

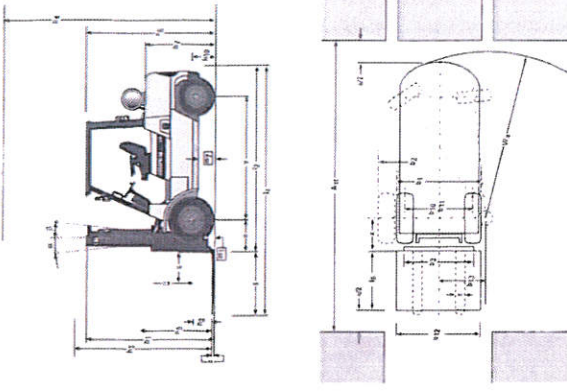
Specifications

DP/GP40K
DP/GP40KL
DP/GP45K
DP/GP50K

CAT Lift
Trucks



Engine powered lift trucks
4.0 - 5.0 tonnes



$A_{st} = W_2 + x + l_g + a$
 A_{st} = Working aisle width with load
 x = Safety clearance (200 mm)
 l_g = Pallet length (950 or 1050 mm)
 W_2 = Pallet width (1250 mm)

Characteristics	DP40K Diesel	GP40K LPG	DP40K Diesel	GP40K LPG	DP40K Diesel	GP40K LPG	DP45K Diesel	GP45K LPG	DP50K Diesel	GP50K LPG
1.01 Manufacturer (abbreviation)	Cat Lift Trucks									
1.02 Manufacturer's model designation	Cat Lift Trucks									
1.03 Power source: (Diesel, LP Gas)	Cat Lift Trucks									
1.04 Operator type: pedestrian, operator-standing, -seated	Seated									
1.05 Lifting capacity	4 (3.5)	4 (4.5)	4 (4.5)	4 (4.5)	5	5	5	5	5	5
1.06 At load centre	500 (600)	600 (600)	600 (600)	600 (600)	600 (500)	600 (500)	600 (500)	600 (500)	600 (500)	600 (500)
1.08 Load distance	557	557	557	557	562	562	562	562	562	562
1.09 Wheelbase	2000	2000	2000	2000	2000	2000	2000	2000	2150	2150
2.01 Truck weight, without load	5710	5570	6120	5970	6500	6300	7160	7050	7160	7050
2.02 Axle loading with rated load, front/rear	8570/1040	8590/990	8660/1260	8750/1220	9740/1440	9510/1520	10707/450	10630/400	10707/450	10630/400
2.03 Axle loading without load, front/rear	2580/3150	2490/3110	2550/3570	2440/3530	2670/4050	2390/4140	2950/4200	2920/4150	2950/4200	2920/4150
3.01 Tyre type: V-solid, L-pneumatic, SE-solid pneumatic - FR	L/L									
3.02 Tyre dimensions, front	300 x 15-18 PR									
3.03 Tyre dimensions, rear	7.00 x 12-14PR									
3.05 Number of wheels, front/rear (s/drive)	2x2									
3.06 Distance between centreline of tyres, front	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175
3.07 Distance between centreline of tyres, rear	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
4.01 Mast tilt, forward/backwards	6/10									
4.02 Height with mast lowered	2320	2320	2320	2320	2400	2400	2400	2400	2400	2400
4.03 Standard free lift	100	100	100	100	100	100	100	100	100	100
4.04 Standard lift height	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300
4.05 Overall height with mast raised	4570	4570	4570	4570	4570	4570	4570	4570	4570	4570
4.07 Height to top of overhead guard	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
4.08 Seat height	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093
4.12 Tow coupling height	4290	4290	4290	4290	4290	4290	4290	4290	4290	4290
4.19 Overall length	3070	3120	3120	3120	3125	3125	3125	3125	3125	3125
4.20 Length to fork face (includes fork thickness)	1415/1965	1415/1965	1400/1965	1400/1965	1420/1965	1420/1965	1420/1965	1420/1965	1420/1965	1420/1965
4.21 Overall width (single/dual tyres)	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720	50,150,1720
4.22 Fork dimensions (thickness, width, length)	3A									
4.23 Fork carriage to DIN 15 173 A/B/c/o	3A									
4.24 Fork carriage width	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190
4.31 Ground clearance under mast, with load	150	150	150	150	150	150	150	150	150	150
4.32 Ground clearance centre of wheelbase, with load	252	252	252	252	252	252	252	252	252	252
4.33 Working aisle width with 1000 x 1200 mm pallets	4492	4492	4492	4492	4582	4582	4582	4582	4582	4582
4.34 Working aisle width with 800 x 1200 mm pallets	4292	4292	4292	4292	4382	4382	4382	4382	4382	4382
4.35 Turning circle radius	2735	2735	2735	2735	2830	2830	2830	2830	2830	2830
4.36 Minimum distance between centres of rotation	870	870	870	870	870	870	870	870	870	870
5.01 Performance	21023/225113*									
5.02 Travel speed, with/without load	17.5/15.5	18/19.5	18/19.5	18/19.5	17.5/15.5	18/19.5	20.023/17.5/15.5	21023/225113*	20.023/17.5/15.5	21023/225113*
5.03 Lifting speed, with/without load	5.00/5.20	5.10/5.10	5.00/5.20	5.10/5.10	4.30/4.50	4.40/4.40	4.30/4.50	4.40/4.40	4.30/4.50	4.40/4.40
5.04 Lowering speed, with/without load	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00	5.00/5.00
5.05 Rated drawbar pull, with/without load	19400/17500	24000/17000	19000/17000	24000/17000	26000/18000	26000/18000	26000/18000	26000/18000	26000/18000	26000/18000
5.07 Gradability, with/without load	20.6/23.1	25.8/27.4	20.5/25.5	25.8/27.4	19.4/24.1	23.0/22.3	25.5/26.3	25.4/25.7	25.5/26.3	25.4/25.7
5.09 Acceleration time, with/without load (0-15 km/h)	N/A	N/A	N/A	N/A	N/A	N/A	4.59/3.39	4.70/4.10	4.59/3.39	4.70/4.10
5.10 Service brakes (mechanical/hydraulic/electric/pneumatic)	Hydraulic									
7.01 Manufacturer/type	MH/SSS									
7.02 Rated output E to ISO 1985	60.3	72	60.3	72	60.3	72	60.3	72	60.3	72
7.03 Rated speed to DIN 70020	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
7.04 Number of cylinders/displacement	6/4996	6/4900	6/4996	6/4900	6/4996	6/4900	6/4996	6/4900	6/4996	6/4900
7.05 Fuel consumption according to VDI cycle	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Miscellaneous	N/A									
8.01 Type of drive control	PowerShift 1/1									
8.02 Operating pressure for attachments	191									
8.03 Oil flow for attachments	N/A									
8.04 Noise level, mean value at operator's ear	81									
8.05 Towing coupling design (DIN type, ref.)	Pin									

* 1st speed

Safety & Ergonomics

- Range of high visibility Simplex, Duplex and Triplex masts for precise application match and safe load handling.
- Adjustable fingertip hydraulic control for effortless and precise load handling.
- Auto-light switch when entering dark spaces for safe material handling.
- Small diameter steering wheel on adjustable steer column.
- Hydrostatic steering for precise manoeuvring.

Low Cost of Ownership

- Anti-clogging cooling system ensures optimal engine temperature for long life and low maintenance costs.
- High air intake in the overhead guard for reduction of maintenance.
- Tangible grease points ensure durability in the toughest environments.
- DP/GP 40K, 40KL and 45K boast capacity ratings of 500mm and 600mm.
- Quality engineering for long life, inter-reliability and low handling costs.

Useful Options

- Hydraulic relief valve kit
- Brake booster filter kit
- Greasable universal joint
- Hi-speed fan
- Speed limit option for LPG
- Lockable fuel cap

Unmatched Productivity

- Enhanced performance and minimal noise and exhaust emissions.
- Sophisticated LPG engine management and protection system.
- Advanced fuel and ignition system reduces the need for engine tuning.
- 500 hours service intervals.



Cat® Lift Trucks.

Your partner in materials handling.

Mast Type	DP/GP40K, DP/GP40KL					DP/GP40K		DP/GP40KL	
	h3	h1	h4	h2	h5	Q @	Q @	Q @	Q @
	mm	mm	mm	mm		c=500mm kg	c=600mm kg	c=500mm kg	c=600mm kg
Simplex	3000	2170	4270	100		4000	3500	4500	4000
	3300	2320	4570	100		4000	3500	4500	4000
	3700	2520	4970	100		4000	3500	4500	4000
	4000	2700	5270	100		4000	3500	4500	4000
	4500	3000	5770	100		4000	3500	4500	4000
	5000	3250	6270	100		4000	3500	4500	4000
	5500	3500	6770	100		3700*	3500*	4300*	4000*
6000	3750	7270	100		3600*	3400*	4100*	3900*	
Duplex	3000	2170	4265	905		4000	3500	4500	4000
	3300	2320	4565		1055	4000	3500	4500	4000
	3700	2520	4965		1255	4000	3500	4500	4000
	4060	2700	5325		1435	4000	3500	4500	4000
Triplex	3700	1950	4965		685	4000	3500	4500	4000
	4000	2050	5265		785	4000	3500	4500	4000
	4360	2170	5625		905	4000	3500	4500	4000
	4700	2285	5965		1020	4000	3500	4500	4000
	5050	2400	6315		1135	3900	3500	4500	4000
	5500	2550	6765		1285	3700*	3400*	4200*	4000*
	6000	2750	7265		1485	3600*	3300*	4100*	3800*
	6500	2950	7765		1685	3200*	3200*	4100*	3200*
	7000	3150	8265		1885	2400*	2400*	4100*	2400*

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.

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.

Mast Type	DP/GP45K						Q @	Q @
	h3	h1	h4	h2	h5	c=500mm kg	c=600mm kg	
	mm	mm	mm	mm				
Simplex	3000	2250	4270	100		5000	4500	
	3300	2400	4570	100		5000	4500	
	3700	2600	4970	100		5000	4500	
	4000	2850	5270	100		5000	4500	
	4500	3100	5770	100		5000	4500	
	5000	3350	6270	100		5000*	4500	
	5500	3600	6770	100		4900*	4500*	
	6000	3850	7270	100		4200*	4200*	
	Duplex	2970	2250	4230		985	5000	4500
3280		2400	4540		1135	5000	4500	
3480		2500	4740		1235	5000	4500	
4080		2850	5340		1585	5000	4500	
Triplex	3700	2050	4965		785	5000	4500	
	4040	2170	5305		905	5000	4500	
	4310	2260	5575		995	5000	4500	
	4750	2400	6015		1135	5000	4500	
	5050	2500	6315		1235	5000*	4500	
	5500	2650	6765		1385	4800*	4500*	
	6000	2850	7265		1585	4200*	4300*	
	6500	3050	7765		1785	3200*	3200*	
	7000	3250	8265		1985	2400*	2400*	

Mast Type	DP/GP50K							Q @	Q @
	h3	h1	h4	h2	h5	c=500mm kg	c=600mm kg		
	mm	mm	mm	mm					
Simplex	3000	2250	4290	100		—	5000		
	3300	2400	4590	100		—	5000		
	3700	2600	4990	100		—	5000		
	4000	2850	5290	100		—	5000		
	4500	3100	5790	100		—	5000		
	5000	3350	6290	100		—	5000*		
	5500	3600	6790	100		—	5000*		
	6000	3850	7290	100		—	4300*		
	Duplex	2970	2250	4250		965	—	5000	
3280		2400	4560		1115	—	5000		
3480		2500	4760		1215	—	5000		
4080		2850	5360		1565	—	5000		
Triplex	3700	2050	4980		765	—	5000		
	4040	2170	5320		885	—	5000		
	4310	2260	5590		975	—	5000		
	4750	2400	6030		1115	—	5000		
	5050	2500	6330		1215	—	5000*		
	5500	2650	6780		1365	—	5000*		
	6000	2850	7280		1565	—	4300*		
	6500	3050	7780		1765	—	3300*		
	7000	3250	8280		1965	—	2500*		



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CESC0697(10/04)ok
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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.