50	36	680	3735	39	1955	39	985	4170	4230	3650 3680	3735	3955		39	85	4170 4230
DIMENSIONS																												
Overall Length			mm D	3180	3220	3275	3405	3480	3805	3865	318	80	32	220	3275	34	3405	34	180	3805	3865	3180 3220	3275	3405		34	80	3805 3865
G Width	with Standard Tires		mm E	1065		1065	1	150	1275	1290		10	065		1065		115	50		1275	1290	1065	1065			1150		1275 1290
WidthHeight	with Optional Duals		mm	1330		- 1480			1490			13	330		-		148	1480		1490		1330 –		- 1480				1490 1490
	with Lowered Mast		mm F	1990			1990	1990		2015 2130		1990			1990				2015	2130	1990			19	1990		2015 2130	
	with Extended Mast (wit	ith Backrest)	mm G	4055		4055		4055		4055			4055				4055	4055		4055				4055				
	to Top of Overhead Guar	ard	mm H	2065	2065 2065 2074			2093 2103 2				065		2065 2074				2093 2103		2065	2065	2065 2074				2093 2103		
18 Forks (Thickness x Width x Length) mm I			35x100x920)	40x122x920			50x125x1070			35x10	35x100x920			40x122x920			50x125x1070		35x100x920	40x122x920				50x125x1070			
Fork Spread (Out-to-Out	Minimum / Maximum)		mm J	200~920		244~920	244	~1000	244-	~1000		200	l-920		220~920		220~1	1000		250~	-1000	200~920	244~920			244~1000		244~1000
Front Overhang (Center of	f Front Axle to Fork Face)		mm K	400		415	4	155	4	490		4	00		415	4	455	46	60	49	95	400	415			455		490
Wheelbase			mm L	1400		1400	11	600	11	700		14	400		1400		160	00		17	700	1400	1400			1600		1700
	Front, standard tires		mm M	890		890 960			10	060	890			890					1060		890	890 960				1060		
Tread Width				1025	1025		1	140	1140	140		10	1025		-		1140			11	140	1025	_	1140				1140
	Rear tires		mm N	900		900 980			980			900			- 980				98	80	900	900		980		980		
	at Lowest point mast		mm	110			110 115 135			150						110 115				135 150		110	110 115				135 150	
Ground Clearance	at Center of Wheelbase	2	mm	150				190						150 160					190 200		150 150					190 200		
	Size Front, standard			6.50-10-10-P	PR	6.50-10/5.00	1	12–12PR		250-15-16PR			0–10–PR		6.50-10/5.00		7,00–12			28x9—15—12PR		6.50-10-10-PR	6.50-10 / 5.00			7.00–12–12PR		28x9-15-12PR 250-15-16F
Tire Size	Size Front, optional dual			4.50–12–8–PF		-	-	15–8PR								= 5.50–15–8PR					5–10PR	4.50-12-8-PR	-			5.50–15–8PR		6.00–15–10PR
THO GIES	Size Rear					5.00-8/3.00			6.50-10-10PR 6.50-10-12PR		4,50–12–8–PR 5,00–8–8–PR			- 3.30-13-6rN 5.00-8/3.00 6.00-9-10PR				6.50-10-10PR		5.00-8-8-PR	5.00-8/3.00 6.00-9-10PR					6.50-10-10PR 6.50-10-12		
WEIGHT	Sizo riodi			3.00 0 0-11		0.00 0/0.00	0.00	- 10111	0.00 10 10111	0.00 10 12111		5.00			0.30 0/0.00		0.00-5	.51.11		0.00 10 10111	0.00 10 12111	3.00 0 0 TH	5.00 0 / 5.00			5.00 0 10111		3.00 10 10111 0.00 10 121
	Powershift (standard)		ka	2550	2740	3060	3410	3710	4350	4740	249	20	20	690	3010	3300		3600		4240	4630	2490 2690	3010	3300		200	00	4240 4630
			kg				3410			4740			27		3050	3340								3300				
Machine Weight	Manual (standard)	al)	kg		2780	3100		3750	4390		253							3640		4280	4670	2530 2730	3050				40	
	Powershift (optional dua		kg		2780	-	3500	3800	4390	4770	253		27		-	3390		3690		4280	4660	2530 2730	_	3390			90	4280 4660
	Manual (optional dual)		kg	2630	2820	-	3540	3840	4430	4810	257	U	27	770	-	3430		3730		4320	4700	2570 2770	-	3430		37	3U	4320 4700
BRAKE																												
Service Brake				Hyd.			Hyd.			lyd.			yd.				Hyd.				yd.	Hyd.			Hy			Hyd.
Parking Brake				Hand			Hand		H	land		Ha	and				Hand			На	and	Hand			На	nd		Hand
POWERTRAIN																												
28 Engine	Model			S4Q2		S4Q2	S	54S	S	S4S	K15	K21	K15	K21	K2	1	K25	K21	K25	K	25	K21E	K21E		K25E	K21E	K25E	K25E
	Max. Rated Power / rpm to DIN 70020 Kw/rpm ps/rpm			30 / 2500		30 / 2500	38.1	/ 2250	38.1	/ 2250	26 / 2450	34 / 2200	26 / 2450	34 / 2200	34 / 2	200	40 / 2200	34 / 2200	40 / 2200	40 /	2200	(GAS) 36.8 / 2700, (LPG) 37.5 / 270	0 (GAS) 36.8 / 2700, (L	PG) 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) 43.1 / 2700, (LPG) 43.8 / 27
				40.8 / 2500		40.8 / 2500	51.8	/ 2250	51.8	/ 2250	35.4 / 2450	46.2 / 2200	35.4 / 2450	46.2 / 2200	46.2 /	2200	54.4 / 2200	46.2 / 2200	54.4 / 2200	54.4 /	/ 2200	(GAS) 50.0 / 2700, (LPG) 51.0 / 270	0 (GAS) 50.0 / 2700, (L	PG) 51.0 / 2700 (GAS) 58.6	/ 2700, (LPG) 59.6 / 2700	(GAS) 50.0 / 2700, (LPG) 51.0 / 2700	(GAS) 58.6 / 2700, (LPG) 59.6 / 2700	(GAS) 58.6 / 2700, (LPG) 59.6 / 27
	May Rated Torque / rom to DIN 70020		131 / 1800		131 / 1800	185	/ 1700	185	/ 1700	109 / 2000	158 / 1600	109 / 2000	158 / 1600	158 /	1600	186 / 1600	158 / 1600	186 / 1600	186 /	/ 1600	(GAS) 145 / 1800, (LPG) 151 / 180) (GAS) 145 / 1800, (L	PG) 151 / 1800 (GAS) 167	/ 1600, (LPG) 186 / 1600	(GAS) 145 / 1800, (LPG) 151 / 1800	(GAS) 167 / 1600, (LPG) 186 / 1600	(GAS) 167 / 1600, (LPG) 186 / 160	
	Max. Rated Torque / rpm to DIN 70020 kgm/rpm Displacement cc Fuel Tank Capacity ℓ			13.4 / 1800		13.4 / 1800	18.9	/ 1700	18.9	/ 1700	11.1 / 2000	16.1/1600	11.1 / 2000	16.1/ 1600	16.1/	1600	19.0 / 1600	16.1 / 1600	19.0 / 1600	19.0 /	/ 1600	(GAS) 14.8 / 1800, (LPG) 15.4 / 180	0 (GAS) 14.8 / 1800, (L	PG) 15.4 / 1800 (GAS) 17.0	/ 1600, (LPG) 19.0 / 1600	(GAS) 14.8 / 1800, (LPG) 15.4 / 1800	(GAS) 17.0 / 1600, (LPG) 19.0 / 1600	(GAS) 17.0 / 1600, (LPG) 19.0 / 16
-				2505		2505	3:	331	33	331	1486	2065	1486	2065	206	5	2488	2065	2488	24	188	2065	2065		2488	2065	2488	2488
				46		46	66 66			46			46 66						66	46								
						10	1		1											Powershift / Manual					Powershift / Manual			
	Туре			Powershift / Mar	inual		Powershift / Manual	I	Powershi	ift / Manual		Powershit	ft / Manual				Powershift / Manual			Powershif	ft / Manual	Powershift / Manual			Powershif	/ Manual		Powershift / Manual
Transmission	Type Number of Speeds			Powershift / Mar AT:1 / MT:2			Powershift / Manual AT:1 / MT:2			ift / Manual / MT:2			ft / Manual / MT:2				Powershift / Manual AT:1 / MT:2				ft / Manual / MT:2	Powershift / Manual AT:1 / MT:2			Powershif AT:1 /			Powershift / Manual AT:1 / MT:2

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