



GP15NM - GP18NM - GP20CNM

DP/GP20NM - DP/GP25NM - DP/GP30NM

DP/GP35NM

Preliminary specifications

Engine powered lift trucks

1.5 - 3.5 tonnes



Characteristics			Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	
			DP20NM	DP25NM	DP30NM	
1.1	Manufacturer (abbreviation)		Diesel	Diesel	Diesel	
1.2	Manufacturer's model designation		Seated	Seated	Seated	
1.3	Power source: (battery, diesel, LP gas, petrol)		2000	2500	3000	
1.4	Operator type: pedestrian, (operator)-standing, -seated		500	500	500	
1.5	Load capacity	Q (kg)	454	459	495	
1.6	Load centre distance	c (mm)	1600	1600	1700	
1.8	Load distance, axle to fork face	x (mm)				
1.9	Wheelbase	y (mm)				
Weight						
2.1	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	3450	3720	4370	
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	4720/730	5490/730	6550/820	
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	1510/1940	1480/2270	1770/2600	
Wheels, Drive Train						
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		L / L	L / L	L / L	
3.2	Tyre dimensions, front		7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	
3.3	Tyre dimensions, rear		6.00-9-8PR	6.00-9-10PR	6.50-10-10PR	
3.5	Number of wheels, front/rear (x=driven)		2x / 2	2x / 2	2x / 2	
3.6	Track width (centre of tyres), front	b10 (mm)	960	960	1060	
3.7	Track width (centre of tyres), rear	b11 (mm)	980	980	980	
Dimensions						
4.1	Mast tilt, forwards/backwards	α/β °	6 / 10	6 / 10	6 / 10	
4.2	Height with mast lowered (see tables)	h1 (mm)	2150	2150	2170	
4.3	Free lift (see tables)	h2 (mm)	140	140	150	
4.4	Lift height (see tables)	h3 (mm)	3340	3340	3310	
4.5	Overall height with mast raised	h4 (mm)	4570	4570	4540	
4.7	Height to top of overhead guard	h6 (mm)	2105	2105	2125	
4.8	Seat height	h7 (mm)	1110	1160	1210	
4.12	Tow coupling height	h10 (mm)	310	310	330	
4.19	Overall length	l1 (mm)	3560	3620	3790	
4.20	Length to fork face (includes fork thickness)	l2 (mm)	2490	2550	2720	
4.21	Overall width	b1/b2 (mm)	1160/1640	1160 / 1640	1270/1710	
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	40 x 100 x 1070	40 x 100 x 1070	50 x 125 x 1070	
4.23	Fork carriage to DIN 15 173 A/B/no		2A	2A	3A	
4.24	Fork carriage width	b3 (mm)	1000	1000	1000	
4.31	Ground clearance under mast, with load	m1 (mm)	117	117	136	
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	159	159	178	
4.33	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ast (mm)	3855	3885	4070	
4.34a	Working aisle width with 800 x 1200 mm pallets, lengthwise	Ast (mm)	4055	4085	4270	
4.35	Turning circle radius	Wa (mm)	2200	2230	2380	
4.36	Minimum distance between centres of rotation	b13 (mm)	715	715	780	
Performance						
5.1	Travel speed, with/without load	km/h	16.5/18.0	16.5/17.5	16.0/17.0	
5.2	Lifting speed, with/without load	m/s	0.61 / 0.64	0.61 / 0.64	0.49 / 0.51	
5.3	Lowering speed, with/without load	m/s	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	
5.5	Rated drawbar pull, with/without load	N	17756 / -	17560 / -	17168 / -	
5.7	Gradeability, with/without load	%	40.4 / 18.7	40.4 / 16.4	41.4 / 17.3	
5.9	Acceleration time (10 metres) with/without load	s	-/-	-/-	-/-	
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic	
IC Engine						
7.1	Manufacturer / Type		S4S	S4S	S4S	
7.2	Rated output to ISO 1585	kW	38.1	38.1	38.1	
7.3	Rated speed to DIN 70 020	rpm	2250	2250	2250	
7.4	Number of cylinders / cubic capacity	cm³	4 / 3331	4 / 3331	4 / 3310	
7.5	Fuel consumption according to VDI 60 cycle	l/h / kg/h	-/-	-/-	-/-	
Miscellaneous						
8.1	Type of drive control		Powershift / 1	Powershift / 1	Powershift / 1	
8.2	Maximum operating pressure for attachments	bar	180	180	180	
8.3	Oil flow for attachments	l/min	68	68	73	
8.4	Noise level, value at operator's ear (EN 12053)	dB(A)	76.5	75.5	76.5	
8.5	Towing coupling design / DIN type, ref.		PIN	PIN	PIN	

*GP25NM with the optional high power engine.



	Cat Lift Trucks DP35NM	Cat Lift Trucks GP15NM	Cat Lift Trucks GP18NM	Cat Lift Trucks GP20CNM	Cat Lift Trucks GP20NM	Cat Lift Trucks GP25NM	Cat Lift Trucks *GP25NM-HP	Cat Lift Trucks GP30NM	
	Diesel	Petrol/LP gas	Petrol/LP gas	Petrol/LP gas	Petrol/LP gas	Petrol/LP gas	Petrol/LP gas	Petrol/LP gas	
	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	
	3500	1500	1750	2000	2000	2500	2500	3000	
	500	500	500	500	500	500	500	500	
	495	400	400	415	454	459	459	495	
	1700	1400	1400	1400	1600	1600	1600	1700	
	4800	2560	2750	3040	3340	3620	3620	4260	
	7300/1000	3620 / 440	3980 / 520	4390 / 650	4660 / 685	5450 / 670	5450 / 670	6390 / 870	
	1730/3070	1130 / 1430	1080 / 1670	1080 / 1960	1470 / 1870	1440 / 2180	1440 / 2180	1700 / 2560	
	L / L	L / L	L / L	SE/SE	L / L	L / L	L / L	L / L	
	250-15 -12PR	6.50-10-10PR	6.50-10-10PR	6.50-10/5.00	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	
	6.50-10-12PR	5.00-8 -8PR	5.00-8 -8 PR	5.00-8/3.00	6.00-9-8PR	6.00-9 -10PR	6.00-9 -10PR	6.50-10-10PR	
	2x / 2	2x / 2	2x / 2	2x /2	2x / 2	2x / 2	2x / 2	2x / 2	
	1060	890	890	890	960	960	960	1060	
	980	900	900	900	980	980	980	980	
	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	6 / 10	
	2300	2140	2140	2140	2150	2150	2150	2170	
	150	115	115	115	140	140	140	150	
	3350	3320	3320	3330	3340	3340	3340	3310	
	4570	4550	4550	4550	4570	4570	4570	4540	
	2140	2100	2100	2105	2105	2105	2105	2125	
	1210	1105	1105	1110	1110	1160	1160	1210	
	340	290	290	290	310	310	310	330	
	3690	3330	3365	3420	3560	3620	3620	3790	
	2790	2260	2295	2350	2490	2550	2550	2720	
	1300/1710	1070/-	1070/-	1070/-	1160/1640	1160/1640	1160/1640	1270/1710	
	50 x 125 x 1070	35x100x1070	35x100x1070	40x100x1070	40 x 100 x 1070	40 x 100 x 1070	40 x 100 x 1070	50 x 125 x 1070	
	3A	2A	2A	2A	2A	2A	2A	3A	
	1000	920	920	920	1000	1000	1000	1000	
	136	110	110	110	117	117	117	136	
	178	150	150	150	159	159	159	178	
	4130	3550	3580	3635	3855	3885	3885	4070	
	4330	3750	3780	3835	4055	4085	4085	4270	
	2440	1950	1980	2020	2200	2230	2230	2380	
	780	555	555	555	715	715	715	780	
	16.5/18.0	17.5 / 19	17.5 / 19	18 / 18.5	17 / 18.5	17 / 18.5	17 / 18.5	17 / 18	
	0.41 / 0.43	0.62 / 0.63	0.62 / 0.63	0.62 / 0.63	0.57 / 0.58	0.57 / 0.58	0.57 / 0.58	0.50 / 0.52	
	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	0.50 / 0.50	
	16383 / -	16670 / -	16677 / -	16187 / -	16481 / -	16481 / -	16481 / -	18050 / -	
	40.6 / 14.9	38.8/18.2	38.5/15.9	38.8 / 14.3	38.1/18.5	39.8 / 16.5	39.8 / 16.5	40.3 / 17.1	
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	
	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
	S4S	GCT GK21	GCT GK21	GCT GK21	GCT GK21	GCT GK21	GCT GK25	GCT GK25	
	38.1	34	34	34	34	34	40	40	
	2250	2700	2700	2700	2700	2700	2700	2700	
	4 / 3331	4 / 2065	4 / 2065	4 / 2065	4 / 2065	4 / 2065	4 / 2488	4 / 2488	
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	
	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	
	180	180	180	180	180	180	180	180	
	73	60	60	60	68	68	68	73	
	76.5	73.5	73.5	73.5	76.5	75.5	75.5	76.5	
	PIN	PIN	PIN	PIN	PIN	PIN	PIN	PIN	



	Cat Lift Trucks
	GP35NM
	Petrol/LP gas
	Seated
	3500
	500
	495
	1700
	4690
	7250 / 940
	1680 / 3010
	L / L
	250-15 -12PR
	6.50-10-12PR
	2x / 2
	1060
	980
	6 / 10
	2300
	150
	3350
	4570
	2140
	1210
	340
	3690
	2790
	1300/1710
	50 x 125 x 1070
	3A
	1000
	136
	178
	4130
	4330
	2440
	780
	17.5 / 18.5
	0.42 / 0.44
	0.50 / 0.50
	17069 / -
	39.7 / 14.9
	-/-
	Hydraulic
	GCT GK25
	40
	2700
	4 / 2488
	-/-
	Powershift / 1
	180
	73
	76.5
	PIN

Lower Cost of Ownership

- The LP and gasoline configurations in this model family are equipped with the GCT GK21 or GCT GK25 engines that have an existing track record of performance and durability in the lift truck industry.
- The diesel models trucks are equipped with the 3.3L S4S diesel engine, designed to provide power and reliability in even the most demanding applications. It has a long history of proven success in lift truck applications.
- These trucks are equipped with The Vehicle Control Module (VCM) that controls a number of input and output signals from the truck ensuring safe and smooth use of truck functionalities.
- LCD display provides extensive information on truck operation and maintenance state. It also indicates service requirements to prevent unexpected down time and cost due to unscheduled maintenance and service.
- Displayed reminders and fault indicators encourage regular servicing and immediate attention to maintain efficiency and avoid damage.
- Easy and quick access to all areas for routine checks and maintenance keeps truck in sound working condition, saves time and reduces expense.
- Pass code system prevents unauthorised use.

Unmatched Productivity

- Latest engine technology provides impressive levels of power.
- Electronic Direction Control Allows an easy shift between forward and reverse for smooth acceleration and easier direction changes.
- Hydraulic Power Steering minimizes the effort needed to smoothly steer the lift truck, providing more operator control and maneuverability.
- Separate Brake and Inching Pedals features a two-pedal system to simultaneously apply the brakes and disengage the clutch to inch the truck forward.

Safety and Ergonomics

- Narrow mast channels and open overhead guard design give a clear view of the load and surroundings.
- Low-maintenance LED working lights help the operator to see and be seen.
- Premium LED/LCD display panel offers valuable on-the-go information and warnings to aid operator awareness and control.
- Adjustable full-suspension seat ensures comfort for operators of all sizes through the longest of shifts.
- Spacious floor area with cushioned rubber mat and ergonomic through-the-floor pedals provides a comfortable, strain-free operating environment.
- The Presence Detection System (PDS) activates if the operator is not in the normal operating position, and electronically discontinues powered-travel movement and activation of load-handling functions.

Options

- Engine protection system.
- Rear grab handle with horn button.
- Foot-operated direction control.
- Swing-down LPG tank bracket.
- Foundry and brick adaptation.
- Specialised tyres.
- Square-fin dust/fibre-resistant radiator.
- Fully closed cabins with additional accessories.

	GP15NM - GP20CNM					GP15NM	GP18NM	GP20CNM
Mast type	h3 mm	h1 mm	h4 mm	h2 / h5 mm	Tilt angle (fwd./ back)	Q @ c = 500mm kg	Q @ c = 500mm kg	Q @ c = 500mm kg
Simplex	3000	2000	4260	115	6/10	1500	1750	2000
	3300	2140	4550	115	6/10	1500	1750	2000
	3700	2400	4980	115	6/10	1500	1750	2000
	4100	2590	5350	115	6/6	1500	1750	2000
Duplex	3000	2000	4260	770	6/10	1500	1750	2000
	3300	2140	4560	920	6/10	1500	1750	2000
Triplex	4300	2000	5570	770	6/6	1430	1630	1950
	4800	2140	6010	910	6/6	1230	1230	1900
	5100	2260	6350	1030	6/6	1330*	1330	1330
	5500	2400	6750	1170	6/6	1000*	1000*	930
Quad	6100	2110	**	1499	5/3	**	**	**
	6500	2260	**	1650	5/3	**	**	**

* Solid drive

** On request

	DP/GP20NM / DP/GP25NM					DP/GP20NM	DP/GP25NM
Mast type	h3 mm	h1 mm	h4 mm	h2 / h5 mm	Tilt angle (fwd./ back)	Q @ c = 500mm kg	Q @ c = 500mm kg
Simplex	3000	2000	4060	140	6/10	2000	2500
	3300	2150	4360	140	6/10	2000	2500
	3700	2410	4800	140	6/10	2000	2500
	4100	2590	5160	140	6/6	2000	2500
	4500	2800	5560	140	6/6	2000	2500
Duplex	3000	2000	4060	770	6/10	2000	2500
	3300	2150	4360	920	6/10	2000	2500
Triplex	4300	2000	5360	770	6/6	1950	2500
	4800	2150	5810	920	6/6	1900	2400
	5100	2270	6120	1030	6/6	1750	2350
	5500	2410	6560	1170	6/6	1800*	2200*
Quad	6100	2110	**	1498	6/4	**	**
	6500	2260	**	1651	6/4	**	**
	7000	2410	**	1803	6/4	**	**

* Dual drive

** On request

	DP/GP30NM					
Mast type	h3 mm	h1 mm	h4 mm	h2 / h5 mm	Tilt angle (fwd./ back)	Q @ c = 500mm kg
Simplex	3000	2050	4090	150	6/10	3000
	3300	2170	4330	150	6/10	3000
	3700	2430	4760	150	6/10	3000
	4000	2610	5060	150	6/6	3000
	4500	2870	5560	150	6/6	2950
	5000	3120	6060	150	6/6	2850
	5500	3370	6560	150	6/6	2750
	6000	3640	7060	150	6/6	2400*
Duplex	3000	2050	4060	820	6/10	3000
	3300	2170	4310	940	6/10	3000
Triplex						
	4300	2050	5380	820	6/6	3000
	4700	2170	5760	940	6/6	2900
	5000	2290	6120	1060	6/6	2800
	5500	2430	6510	1200	6/6	2750
Quad	6000	2610	7030	1380	6/6	2750*
	6100	2110	**	1499	6/4	**
	6500	2260	**	1650	6/4	**
	7000	2410	**	1803	6/4	**

* Dual drive

** On request

Note: all models with pneumatic tires, C model with solid tires

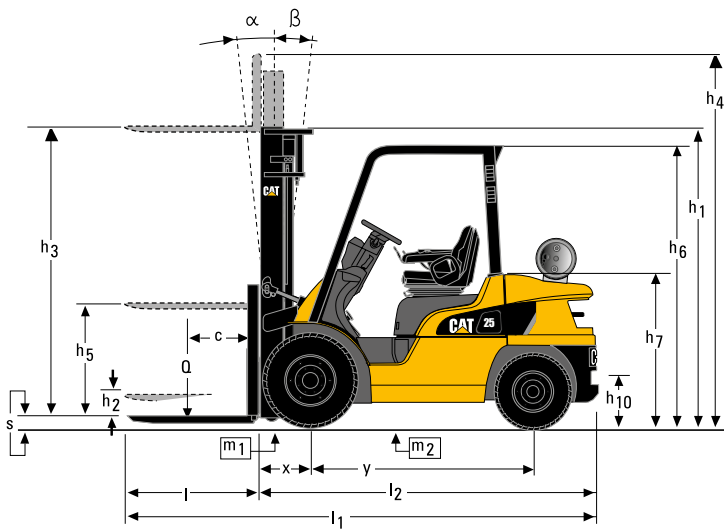
Mast Performance and Capacity

- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- h5 Full free lift
- Q Lifting capacity, rated load
- c Load centre (distance)

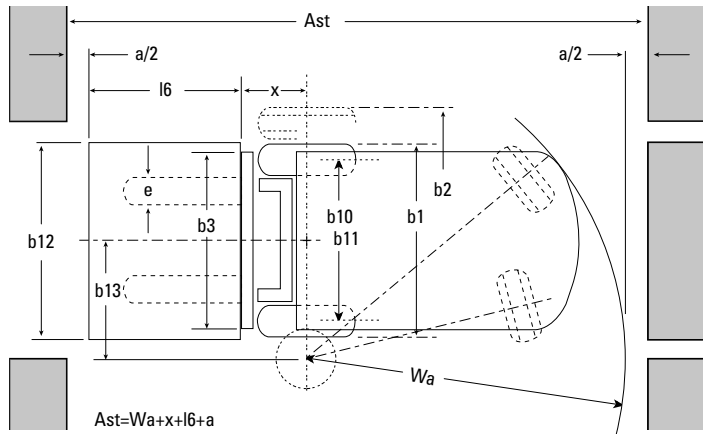
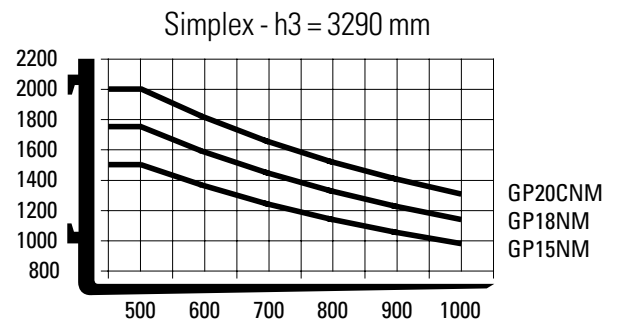
	DP/GP35NM					
Mast type	h3 mm	h1 mm	h4 mm	h2 / h5 mm	Tilt angle (fwd./ back)	Q @ c = 500mm kg
Simplex	3000	2180	4060	150	6/10	3500
	3300	2300	4360	150	6/10	3500
	3720	2510	4780	150	6/10	3500
	4000	2770	5060	150	6/6	3500
Duplex	2800	2060	4030	940	6/10	3500
	3300	2300	4570	1080	6/10	3500
Triplex						
	4000	2060	5280	840	6/6	3500
	4400	2180	5660	960	6/6	3500
	4700	2300	5970	1080	6/6	3450
	5000	2450	6300	1220	6/6	3350
	5600	2630	6850	1400	6/6	3200*
Quad	6100	2110	**	1499	6/4	**
	6500	2260	**	1650	6/4	**
	7000	2410	**	1803	6/4	**

Cat® Lift Trucks.

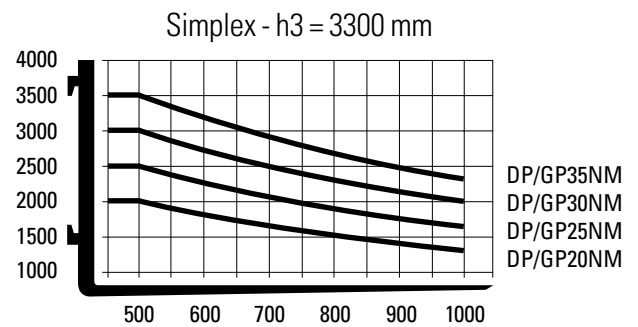
Your partner in materials handling.



Capacity vs. Load Distance



Capacity vs. Load Distance



$Ast = Wa + x + l6 + a$
 Ast = Working aisle width with load
 a = Safety clearance (200 mm)
 $l6$ = Pallet length (800 or 1000 mm)
 $b12$ = Pallet width (1200 mm)

info@catlifttruck.com
www.catlifttruck.com

CESC1876AME-H(01/18)ok
 ©2018, MCFE. All Rights Reserved. CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

Printed in The Netherlands

NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Cat lift trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

