



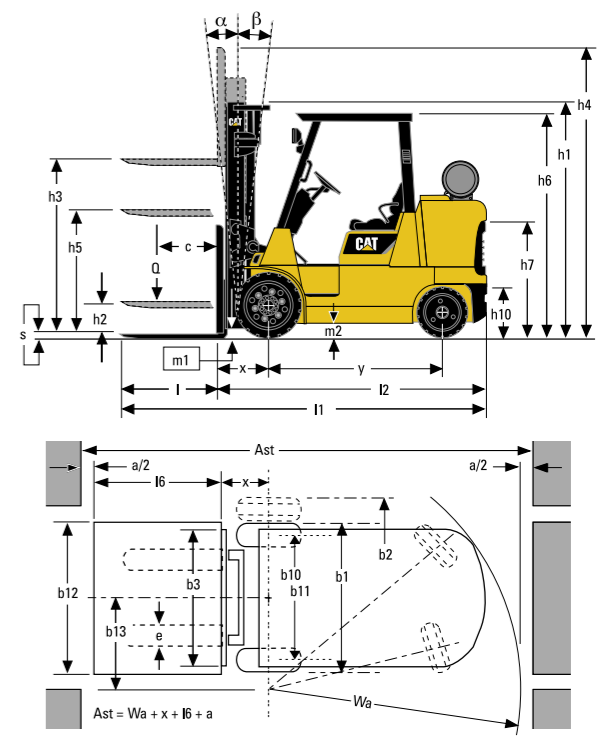
**GC35K - GC40K/40K STR - GC45K STR**  
**GC45K SWB - GC55K/55K STR**  
**GC60K - GC70K/70K STR**

Specifications

**Engine powered lift trucks**

3.5 - 7.0 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	Cat Lift Trucks	Cat Lift Trucks
			GC35K	GC40K	GC40K STR	GC45K SWB	GC45K STR			GC55K	GC55K STR	GC60K	GC70K	GC70K STR
1.01	Manufacturer (abbreviation)		LP Gas	LP Gas	LP Gas	LP Gas	LP Gas			LP Gas	LP Gas	LP Gas	LP Gas	LP Gas
1.02	Manufacturer's model designation		Seated	Seated	Seated	Seated	Seated			Seated	Seated	Seated	Seated	Seated
1.03	Power source: (battery, diesel, LP gas, petrol)		Q (kg)	3500	4000	4000	4500	4500		5500	5500	6000	7000	7000
1.04	Operator type: pedestrian, (operator)-standing, -seated		c (mm)	500	500	500	600	600		600	600	600	600	600
1.05	Load capacity		x (mm)	450	450	450	465	465		480	480	530	530	530
1.06	Load centre distance		y (mm)	1575	1575	1575	1575	1575		1780	1780	1830	1830	1830
1.08	Load distance, axle to fork face													
1.09	Wheelbase													
Weight														
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	5240	5570	5655	6470	6510			7190	7550	8760	9480	9920
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	7670/1030	8440/1160	8310/930	9520/1480	9755/1250			11260/1140	11435/1535	13040/1760	14590/1910	15000/2030
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	2050/3150	2025/3575	2240/3370	1925/4575	2080/4385			2425/4775	2655/4865	3300/5500	3300/6200	3600/6400
Wheels, Drive Train														
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		V/V	V/V	V/V	V/V	V/V			V/V	V/V	V/V	V/V	V/V
3.02	Tyre dimensions, front		22x9x16	22x9x16	22x9x16	22x9x16	22x9x16			22x12x16	22x12x16	28x12x22	28x12x22	28x12x22
3.03	Tyre dimensions, rear		18x7x12.1	18x7x12.1	18x7x12.1	18x7x12.1	18x7x12.1			18x8x12.1	18x8x12.1	22x8x16	22x8x16	22x8x16
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	2x/2	2x/2
3.06	Track width (centre of tyres), front	b10 (mm)	940	940	940	940	940			1015	1015	1130	1130	1130
3.07	Track width (centre of tyres), rear	b11 (mm)	980	980	980	980	980			965	965	1160	1160	1160
Dimensions														
4.01	Mast tilt, forwards/backwards	$\alpha/\beta$ °	5/10	5/10	5/10	5/10	5/10			5/10	5/10	6/9	6/9	6/9
4.02	Height with mast lowered (see tables)	h1 (mm)	2120	2120	2120	2120	2120			2120	2120	2150	2150	2150
4.03	Free lift (see tables)	h2 (mm)	150	150	150	160	160			160	160	165	165	165
4.04	Lift height (see tables)	h3 (mm)	3000	3000	3000	2850	2850			2840	2840	2295	2295	2295
4.05	Overall height with mast raised	h4 (mm)	4270	4270	4270	4120	4120			4120	4120	3580	3580	3580
4.07	Height to top of overhead guard	h6 (mm)	2205	2205	2205	2205	2205			2205	2205	2255	2255	2255
4.08	Seat height	h7 (mm)	1200	1200	1200	1200	1200			1200	1200	1285	1285	1285
4.19	Overall length	l1 (mm)	3730	3770	3630	3840	3715			4130	3875	4170	4170	3950
4.20	Length to fork face (includes fork thickness)	l2 (mm)	2510	2550	2411	2620	2495			2910	2655	2950	2950	2730
4.21	Overall width	b1/b2 (mm)	1180	1180	1180	1180	1180			1320	1320	1440	1440	1440
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	50x150x1220	50x150x1220	50x150x1220	50x150x1220	50x150x1220			60x150x1220	60x150x1220	65x150x1220	65x150x1220	65x150x1220
4.23	Fork carriage to DIN 15 173 A/B/no		3A	3A	3A	3A	3A			4A	4A	4A	4A	4A
4.24	Fork carriage width	b3 (mm)	1125	1125	1125	1125	1125			1125	1125	1295	1295	1295
4.31	Ground clearance under mast, with load	m1 (mm)	100	100	100	100	100			100	100	100	100	100
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	150	150	150	150	150			150	150	200	200	200
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm)	3885	3935	3741	4005	3899			4230	4030	4300	4300	4200
4.34	Working aisle width with 800 x1200 mm pallets, crosswise	Ast (mm)	3685	3735	3541	3805	3699			4030	3830	4100	4100	4000
4.35	Turning circle radius	Wa (mm)	2235	2285	2091	2340	2234			2550	2350	2570	2570	2470
Performance														
5.01	Travel speed, with/without load	km/h	19.0/19.5	19.0/19.5	19.0/19.5	18.5/19.5	18.5/19.5			18.0/19.5	18.0/19.5	21.0/23.0	20.5/23.0	20.5/22.5
5.02	Lifting speed, with/without load	m/s	0.54/0.57	0.54/0.57	0.54/0.57	0.39/0.42	0.39/0.42			0.39/0.42	0.39/0.42	0.36/0.39	0.36/0.39	0.36/0.39
5.03	Lowering speed, with/without load	m/s	0.55/0.50	0.55/0.50	0.55/0.50	0.44/0.41	0.44/0.41			0.44/0.41	0.44/0.41	0.54/0.39	0.54/0.39	0.54/0.39
5.07	Gradeability, with/without load	%	37	33	32	27	-			22.5	22	24.5	21.5	20.5
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)	%	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
IC Engine														
7.01	Manufacturer / Type		GM V6	GM V6	GM V6	GM V6	GM V6			GM V6	GM V6	GM V6	GM V6	GM V6
7.02	Rated output to ISO 1585		69	69	69	69	69			69	69	69	69	69
7.03	Rated speed to DIN 70 020	kW	2450	2450	2450	2450	2450			2450	2450	2450	2450	2450
7.04	Number of cylinders / cubic capacity	rpm	4300	4300	4300	4300	4300			4300	4300	4300	4300	4300
Miscellaneous		cm3												
8.01	Type of drive control		Powershift/1	Powershift/1	Powershift/1	Powershift/1	Powershift/1			Powershift/1	Powershift/1	Powershift/2	Powershift/2	Powershift/2
8.02	Maximum operating pressure for attachments		155	155	155	155	155			155	155	155	155	155
8.03	Oil flow for attachments	bar	95	95	95	95	95			95	95	115	115	115
8.04	Noise level, value at operator's ear (EN 12053)	l/min	83.5	83.5	83.5	83.5	83.5			83.5	83.5	83.5	83.5	83.5
8.05	Towing coupling design / DIN type, ref.	dB(A)	Pin	Pin	Pin	Pin	Pin			Pin	Pin	Pin	Pin	Pin



### Lower Cost of Ownership

- Informative display panel reduces costly, unscheduled downtime.
- Easy to access engine allows for quick, easy inspection and maintenance.
- Rugged mast offers good visibility, while tapered fork bars allow good visibility through the carriage.
- Hydraulic cushioning on Triplex masts reduces the risk of load damage.

### Unmatched Productivity

- Powered by a proven engine giving smooth, quiet performance and high torque at low speeds - essential for handling heavy loads.
- Electronically-controlled VORTEC® induction system optimizes fuel and air mixture to give efficient low-end power.
- Short wheelbase and a small turning radius give good maneuverability.
- STR models feature extra-heavy counterweights. This permits a short turning radius, giving greater maneuverability and rearward visibility.
- Vacuum-boosted brake system for easy operation.
- 3.5 - 5.5 tonne models feature a single speed power shift transmission, while 6.0 - 7.0 tonne models feature a two-speed automatic transmission.

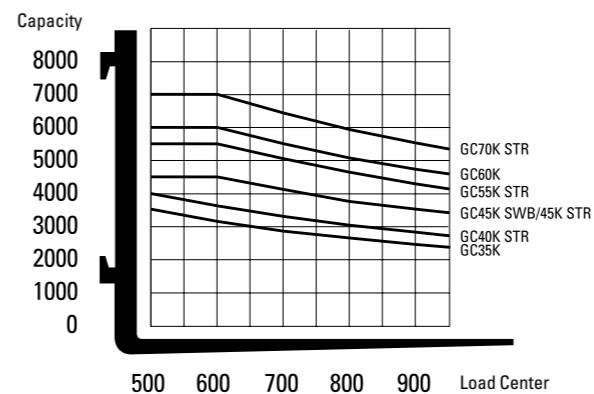
### Safety & Ergonomics

- An open-step frame and easy-to-reach grab bar allow easy entry and exit.
- Noise reduction and vibration damping, reducing operator fatigue.
- Adjustable, full suspension seat enhances operator comfort by resisting shock and vibration from rough and uneven surfaces.
- Adjustable tilt able steering column gives improved operator comfort.
- The hydraulic controls allow precise, short-throw operation.
- The seat activated transmission interlock system disengages the drive function if the operator leaves the seat.

### Options

- Speed limit options
- Foot directional control
- Double element cyclone air cleaner
- Non marking tires
- Dust proof kit for hydraulic tank and pump
- Rear view mirror

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



# Cat<sup>®</sup> Lift Trucks.

## Your partner in materials handling.

GC35K - GC40K STR - GC40K					GC35K	GC40K STR	GC40K
Mast Type	h3	h1	h4	h2 / h5	Q @ c = 500mm kg	Q @ c = 500mm kg	Q @ c = 500mm kg
	mm	mm	mm	mm			
Simplex	3000	2120	4250	100	3500	4000	4000
	3300	2270	4550	100	3500	4000	4000
	3700	2470	4950	100	3500	4000	4000
	4000	2650	5250	100	3500	4000	4000
	4500	2950	5750	100	3500	4000	4000
	5000	3200	6250	100	3500	3850	4000
	5250	3300	6500	100	3450	3500	3600
	5500	3450	6750	100	2600	2600	2650
Duplex	6000	3700	7250	100	1400	1400	1450
	3000	2120	4250	870	3500	4000	4000
	3230	2270	4480	1020	3500	4000	4000
	3650	2470	4900	1220	3500	4000	4000
Triplex (*)	3910	2650	5150	1430	3500	4000	4000
	4000	2000	5250	750	3500	4000	4000
	4360	2120	5610	870	3500	3950	4000
	4600	2200	5850	950	3500	3850	4000
	5050	2350	6300	1100	3400	3750	3900
	5260	2420	6510	1170	3350	3700	3850
	5500	2500	6750	1250	3300	3650	3800
	6000	2700	7250	1450	3000	3000	3000
	6500	2900	7750	1650	2650	2650	2650
	7000	3100	8250	1850	1650	1650	1650

GC60K - GC70K - GC70K STR					GC60K	GC70K	GC70K STR	
Mast Type	h3	h1	h4	h2 / h5	Q @ c = 500mm kg	Q @ c = 500mm kg	Q @ c = 500mm kg	
	mm	mm	mm	mm				
Simplex	2300	2150	3585	100	6000	7000	7000	
	3000	2500	4285	100	6000	7000	7000	
	3300	2650	4585	100	6000	7000	7000	
	3500	2750	4785	100	6000	7000	7000	
	4000	3000	5285	100	6000	7000	7000	
	4500	3250	5785	100	6000	7000	7000	
	5000	3600	6285	100	6000	7000	7000	
	5500	3850	6785	100	6000	6900	6900	
	6000	4100	7285	100	5850	6700	6700	
	Triplex (*)	3700	2200	4985	915	6000	7000	7000
		4300	2400	5585	1115	6000	7000	7000
4700		2525	5985	1240	6000	7000	7000	
5000		2625	6285	1340	6000	7000	7000	
5500		2800	6785	1515	6000	6850	6850	
5860		2920	7145	1635	5850	6700	6700	
6500		3200	7785	1915	5600	6500	6500	
7050		3400	8335	2115	4300	4300	4300	
7520		3550	8805	2265	2650	2650	2650	

## Mast Performance and Capacity

- h1 Height with mast lowered  
h2 Standard free lift  
h3 Standard lift height  
h4 Height with mast raised  
h5 Full free lift  
Q Lifting capacity, rated load  
c Load centre (distance)
- Note: SWB = Short Wheel Base  
STR = Short Turn Radius
- (Consult your dealer for the maximum back tilt allowed to obtain the capacities specified.)
- (\*) Values applicable for wide axle only.

GC45K SWB - GC45K STR - GC55K - GC55K STR									
Mast Type	h3	h1	h4	h2 / h5	Q @ c = 500mm kg	Q @ c = 500mm kg	Q @ c = 500mm kg	Q @ c = 500mm kg	
	mm	mm	mm	mm					
Simplex	2840	2120	4125	100	4500	4500	5500	5500	
	3300	2350	4585	100	4500	4500	5500	5500	
	3500	2450	4785	100	4500	4500	5500	5500	
	4000	2800	5285	100	4500	4500	5500	5500	
	4500	3050	5785	100	4500	4500	5500	5500	
	5000	3300	6285	100	4500	4500	5000	5350	
	5250	3400	6535	100	4000	4500	5500	5250	
	5500	3550	6785	100	2700	4400	4500	4500	
	6060	3800	7285	100	-	2600	2600	2600	
	Duplex	2785	2120	4080	835	4500	4500	5500	5500
		3265	2350	4560	1065	4500	4500	5500	5500
3465		2450	4760	1165	4500	4500	5500	5500	
4065		2800	5360	1515	4500	4500	5500	5500	
Triplex (*)		4310	2120	5560	870	4500	-	-	-
	4580	2210	5830	960	4500	-	-	-	
	GC45K SWB	4750	2350	6000	1100	4500	-	-	-
		5050	2450	6300	1200	4500	-	-	-
		5260	2520	6510	1270	4450	-	-	-
		5500	2600	6750	1350	4400	-	-	-
		6000	2800	7250	1550	3200	-	-	-
		6500	3000	7750	1750	2700	-	-	-
		7000	3200	8250	1950	-	-	-	-
		Triplex (*)	4040	2120	5325	835	-	4500	5500
4310			2210	5595	925	-	4500	5500	5500
4750			2350	6035	1065	-	4500	5500	5400
GC45K STR	5050		2450	6335	1165	-	4500	5500	5300
	5260		2520	6545	1235	-	4450	5400	5200
	5500		2600	6785	1315	-	4400	5350	5150
	6000		2800	7285	1515	-	4250	5100	5000
	6500		3000	7785	1715	-	4050	4250	4250
	7000		3200	8285	1915	-	2650	2650	2650

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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.

