

Specifications

DP/GP15NT

DP/GP18NT

GP15ZNT

GP18ZNT

DP/GP20CNT



Engine powered lift trucks
1.5 - 2.0 ton

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
			DP15NT	DP18NT	DP20CNT		GP15NT	GP15ZNT	GP18NT	GP18ZNT	GP20CNT
1.1	Manufacturer (abbreviation)		Diesel	Diesel	Diesel		Petrol	Petrol	Petrol	Petrol	Petrol
1.2	Manufacturer's model designation		Seated	Seated	Seated		Seated	Seated	Seated	Seated	Seated
1.3	Power source: (battery, diesel, LP gas, petrol)		500	500	500		500	500	500	500	500
1.4	Operator type: pedestrian, (operator)-standing, -seated		400	400	415		400	400	400	400	415
1.5	Lifting capacity	Q (kg)	1400	1400	1400		1400	1400	1400	1400	1400
1.6	At load centre	c (mm)									
1.8	Load distance	x (mm)									
1.9	Wheelbase	y (mm)									
Weight											
2.1	Truck weight, without load / including battery	kg	2560	2760	3100		2520	2520	2710	2710	3050
2.2	Axle loading with rated load, front/rear	kg	3580/480	3940/570	4430/670		3580/440	3580/440	3940/520	3940/520	4420/630
2.3	Axle loading without load, front/rear	kg	1110/1450	1060/1700	1120/1980		1110/1410	1110/1410	1060/1650	1060/1650	1110/1940
Wheels, Drive Train											
3.1	Tyre type: 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
3.2	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
3.3	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
3.5	Number of wheels, front/rear (x=driven)		2x/2	2x/2	2x/2		2x/2	2x/2	2x/2	2x/2	2x/2
3.6	Distance between centreline of tyres, front	b10 (mm)	890	890	890		890	890	890	890	890
3.7	Distance between centreline of tyres, rear	b11 (mm)	900	900	900		900	900	900	900	900
Dimensions											
4.1	Mast tilt, forwards/backwards	∂/β °	6/12	6/12	6/12		6/12	6/12	6/12	6/12	6/12
4.2	Height with mast lowered	h1 (mm)	1995	1995	1995		1995	1995	1995	1995	1995
4.3	Standard free lift	h2 (mm)	80	80	75		80	80	80	80	75
4.4	Standard lift height	h3 (mm)	3000	3000	3000		3000	3000	3000	3000	3000
4.5	Overall height with mast raised	h4 (mm)	4045	4045	4045		4045	4045	4045	4045	4045
4.7	Height to top of overhead guard	h6 (mm)	2065	2065	2065		2065	2065	2065	2065	2065
4.8	Seat height	h7 (mm)	1109	1109	1109		1109	1109	1109	1109	1109
4.12	Tow coupling height	h10 (mm)									
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 centre of wheelbase, with load	m2 (mm)	135	135	135		135	135	135	135	135
4.33	Working aisle width with 1000 x 1200 mm pallets	Ast (mm)	3550	3580	3637		3550	3550	3580	3580	3637
4.34	Working aisle width with 800 x 1200 mm pallets	Ast (mm)									
4.35	Turning circle radius	Wa (mm)	1950	1980	2022		1950	1950	1980	1980	2022
4.36	Minimum distance between centres of rotation	b13 (mm)									
Performance											
5.1	Travel speed, with/without load	km/h	19/19	19/19	19/19		19/19	19/19	19/19	19/19	19/19
5.2	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
5.3	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
5.5	Rated drawbar pull, with/without load	N	14200/13700	14000/13600	13700/13700		10400/10200	13800/13400	10300/10100	13700/13300	13300/13400
5.7	Gradeability, with/without load	%	39/-	34/-	29/-		27/-	37/-	24/-	33/-	29/-
5.9	Acceleration time, with/without load (0 -10 m)	s									
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
I.C. engine											
7.1	Manufacturer / Type		S402	S402	S402		K15	K21	K15	K21	K21
7.2	Rated output B to ISO 1585	kW	36.1	36.1	36.1		24.1	31.3	24.1	31.3	31.3
7.3	Rated speed to DIN 70 020	rpm	2500	2500	2500		2450	2200	2450	2200	2200
7.4	Number of cylinders / cubic capacity	/cm3	4/2504	4/2504	4/2504		4/1486	4/2065	4/1486	4/2065	4/2065
7.5	Fuel consumption according to VDI cycle	l/h									
Miscellaneous											
8.1	Type of drive control		Powershift / 1	Powershift / 1	Powershift / 1		Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1	Powershift / 1
8.2	Operating pressure for attachments	bar	181	181	181		181	181	181	181	181
8.3	Oil flow for attachments	l/min	62	62	62		52	60	52	60	60
8.4	Noise level, mean value at operator's ear	dB(A)									
8.5	Towing coupling design / DIN type, ref.										

* 1st. speed † Dual tyres are optional



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Mast Type	DP/GP15-18(Z)NT DP/GP20CNT			DP/GP15(Z)NT		DP/GP18(Z)NT		DP/GP20CNT	
	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c=500mm kg	h2/h5 mm	Q @ c=500mm kg	h2/h5 mm	Q @ c=500mm kg
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.