

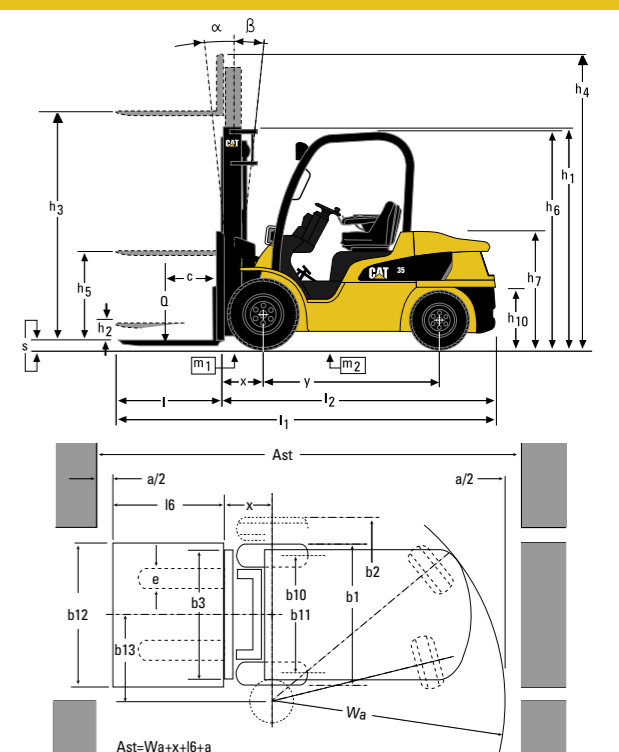


DP/GP20N - DP/GP25N - DP/GP30N DP/GP35N

Specifications

Engine powered lift trucks
2.0 - 3.5 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)		DP20N	DP25N	DP30N	DP35N		GP20N	GP25N	GP30N	GP35N
1.02	Manufacturer's model designation		Diesel	Diesel	Diesel	Diesel		LP gas	LP gas	LP gas	LP gas
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		2.000	2.500	3.000	3.500		2.000	2.500	3.000	3.500
1.05	Load capacity	Q (kg)	500	500	500	500		500	500	500	500
1.06	At load centre	c (mm)	455	455	490	490		455	455	490	490
1.08	Load distance	x (mm)	1600	1600	1700	1700		1600	1600	1700	1700
1.09	Wheelbase	y (mm)									
Weight											
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	3420	3710	4360	4770		3310	3610	4250	4660
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	4690 / 730	5480 / 730	6530 / 830	7270 / 1000		4650 / 660	5440 / 670	6490 / 760	7220 / 940
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	1500 / 1920	1480 / 2230	1780 / 2580	1720 / 3050		1460 / 1850	1440 / 2170	1730 / 2520	1680 / 2980
Wheels, Drive Train											
3.01	Tyre type: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		SE / SE (L/L)	SE / SE (L/L)	SE / SE (L/L)	SE / SE (L/L)		SE / SE (L/L)	SE / SE (L/L)	SE / SE (L/L)	SE / SE (L/L)
3.02	Tyre dimensions, front		7.00-12	7.00-12	28x9-15	250-15		7.00-12	7.00-12	28x9-15	250-15
3.03	Tyre dimensions, rear		6.00-9	6.00-9	6.50-10	6.50-10		6.00-9	6.00-9	6.50-10	6.50-10
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)	960	960	1060	1060		960	960	1060	1060
3.07	Track width (centre of tyres), rear	b11 (mm)	980	980	980	980		980	980	980	980
Dimensions											
4.01	Mast tilt, forwards/backwards	α/β °	6 / 10	6 / 10	6 / 10	6 / 10		6 / 10	6 / 10	6 / 10	6 / 10
4.02	Height with mast lowered (see tables)	h1 (mm)	2145	2145	2165	2300		2145	2145	2165	2300
4.03	Free lift (see tables)	h2 (mm)	100	100	100	100		100	100	100	100
4.04	Lift height (see tables)	h3 (mm)	3300	3300	3270	3300		3300	3300	3270	3300
4.05	Overall height with mast raised	h4 (mm)	4360	4360	4330	4360		4360	4360	4330	4360
4.07	Height to top of overhead guard	h6 (mm)	2145	2145	2165	2175		2145	2145	2165	2175
4.08	Seat height	h7 (mm)	1114	1114	1114	1114		1114	1114	1114	1114
4.12	Tow coupling height	h10 (mm)	310	310	330	340		310	310	330	340
4.19	Overall length	l1 (mm)	3558	3625	3795	3860		3558	3625	3795	3860
4.20	Length to fork face (includes fork thickness)	l2 (mm)	2488	2555	2725	2790		2488	2555	2725	2790
4.21	Overall width	b1/b2 (mm)	1150 / 1640	1150 / 1640	1275 / 1690	1290 / 1690		1150 / 1640	1150 / 1640	1275 / 1690	1290 / 1690
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	40 x 100 x 1070	40 x 100 x 1070	45 x 125 x 1070	45 x 125 x 1070		40 x 100 x 1070	40 x 100 x 1070	45 x 125 x 1070	45 x 125 x 1070
4.23	Fork carriage to DIN 15 173 A/B/no		2A	2A	3A	3A		2A	2A	3A	3A
4.24	Fork carriage width	b3 (mm)	1000	1000	1000	1000		1000	1000	1000	1000
4.31	Ground clearance under mast, with load	m1 (mm)	115	115	135	150		115	115	135	150
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	135	135	165	170		135	135	165	170
4.33	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ast (mm)	3855	3885	4070	4130		3855	3885	4070	4130
4.34	Working aisle width with 800 x 1200 mm pallets, crosswise	Ast (mm)	3655	3685	3870	3930		3655	3685	3870	3930
4.35	Turning circle radius	Wa (mm)	2196	2233	2380	2440		2196	2233	2380	2440
4.36	Minimum distance between centres of rotation	b13 (mm)									
Performance											
5.01	Travel speed, with/without load	km/h	19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5		19 / 19.5	19 / 19.5	19 / 19.5	19 / 19.5
5.02	Lifting speed, with/without load	m/s	0.64 / 0.67	0.64 / 0.67	0.51 / 0.54	0.43 / 0.46		0.59 / 0.61	0.59 / 0.61	0.52 / 0.53	0.43 / 0.44
5.03	Lowering speed, with/without load	m/s	0.50 / 0.50	0.50 / 0.50	0.53 / 0.50	0.42 / 0.40		0.50 / 0.50	0.50 / 0.50	0.53 / 0.50	0.42 / 0.40
5.05	Rated drawbar pull, with/without load	N	17200 / 16700	17000 / 16600	16600 / 16600	15800 / 15800		15200 / 14900	15000 / 14800	17700 / 17700	16900 / 16900
5.07	Gradeability, with/without load	%	34 / -	29 / -	24 / -	20 / -		30 / -	26 / -	26 / -	22 / -
5.09	Acceleration time (10 metres) with/without load	s									
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic	Hydraulic		Hydraulic	Hydraulic	Hydraulic	Hydraulic
IC Engine motors											
7.01	Manufacturer / Type		S4S-DPB 38kW	S4S-DPB 38kW	S4S-DPB 38kW	S4S-DPB 38kW		K21 LE	K21 LE	K25 LE	K25 LE
7.02	Rated output B to ISO 1585	kW	38.0	38.0	38.0	38.0		42	42	47	47
7.03	Rated speed to DIN 70 020	rpm	2300	2300	2300	2300		2700	2700	2700	2700
7.04	Number of cylinders / cubic capacity	cm3	4 / 3331	4 / 3331	4 / 3331	4 / 3331		4 / 2065	4 / 2065	4 / 2488	4 / 2488
7.05	Fuel consumption according to VDI cycle	l/h / kg/h	-	-	-	-		-	-	-	-
Miscellaneous											
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	180	180	180	180		180	180	180	180
8.03	Oil flow for attachments	l/min	75	75	73	73		68	68	73	73
8.04	Noise level, mean value at operator's ear	dB(A)	-	-	-	-		79	79	79	79
8.05	Towing coupling design / DIN type, ref.										



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

Lower Cost of Ownership

- Design improvements have extended the service interval to 500* hours, thus reducing the total cost of ownership.
- Vehicle Control Unit controls various safety functions and allows easy troubleshooting of all electronic components.

Unmatched Productivity

- New state-of-the-art LPG engine with engine management system and regulated catalytic converter for improved performance, lower noise levels and emission and more efficient fuel consumption.
- Special power train layout to lower the centre of gravity, increasing truck stability and residual lifting capacities.
- Reliable high performance diesel engine, with low exhaust emission and low fuel consumption.

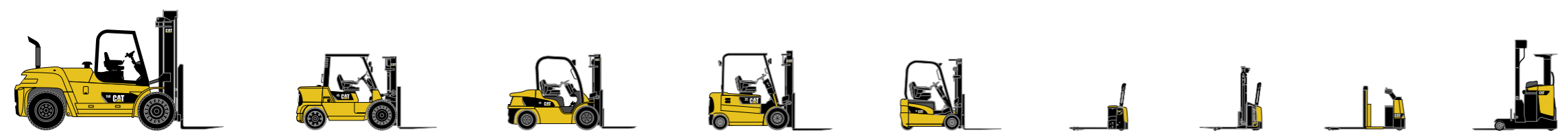
Safety and Ergonomics

- Safety seat switch prevents truck operation when the operator is not seated.
- Low noise levels which increase operator comfort.
- Advanced fingertip hydraulic controls mounted on an adjustable armrest for optimum load handling precision.
- Optional manual controls.
- Automotive style pedal layout.
- Adjustable steering column with memory position for comfortable operation.
- Low step in chassis for easy on / off access.

Options

- Factory fitted panel cabin and full floating tilttable cabin.
- Elevated exhaust.
- Additional working lights and revolving lamps.
- Dual front wheels.
- Tilt horizontal controls.
- Integral side shifter.

*conditions apply



Cat® Lift Trucks.

Your partner in materials handling.

Mast Type	DP/GP20N - DP/GP25N			DP/GP20N		DP/GP25N		DP/GP30N				
	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c=500mm kg	h2/h5 mm	Q @ c=500mm kg	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c=500mm kg
Simplex	3000	1995	4050	100	2000	100	2500	3030	2050	4090	100	3000
	3300	2145	4340	100	2000	100	2500	3270	2170	4330	100	3000
	3740	2410	4770	100	2000	100	2500	3700	2430	4760	100	3000
	4100	2590	5140	100	2000	100	2500	4000	2610	5060	100	3000
	4500	2800	5530	100	2000	100	2500	4500	2870	5560	100	3000
	5000	3050	6050	100	1950	100	2400	5000	3120	6060	100	2900
	5500	3300	6550	100	1850*	100	2250*	5500	3370	6560	100	2800
6000	3550	7050	100	1800*	100	2150*	6000	3640	7060	100	2700	
Duplex	3000	1995	4050	980	2000	980	2500	3000	2050	4060	1030	3000
	3300	2145	4340	1130	2000	1130	2500	3250	2170	4310	1150	3000
	3700	2410	4750	1390	2000	1390	2500	3700	2430	4760	1420	3000
	4020	2590	5080	1570	2000	1570	2500	4010	2610	5070	1600	3000
Triplex	3730	1800	4760	780	2000	780	2500	3690	1830	4750	810	3000
	4030	1900	5060	880	2000	880	2500	3990	1930	5050	910	3000
	4300	2000	5360	980	1950	980	2500	4320	2050	5380	1030	3000
	4750	2140	5800	1130	1900	1130	2400	4700	2170	5760	1150	3000
	5060	2260	6140	1250	1850	1250	2350	5060	2290	6120	1270	2900
	5500	2400	6540	1390	1800	1390	2200*	5450	2430	6510	1420	2800
	5990	2590	7040	1570	1750*	1570	2100*	5970	2610	7030	1600	2700
	6490	2850	7540	1830	1650*	1830	1750*	6470	2870	7530	1860	2350
7000	3050	8050	2040	1250*	2040	1250*	7000	3070	8060	2060	1600	

Mast Type	DP/GP35N				
	h3 mm	h1 mm	h4 mm	h2/h5 mm	Q @ c=500mm kg
Simplex	3000	2180	4060	100	3500
	3300	2300	4360	100	3500
	3720	2510	4780	100	3500
	4000	2770	5060	100	3500
	4500	3010	5560	100	3500
	5000	3260	6060	100	3500
	5500	3510	6560	100	3350
6000	3760	7060	100	3250	
Duplex	3010	2180	4070	1170	3500
	3300	2300	4360	1290	3500
	3720	2625	4780	1610	3500
	4000	2770	5060	1750	3500
Triplex	3730	1940	4790	930	3500
	4010	2060	5070	1050	3500
	4390	2180	5450	1170	3500
	4700	2300	5760	1290	3500
	5030	2450	6090	1430	3450
	5580	2630	6640	1610	3300
	6000	2770	7060	1750	3200
	6510	2940	7570	1930	2350
7000	3140	8060	2120	1600	

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)

All dimensions include load backrest. In case load backrest is not used h5 will increase by 390 mm (20N, 25N), 350 mm (30N), 240 mm (35N), while h4 will decrease by 390 mm (20N, 25N), 350 mm (30N), 240 mm (35N).

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

The capacities are applicable for pneumatic shaped solid tyres (SE).

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.

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