



# **DP/GP15NT - DP/GP18NT - GP15ZNT GP18ZNT - DP/GP20CNT**

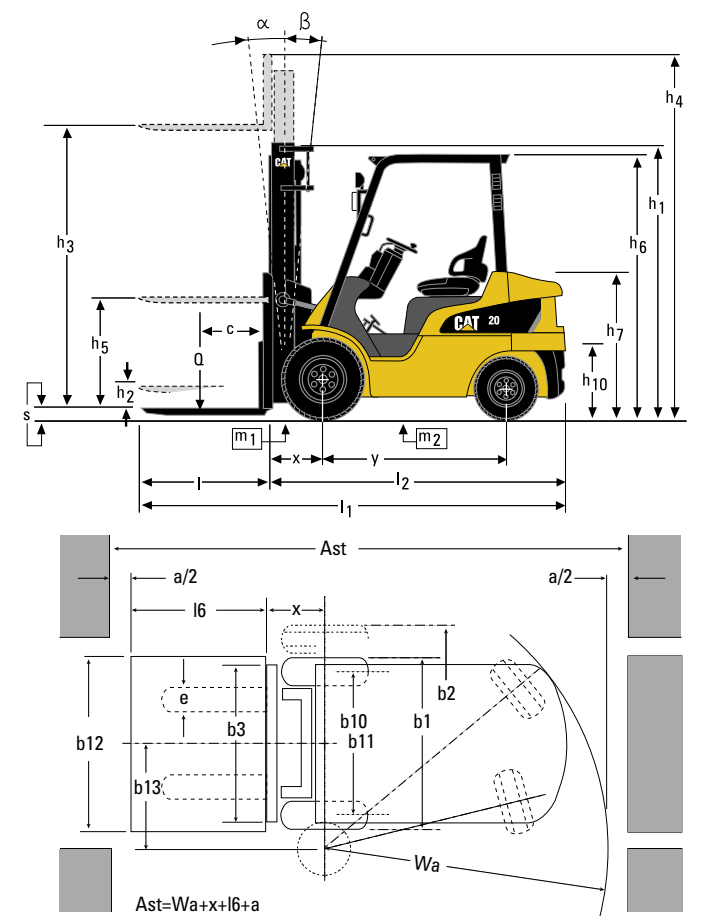
Specifications

**Engine powered lift trucks**

1.5 - 2.0 tonnes

Characteristics			Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks		Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
1.01	Manufacturer (abbreviation)		DP15NT	DP18NT	DP20CNT	GP15NT		GP15ZNT	GP18NT	GP18ZNT	GP20CNT
1.02	Manufacturer's model designation		Diesel	Diesel	Diesel	Petrol		Petrol	Petrol	Petrol	Petrol
1.03	Power source: (battery, diesel, LP gas, petrol)		Seated	Seated	Seated	Seated		Seated	Seated	Seated	Seated
1.04	Operator type: pedestrian, (operator)-standing, -seated		1500	1750	2000	1500		1500	1750	1750	2000
1.05	Load capacity	Q (kg)	500	500	500	500		500	500	500	500
1.06	Load centre distance	c (mm)	400	400	415	400		400	400	400	415
1.08	Load distance, axle to fork face	x (mm)	1400	1400	1400	1400		1400	1400	1400	1400
1.09	Wheelbase	y (mm)									
<b>Weight</b>											
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	2560	2760	3100	2520		2520	2710	2710	3050
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	3580 / 480	3940 / 570	4430 / 670	3580 / 440		3580 / 440	3940 / 520	3940 / 520	4420 / 630
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	1110 / 1450	1060 / 1700	1120 / 1980	1110 / 1410		1110 / 1410	1060 / 1650	1060 / 1650	1110 / 1940
<b>Wheels, Drive Train</b>											
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		L/L	L/L	SE/SE	L/L		L/L	L/L	L/L	SE/SE
3.02	Tyre dimensions, front		6.50-10-10PR	6.50-10-10PR	6.50-10/5.00	6.50-10-10PR		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10/5.00
3.03	Tyre dimensions, rear		5.00-8-8PR	5.00-8-8PR	5.00-8/3.00	5.00-8-8PR		5.00-8-8PR	5.00-8-8PR	5.00-8-8PR	5.00-8/3.00
3.05	Number of wheels, front/rear (x=driven)		2x/2	2x/2	2x/2	2x/2		2x/2	2x/2	2x/2	2x/2
3.06	Track width (centre of tyres), front	b10 (mm)	890	890	890	890		890	890	890	890
3.07	Track width (centre of tyres), rear	b11 (mm)	900	900	900	900		900	900	900	900
<b>Dimensions</b>											
4.01	Mast tilt, forwards/backwards	$\alpha/\beta$ °	6/12	6/12	6/12	6/12		6/12	6/12	6/12	6/12
4.02	Height with mast lowered (see tables)	h1 (mm)	1995	1995	1995	1995		1995	1995	1995	1995
4.03	Free lift (see tables)	h2 (mm)	80	80	80	80		80	80	80	80
4.04	Lift height (see tables)	h3 (mm)	3000	3000	3000	3000		3000	3000	3000	3000
4.05	Overall height with mast raised	h4 (mm)	4045	4045	4045	4045		4045	4045	4045	4045
4.07	Height to top of overhead guard	h6 (mm)	2065	2065	2065	2065		2065	2065	2065	2065
4.08	Seat height	h7 (mm)	1109	1109	1109	1109		1109	1109	1109	1109
4.19	Overall length	l1 (mm)	3330	3371	3429	3330		3330	3371	3371	3429
4.20	Length to fork face (includes fork thickness)	l2 (mm)	2260	2301	2359	2260		2260	2301	2301	2359
4.21	Overall width	b1/b2 (mm)	1065	1065	1065	1065		1065	1065	1065	1065
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	35 x 100 x 1070	35 x 100 x 1070	40 x 110 x 1070	35 x 100 x 1070		35 x 100 x 1070	35 x 100 x 1070	35 x 100 x 1070	40 x 110 x 1070
4.23	Fork carriage to DIN 15 173 A/B/no		2A	2A	2A	2A		2A	2A	2A	2A
4.24	Fork carriage width	b3 (mm)	920	920	920	920		920	920	920	920
4.31	Ground clearance under mast, with load	m1 (mm)	110	110	110	110		110	110	110	110
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	135	135	135	135		135	135	135	135
4.33	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ast (mm)	3550	3580	3637	3550		3550	3580	3580	3637
4.34	Working aisle width with 800 x 1200 mm pallets, crosswise	Ast (mm)	3350	3380	3437	3350		3350	3380	3380	3437
4.35	Turning circle radius	Wa (mm)	1950	1980	2022	1950		1950	1980	1980	2022
<b>Performance</b>											
5.01	Travel speed, with/without load	km/h	19 / 19	19 / 19	19 / 19	19 / 19		19 / 19	19 / 19	19 / 19	19 / 19
5.02	Lifting speed, with/without load	m/s	0.60 / 0.65	0.60 / 0.65	0.60 / 0.65	0.49 / 0.55		0.58 / 0.64	0.49 / 0.55	0.58 / 0.64	0.55 / 0.63
5.03	Lowering speed, with/without load	m/s	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50		0.52 / 0.50	0.52 / 0.50	0.52 / 0.50	0.52 / 0.50
5.05	Rated drawbar pull, with/without load	N	14200 / 13700	14000 / 13600	13700 / 13700	10400 / 10200		13800 / 13400	10300 / 10100	13700 / 13300	13300 / 13400
5.07	Gradeability, with/without load	%	39 / -	34 / -	29 / -	27 / -		37 / -	24 / -	33 / -	29 / -
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic	Hydraulic		Hydraulic	Hydraulic	Hydraulic	Hydraulic
<b>I.C. Engine</b>											
7.01	Manufacturer / Type		S4Q2	S4Q2	S4Q2	K15		K21	K15	K21	K21
7.02	Rated output to ISO 1585	kW	30	30	30	26		34	26	34	34
7.03	Rated speed to DIN 70 020	rpm	2500	2500	2500	2450		2200	2450	2200	2200
7.04	Number of cylinders / cubic capacity	cm3	4 / 2504	4 / 2504	4 / 2504	4 / 1486		4 / 2065	4 / 1486	4 / 2065	4 / 2065
<b>Miscellaneous</b>											
8.01	Type of drive control		Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1		Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1
8.02	Maximum operating pressure for attachments	bar	181	181	181	181		181	181	181	181
8.03	Oil flow for attachments	l/min	62	62	62	52		60	52	60	60

Dual tyres are optional



Ast = Working aisle width with load  
a = Safety clearance (200 mm)  
l6 = Pallet length (800 or 1000 mm)  
b2 = Pallet width (1200 mm)

### Lower Cost of Ownership

- Design improvements have increased the service interval to 500 hours, thus reducing the total cost of ownership.
- Various air-intake options like pre-cleaner or double element cyclone air cleaner with dust warning indicator increase engine service life in dusty applications.
- For operation in demanding applications, cooling options such as heavy duty radiator and dust screen significantly reduce the risk of overheating.

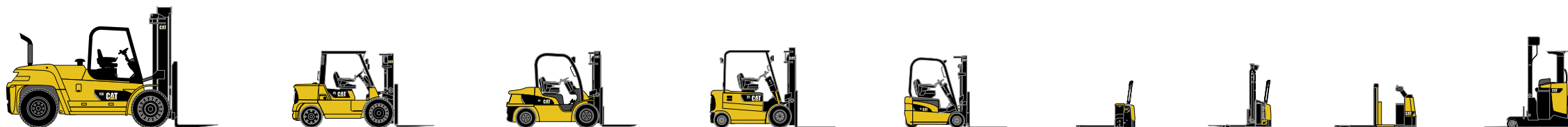
### Unmatched Productivity

- New state-of-the-art Petrol engine with improved performance, lower noise levels and emission and more efficient fuel consumption.

- Special power train layout to lower the center of gravity, increasing truck stability and residual lifting capacities.
- Increased back tilt angle to reduce the risk of loose loads sliding off the forks.

### Safety and Ergonomics

- Adjustable steering column with memory position for comfortable operating positions and easy on/off access.
- Fully hydrostatic steering and small diameter steering wheel for easy maneuvering with reduced effort for the operator.
- Standard seat is fitted with hip restraints, a seat belt and seat switch to prevent truck operation when the operator is not seated.



# Cat® Lift Trucks.

## Your partner in materials handling.

	DP/GP15-18(Z)NT - DP/GP20CNT			DP/GP15(Z)NT		DP/GP18(Z)NT		DP/GP20CNT	
Mast Type	h3	h1	h4	h2/h5	Q @ c=500mm kg	h2/h5	Q @ c=500mm kg	h2/h5	Q @ c=500mm kg
	mm	mm	mm	mm		mm		mm	
Simplex	3000	1995	4045	80	1500	80	1750	80	2000
	3290	2140	4335	80	1500	80	1750	80	2000
	3700	2400	4745	80	1500	80	1750	80	2000
	4090	2585	5135	80	1500*	80	1750	80	1950
	4480	2790	5525	80	1425*	80	1650*		
	5000	3050	6045	80	1325*	80	1600*		
	5500	3300	6545	80	1250*	80	1525*		
6000	3550	7045	80	1200*	80	1325*			
Duplex	3000	1995	4045	950	1500	950	1750	950	2000
	3295	2140	4340	1095	1500	1095	1750	1095	2000
	3510	2260	4570	1205	1500	1200	1750		
	4030	2585	5075	1540	1500	1540	1750		
Triplex	3710	1795	4755	750	1500	750	1750		
	4010	1895	5055	850	1450	850	1725	850	1700
	4310	1995	5355	950	1425	950	1675*	950	1650
	4750	2140	5795	1095	1350*	1095	1625*	1095	1600
	5090	2260	6135	1215	1300*	1215	1575*	1215	1025
	5490	2400	6535	1355	1250*	1355	1500*	1355	625
	5990	2585	7035	1540	1175*	1540	1325*		
	6490	2845	7535	1800	950*	1800	950*		
7000	3050	8045	2005	650*	2005	650*			

### 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)

\* Capacities shown require truck equipped with dual tyres. Consult your dealer for the maximum back tilt allowed, to obtain the capacities specified.

All dimensions include load backrest. In case load backrest is not used h5 will increase by 420 mm, while h4 will decrease by 420 mm.

Cat Lift Trucks is renowned for its worldwide distribution network, but you will always find an experienced and dedicated team of professionals close to you. Individuals committed to helping you maximise profits.

With Cat Lift Trucks, your investment is in safe hands.

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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.

