

DP/GP40NT - DP/GP45NT - DP/GP50CNT DP/GP50NT - DP/GP55NT

Specifications

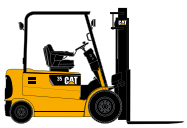
Engine powered lift trucks

4.0 - 5.5 tonnes

CAT® Lift Trucks

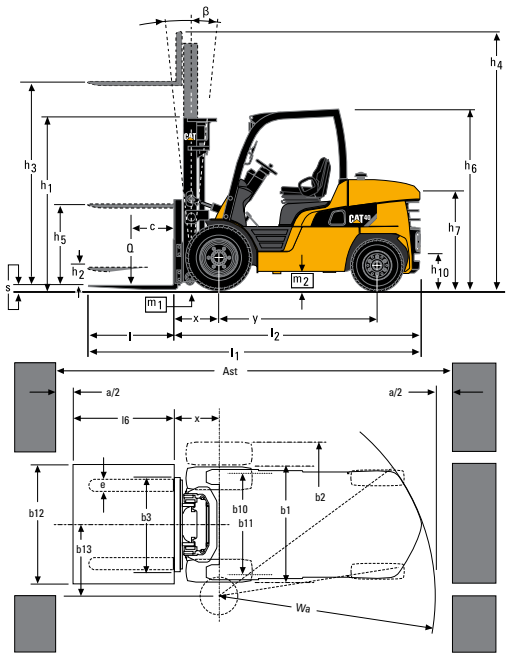
	Characteristics							
1.01	Manufacturer (abbreviation)		Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	
1.02	Manufacturer's model designation		**DP40NT**	**DP45NT**	**DP50CNT**	**DP50NT**	**DP55NT**	
1.03	Power source: (battery, diesel, LP gas, petrol)		Diesel	Diesel	Diesel	Diesel	Diesel	
1.04	Operator type: pedestrian, (operator)-standing, -seated		Seated	Seated	Seated	Seated	Seated	
1.05	Load capacity	Q (kg)	4000	4500	5000	5000	5500	
1.06	Load center distance	c (mm)	500	500	500	600	600	
1.08	Load distance, axle to fork face	x (mm)	577	577	582	602	602	
1.09	Wheelbase	y (mm)	1850	2000	2000	2150	2150	
	Weight							
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	5920	6330	6850	7300	7640	
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	8960/960	9710/1130	10600/1250	11020/1280	11740/1400	
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	2630/3290	2780/3550	2900/3950	3220/4080	3170/4470	
	Wheels, Drive Train							
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		L/L	L/L	L/L	L/L	SE/SE	
3.02	Tyre dimensions, front		8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	
3.03	Tyre dimensions, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-14PR	7.00-12-14PR	
3.05	Number of wheels, front/rear (x=driven)		2x/2	2x/2	2x/2	2x/2	2x/2	
3.06	Track width (center of tyres), front	b10 (mm)	1175	1175	1175	1175	1175	
3.07	Track width (center of tyres), rear	b11 (mm)	1180	1180	1180	1180	1180	
	Dimensions							
4.01	Mast tilt, forwards/backwards	α/β °	6/12	6/12	6/12	6/12	6/12	
4.02	Height with mast lowered (see tables)	h1 (mm)	2320	2320	2400	2400	2400	
4.03	Free lift (see tables)	h2 (mm)	150	150	150	160	160	
4.04	Lift height (see tables)	h3 (mm)	3300	3300	3300	3300	3300	
4.05	Overall height with mast raised	h4 (mm)	4430	4430	4430	4430	4580	
4.07	Height to top of overhead guard	h6 (mm)	2250	2250	2250	2250	2250	
4.08	Seat height	h7 (mm)	1082	1082	1082	1082	1082	
4.12	Tow coupling height	h10 (mm)	395	395	395	395	395	
4.19	Overall length	l1 (mm)	4220	4350	4390	4530	4580	
4.20	Length to fork face (includes fork thickness)	l2 (mm)	3000	3130	3170	3310	3360	
4.21	Overall width	b1/b2 (mm)	1415/1965	1460/1965	1460/1965	1460/1965	1460/1965	
4.22	Fork dimensions (thickness, width, length)	s, e, l (mm)	50/150/1220	50/150/1220	50/150/1220	60/150/1220	60/150/1220	
4.23	Fork carriage to DIN 15 173 A/B/no		3A	3A	3A	4A	4A	
4.24	Fork carriage width	b3 (mm)	1190	1190	1190	1190	1190	
4.31	Ground clearance under mast, with load	m1 (mm)	150	150	150	150	150	
4.32	Ground clearance at center of wheelbase, with load (forks lowered)	m2 (mm)	227	227	227	227	227	
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm)	4357	4507	4542	4692	4742	
4.34	Working aisle width with 800 x1200 mm pallets, crosswise	Ast (mm)	4157	4307	4342	4492	4542	
4.35	Turning circle radius	Wa (mm)	2580	2730	2760	2890	2940	
4.36	Minimum distance between centers of rotation	b13 (mm)	836	903	903	971	971	
	Performance							
5.01	Travel speed, with/without load	km/h	21.5/22.0	21.0/22.0	21.0/22.0	21.0/22.0	21.0/22.0	
5.02	Lifting speed, with/without load	m/s	0.61/0.55	0.61/0.55	0.53/0.47	0.53/0.47	0.53/0.47	
5.03	Lowering speed, with/without load	m/s	0.5/0.5	0.5/0.5	0.5/0.5	0.5/0.5	0.5/0.5	
5.05	Rated drawbar pull, with/without load	N	25000/17400	25000/18700	24700/19400	24500/21800	24200/21300	
5.07	Gradeability, with/without load	%	26.9/26.4	24.4/26.7	22.0/25.7	20.8/26.8	19.3/25.0	
5.09	Acceleration time (10 metres) with/without load	s	4.20/3.70	4.52/3.87	4.52/3.87	4.52/3.87	4.52/3.87	
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
	IC Engine							
7.01	Manufacturer / Type		S6S	S6S	S6S	S6S	S6S	
7.02	Rated / Nominal output to ISO 1585	kW	57.5	57.5	57.5	57.5	57.5	
7.03	Rated speed to DIN 70 020	rpm	2300	2300	2300	2300	2300	
7.04	Number of cylinders / cubic capacity	/cm3	6 / 4996	6 / 4996	6 / 4996	6 / 4996	6 / 4996	
7.05	Fuel consumption according to VDI 60 cycle	l/h / kg/h	*	*	*	*	*	
	Miscellaneous							
8.01	Type of drive control		Powershift 2/1	Powershift 2/1	Powershift 2/1	Powershift 2/1	Powershift 2/1	
8.02	Maximum operating pressure for attachments	bar	191	191	191	191	191	
8.03	Oil flow for attachments	l/min	-	-	-	-	-	
8.04	Noise level, value at operator's ear (EN 12053)	dB(A)	*	*	*	*	*	
8.05	Towing coupling design / DIN type, ref.		Pin	Pin	Pin	Pin	Pin	




	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
	GP40NT	**GP45NT**	**GP50CNT**	**GP50NT**	**GP55NT**
	Petrol	Petrol	Petrol	Petrol	Petrol
	Seated	Seated	Seated	Seated	Seated
	4000	4500	5000	5000	5500
	500	500	500	600	600
	577	577	582	602	602
	1850	2000	2000	2150	2150
	5860	6270	6780	7240	7570
	8940/920	9680/1090	10570/1210	10990/1250	11710/1360
	2610/3250	2750/3520	2870/3920	3190/4050	3130/4440
	L/L	L/L	L/L	L/L	SE/SE
	8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR
	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-14PR	7.00-12-14PR
	2x/2	2x/2	2x/2	2x/2	2x/2
	1175	1175	1175	1175	1175
	1180	1180	1180	1180	1180
	6/12	6/12	6/12	6/12	6/12
	2320	2320	2400	2400	2400
	150	150	150	160	160
	3300	3300	3300	3300	3300
	3920	3920	4000	4000	4000
	2250	2250	2250	2250	2250
	1082	1082	1082	1082	1082
	395	395	395	395	395
	4220	4350	4390	4530	4580
	3000	3130	3170	3310	3360
	1415/1965	1460/1965	1460/1965	1460/1965	1460/1965
	50/150/1220	50/150/1220	50/150/1220	60/150/1220	60/150/1220
	3A	3A	3A	4A	4A
	1190	1190	1190	1190	1190
	150	150	150	150	150
	227	227	227	227	227
	4357	4507	4542	4692	4742
	4157	4307	4342	4492	4542
	2580	2730	2760	2890	2940
	836	903	903	971	971
	22.0/22.5	22.0/22.5	22.0/22.5	22.0/22.5	21.5/22.5
	0.60/0.57	0.60/0.57	0.52/0.49	0.52/0.49	0.52/0.49
	0.5/0.5	0.5/0.5	0.5/0.5	0.5/0.5	0.5/0.5
	26000/17200	26000/18500	25500/19200	25500/21600	25000/21000
	27.8/25.9	25.3/26.2	22.7/25.2	21.6/26.4	19.9/24.6
	5.02/3.65	5.02/3.65	5.02/3.65	5.02/3.65	5.02/3.65
	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	TB45	TB45	TB45	TB45	TB45
	72	72	72	72	72
	2450	2450	2450	2450	2450
	6 / 4500	6 / 4500	6 / 4500	6 / 4500	6 / 4500
	*	*	*	*	*
	Powershift 2/1	Powershift 2/1	Powershift 2/1	Powershift 2/1	Powershift 2/1
	191	191	191	191	191
	-	-	-	-	-
	*	*	*	*	*
	Pin	Pin	Pin	Pin	Pin

* Fuel consumption and noise data available on request



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)

Lower Cost of Ownership

- Easy-to-maintain drum brakes reduces down time.
- High positioned air intake system lengthens the life of air intake filter cartridges.
- LCD display with LED indicators, providing all safety functions, allows for rapid trouble shooting.
- Large diameter driving shafts for durability in the most demanding applications.
- Long service interval.
- Detailed diagnostics are possible for easy fault finding.
- Highly regarded, market proven industrial diesel and LPG engines give excellent performance.

Unmatched Productivity

- Cooling system designed to reduce blockages utilising pusher type radiator airflow.
- Wide variety of mast types and lifting heights allows the truck to be specified to your needs.
- High capacity ratings.
- Full floating power line featuring two forward speeds and one speed reverse with high gradeability and travel speed.
- Hydrostatic steering system makes maneuvering the truck light and easy.

Safety and Ergonomics

- PDS+, presence detection system disengages drive and hydraulic functions when the operator's seat is vacated.
- Electronic button operated parking brake for unblocked access.
- Operator identification system with Pin-code standard.
- Covered tilt cylinders, hoses and neat dashboard area.
- Hydraulic controlled drum brake system for safe operation.
- Open step frame and grab bar allow easy access.

Options

- Fingertip hydraulic mast control.
- Pro-Shift transmission abuse protection system:
  - Auto deceleration; stops truck when accelerator is released.
  - Hill-hold; keeps truck stationary when it stops on ramps.
  - Controlled direction reversal; Truck decelerates to a suitable speed before changing direction, protecting the drive train.
- Wet disc brakes.
- Handgrip on overhead guard with a horn button helps to reduce back strain and fatigue in applications with repetitive reversing.
- Load indicator on Simplex masts.
- Dust screen.



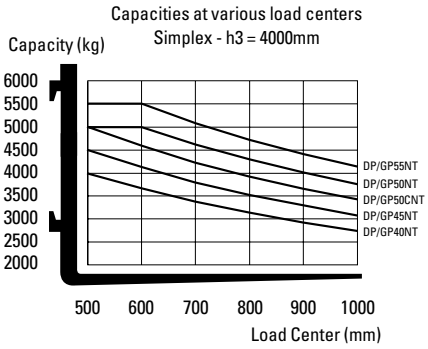
Cat® Lift Trucks.

Your partner in materials handling.

DP/GP40NT - DP/GP45NT					DP/GP40NT PNEUMATIC		DP/GP45NT PNEUMATIC		DP/GP40NT SOLID PNEUMATIC		DP/GP45NT SOLID PNEUMATIC	
Mast Type	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c = 500mm kg	Q @ c = 600mm kg	Q @ c = 500mm kg	Q @ c = 600mm kg	Q @ c = 500mm kg	Q @ c = 600mm kg	Q @ c = 500mm kg	Q @ c = 600mm kg
Simplex	3000	2170	4130	150	4000	3500	4500	4000	4000	3500	4500	4000
	3300	2320	4430	150	4000	3500	4500	4000	4000	3500	4500	4000
	3700	2520	4830	150	4000	3500	4500	4000	4000	3500	4500	4000
	4000	2700	5130	150	4000	3500	4500	4000	4000	3500	4500	4000
	4500	3000	5630	150	4000	3500	4500	4000	4000	3500	4500	4000
	5000	3250	6130	150	3850	3500	4500	4000	4000	3500	4500	4000
	5500	3500	6630	150	3600	3400*	4300*	4000*	3700	3500	4400	4000
	6000	3750	7130	150	3500*	3300*	3900*	3900*	3600	3400	4250	3900
Duplex	3000	2170	4130	1090	4000	3500	4500	4000	4000	3500	4500	4000
	3300	2320	4430	1240	4000	3500	4500	4000	4000	3500	4500	4000
	3700	2520	4830	1440	4000	3500	4500	4000	4000	3500	4500	4000
	4100	2700	5190	1620	4000	3500	4500	4000	4000	3500	4500	4000
Triplex	3700	1950	4830	870	4000	3500	4500	4000	4000	3500	4500	4000
	4000	2050	5130	970	4000	3500	4500	4000	4000	3500	4500	4000
	4360	2170	5490	1090	4000	3500	4500	4000	4000	3500	4500	4000
	4700	2285	5830	1200	3900	3500	4500	4000	4000	3500	4500	4000
	5050	2400	6180	1320	3800	3500	4500	4000	3900	3500	4500	4000
	5500	2550	6630	1470	3600*	3400*	4200*	4000*	3700	3450	4350	4000
	6000	2750	7130	1670	3450*	3250*	4050*	3800*	3550	3300	4200	3900
	6500	2950	7630	1870	3000*	3000*	3000*	3000*	3350	3200	4050*	3800*
	7000	3150	8130	2070	2400*	2400*	2400*	2400*	3300*	3100*	3500*	3500*

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/GP50CNT					DP/GP50CNT PNEUMATIC		DP/GP50CNT SOLID PNEUMATIC	
Mast Type	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c = 500mm kg	Q @ c = 600mm kg	Q @ LC= 500mm kg	Q @ c = 600mm kg
Simplex	3000	2250	4130	150	5000	4500	5000	4500
	3300	2400	4430	150	5000	4500	5000	4500
	3700	2600	4830	150	5000	4500	5000	4500
	4000	2850	5130	150	5000	4500	5000	4500
	4500	3100	5630	150	5000	4500	5000	4500
	5000	3350	6130	150	5000	4500	5000	4500
	5500	3600	6630	150	4750*	4500*	4850	4500
	6000	3850	7130	150	3900*	3900*	4700	4400
Duplex	2970	2250	4100	1170	5000	4500	5000	4500
	3300	2400	4410	1320	5000	4500	5000	4500
	4100	2850	5210	1770	5000	4500	5000	4500
Triplex	3700	2050	4830	970	5000	4500	5000	4500
	4040	2170	5170	1090	5000	4500	5000	4500
	4310	2260	5440	1180	5000	4500	5000	4500
	4750	2400	5880	1320	5000	4500	5000	4500
	5050	2500	6180	1420	5000	4500	5000	4500
	5500	2650	6630	1570	4700*	4450*	4800	4500
	6000	2850	7130	1770	4200*	4200*	4600	4350
	6500	3050	7630	1970	3000*	3000*	4450*	4200*
	7000	3250	8130	2170	2400*	2400*	3500*	3500*

DP/GP50NT - DP/GP55NT					DP/GP50NT PNEUMATIC	DP/GP55NT PNEUMATIC	DP/GP50NT SOLID PNEU.	DP/GP55NT SOLID PNEU.
Mast Type	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c = 600mm kg	Q @ c = 600mm kg	Q @ c = 600mm kg	Q @ c = 600mm kg
Simplex	3000	2250	4280	160	5000	5500	5000	5500
	3300	2400	4580	160	5000	5500	5000	5500
	3700	2600	4980	160	5000	5500	5000	5500
	4000	2850	5280	160	5000	5500	5000	5500
	4500	3100	5780	160	5000	5500	5000	5500
	5000	3350	6280	160	5000	5500*	5000	5500
	5500	3600	6780	160	4900*	(4650)*	5000	5500
	6000	3850	7280	160	4100*	(3450)*	4900	5350*
Duplex	3000	2250	4250	1030	5000	5500	5000	5500
	3300	2400	4560	1180	5000	5500	5000	5500
	4100	2850	5360	1630	5000	5500	5000	5500
Triplex	3700	2050	4980	830	5000	5500	5000	5500
	4040	2170	5320	950	5000	5500	5000	5500
	4310	2260	5590	1040	5000	5500	5000	5500
	4750	2400	6030	1180	5000	5450	5000	5500
	5050	2500	6330	1280	5000	5500*	5000	5500
	5500	2650	6780	1430	4900*	(4850)*	5000	5500
	6000	2850	7280	1630	4300*	(3500)*	4800	5300*
	6500	3050	7780	1830	3150*	(2600)*	4650*	(4400)*
	7000	3250	8280	2030	2500*	(2000)*	3900*	(3050)*

* Truck equipped with dual tyres. Consult your dealer for maximum back-tilt allowed, to obtain the capacities specified.

() Capacities shown in brackets for the 5.5 tonnes model show lower capacities compared to 5.0 tonne model.

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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.

CAT® Lift Trucks