



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

Specifications

Engine powered lift trucks

3.5 - 7.0 tonnes

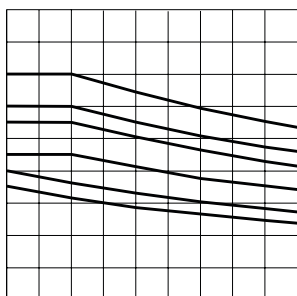
Characteristics			Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
1.1	Manufacturer (abbreviation)						
1.2	Manufacturer's model designation		GC35K	GC40K	GC40K STR	GC45K SWB	GC45K STR
1.3	Power source: (battery, diesel, LPG, petrol)		LPG	LPG	LPG	LPG	LPG
1.4	Operator type: pedestrian, (operator)-standing, -seated		Seated	Seated	Seated	Seated	Seated
1.5	Load capacity	Q (kg)	3500	4000	4000	4500	4500
1.6	Load centre distance	c (mm)	500	500	500	600	600
1.8	Load distance, axle to fork face	x (mm)	450	450	450	465	465
1.9	Wheelbase	y (mm)	1575	1575	1575	1575	1575
Weight							
2.1	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	5240	5570	5655	6470	6510
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	7710/1030	8580/990	8630/1025	9495/1475	9650/1360
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	2100/3140	2165/3405	2190/3465	1960/4510	2085/4425
Wheels, Drive Train							
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		V/V	V/V	V/V	V/V	V/V
3.2	Tyre dimensions, front		22x9x16	22x9x16	22x9x16	22x9x16	22x9x16
3.3	Tyre dimensions, rear		18x7x12.1	18x7x12.1	18x7x12.1	18x7x12.1	18x7x12.1
3.5	Number of wheels, front/rear (x=driven)		2X/2	2X/2	2X/2	2X/2	2X/2
3.6	Track width (centre of tyres), front	b10 (mm)	940	940	940	940	940
3.7	Track width (centre of tyres), rear	b11 (mm)	980	980	980	980	980
Dimensions							
4.1	Mast tilt, forwards/backwards	α/β °	5/10	5/10	5/10	5/10	5/10
4.2	Height with mast lowered (see tables)	h1 (mm)	2120	2120	2120	2120	2120
4.3	Free lift (see tables)	h2 (mm)	150	150	150	150	150
4.4	Lift height (see tables)	h3 (mm)	3050	3050	3050	2890	2890
4.5	Overall height with mast raised	h4 (mm)	4250	4250	4250	4090	4090
4.7	Height to top of overhead guard	h6 (mm)	2205	2205	2205	2205	2205
4.8	Seat height	h7 (mm)	1200	1200	1200	1200	1200
4.12	Tow coupling height	h10 (mm)	-/-	-/-	-/-	-/-	-/-
4.19	Overall length	l1 (mm)	3730	3770	3630	3840	3715
4.20	Length to fork face (includes fork thickness)	l2 (mm)	2510	2550	2410	2620	2495
4.21	Overall width	b1/b2 (mm)	1180/-	1180/-	1180/-	1180/-	1180/-
4.22	Fork dimensions (thickness, width, length)	s, e, l (mm)	50x150x1220	50x150x1220	50x150x1220	50x150x1220	50x150x1220
4.23	Fork carriage to DIN 15 173 A/B/no		3A	3A	3A	3A	3A
4.24	Fork carriage width	b3 (mm)	1125	1125	1125	1125	1125
4.31	Ground clearance under mast, with load	m1 (mm)	100	100	100	100	100
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	150	150	150	150	150
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm)	3885	3935	3740	4005	3900
4.34a	Working aisle width with 800 x1200 mm pallets, lengthwise	Ast (mm)	3685	3735	3540	3805	3700
4.35	Turning circle radius	Wa (mm)	2235	2285	2090	2340	2235
4.36	Minimum distance between centres of rotation	b13 (mm)	-/-	-/-	-/-	-/-	-/-
Performance							
5.1	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
5.2	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
5.3	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
5.5	Rated drawbar pull, with/without load (@1.6 km/h)	N	23780/-	23780/-	23780/-	23780/-	23780/-
5.6	Maximum drawbar pull, with/without load (@1.6 km/h)	N	27460/-	27460/-	27460/-	27460/-	27460/-
5.7	Gradeability, with/without load (@1.6 km/h)	%	37	33	32	27	27
5.8	Maximum gradeability, with/without load	%	42	37	36	30	30
5.9	Acceleration time (10 metres) with/without load	s	-/-	-/-	-/-	-/-	-/-
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
IC Engine							
7.1	Manufacturer / Type		PSI 4X	PSI 4X	PSI 4X	PSI 4X	PSI 4X
7.2	Rated output to ISO 1585 (Gross output)	kW	78	78	78	78	78
7.3	Rated speed to DIN 70 020	rpm	2600	2600	2600	2600	2600
7.4	Number of cylinders / cubic capacity	cm ³	6/4300	6 / 4300	6 / 4300	6 / 4300	6 / 4300
7.5	Fuel consumption according to VDI 60 cycle	l/h / kg/h	-/-	-/-	-/-	-/-	-/-
7.6	Max torque	Nm	285	285	285	285	285
7.7	Max torque at engine speed	rpm	1000	1000	1000	1000	1000
Miscellaneous							
8.1	Type of drive control		Powershift/1	Powershift/1	Powershift/1	Powershift/1	Powershift/1
8.2	Maximum operating pressure for attachments	bar	200	200	200	200	200
8.3	Oil flow for attachments	l/min	95	95	95	95	95
8.4	Noise level, value at operator's ear (EN 12053)	dB(A)	83.5	83.5	83.5	83.5	83.5
8.5	Towing coupling design / DIN type, ref.		Pin	Pin	Pin	Pin	Pin



	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
	GC55K	GC55K STR	GC60K	GC70K	GC70K STR
	LPG	LPG	LPG	LPG	LPG
	Seated	Seated	Seated	Seated	Seated
	5500	5500	6000	7000	7000
	600	600	600	600	600
	480	480	530	530	530
	1780	1780	1830	1830	1830
	7190	7550	8760	9480	9920
	11260/1430	11540/1510	12920/1840	14480/2000	14770/2150
	2420/4770	2705/4845	3220/5540	3170/6310	3535/6385
	V/V	V/V	V/V	V/V	V/V
	22x12x16	22x12x16	28x12x22	28x12x22	28x12x22
	18x8x12,1	18x8x12,1	22x8x16	22x8x16	22x8x16
	2X/2	2X/2	2X/2	2X/2	2X/2
	1015	1015	1130	1130	1130
	965	965	1160	1160	1160
	5/10	5/10	6/9	6/9	6/9
	2120	2120	2150	2150	2150
	160	160	165	165	165
	2900	2900	2370	2370	2370
	4130	4130	3590	3590	3590
	2205	2205	2255	2255	2255
	1200	1200	1285	1285	1285
	-/-	-/-	-/-	-/-	-/-
	4130	3875	4170	4170	3950
	2910	2655	2950	2950	2730
	1320/-	1320/-	-/1440	-/1440	-/1440
	60x150x1220	60x150x1220	65x150x1220	65x150x1220	65x150x1220
	4A	4A	4A	4A	4A
	1125	1125	1295	1295	1295
	100	100	100	100	100
	150	150	200	200	200
	4230	4030	4300	4300	4200
	4030	3830	4100	4100	4000
	2550	2350	2570	2570	2470
	-/-	-/-	-/-	-/-	-/-
	18.0/19.5	18.0/19.5	21.0/23.0	20.5/23.0	20.5/22.5
	0.39/0.42	0.39/0.42	0.36/0.39	0.36/0.39	0.36/0.39
	0.44/0.41	0.44/0.41	0.54/0.39	0.54/0.39	0.54/0.39
	23780/-	23780/-	29665/-	29665/-	29665/-
	27210/-	27210/-	36530/-	36530/-	36530/-
	22.5	22	24.5	21.5	20.5
	26	25	30	27	26
	-/-	-/-	-/-	-/-	-/-
	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	PSI 4X	PSI 4X	PSI 4X	PSI 4X	PSI 4X
	78	78	78	78	78
	2600	2600	2600	2600	2600
	6/4300	6/4300	6/4300	6/4300	6/4300
	-/-	-/-	-/-	-/-	-/-
	285	285	285	285	285
	1000	1000	1000	1000	1000
	Powershift/1	Powershift/1	Powershift/2	Powershift/2	Powershift/2
	200	200	200	200	200
	95	95	115	115	115
	83.5	83.5	83.5	83.5	83.5
	Pin	Pin	Pin	Pin	Pin

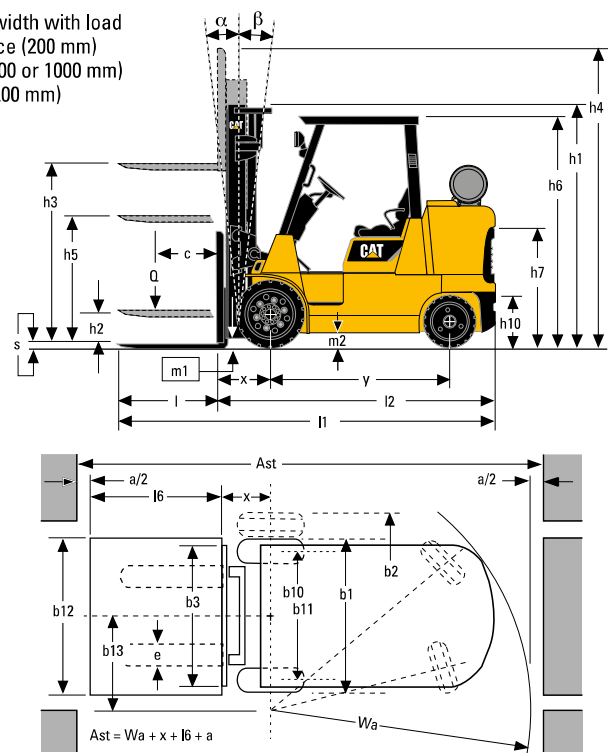
Capacity

8000
7000
6000
5000
4000
3000
2000
1000
0



GC70K STR
GC60K
GC55K STR
GC45K SWB/45K STR
GC40K STR
GC35K

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



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

Cat® Lift Trucks.

Your partner in materials handling.

GC35K - GC40K STR - GC40K						GC35K	GC40K STR	GC40K	GC45K SWB - GC45K STR					GC45K SWB	GC45K STR	
Mast Type	h3	h1	h4	h2 / h5	Tilt angle (fwd - back)	Q@c=500mm kg	Q@c=500mm kg	Q@c=500mm kg	Mast Type	h3	h1	h4	h2 / h5	Tilt angle (fwd - back)	Q@c=500mm kg	Q@c=500mm kg
	mm	mm	mm	mm						mm	mm	mm	mm		kg	kg
Simplex	3050	2120	4250	150	5°/10°	3500	4000	4000	Simplex	2890	2120	4090	160	5°/10°	4500	4500
	3350	2270	4550	150	5°/10°	3500	4000	4000		3350	2350	4550	160	5°/10°	4500	4500
	3750	2470	4950	150	5°/10°	3500	4000	4000		3550	2450	4750	160	5°/10°	4500	4500
	4050	2650	5250	150	5°/10°	3500	4000	4000		4050	2800	5250	160	5°/10°	4500	4500
	4550	2950	5750	150	5°/6°	3500	4000	4000		4550	3050	5750	160	5°/6°	4500	4500
	5050	3200	6250	150	5°/6°	3500	3850	4000		5050	3300	6250	160	5°/6°	4500	4500
	5300	3300	6500	150	5°/6°	3450	3500	3600		5300	3400	6500	160	5°/6°	4000	4000
	5550	3450	6750	150	5°/6°	2600	2600	2650		5550	3550	6750	160	5°/6°	2700	2700
6050	3700	7250	150	5°/6°	1400	1400	1450	6050	3800	7250	160	5°/6°	1000	1000		
Duplex	3050	2120	4250	920	5°/10°	3500	4000	4000	Duplex	2850	2120	4050	895	5°/10°	4500	4500
	3280	2270	4480	1070	5°/10°	3500	4000	4000		3330	2350	4530	1125	5°/10°	4500	4500
	3700	2470	4900	1270	5°/10°	3500	4000	4000		3530	2450	4730	1225	5°/10°	4500	4500
	3960	2650	5160	1450	5°/10°	3500	4000	4000		4130	2800	5330	1575	5°/10°	4500	4500
Triplex*	4050	2000	5250	800	6°/5°	3500	4000	4000	Triplex*	4360	2120	5560	920	6°/5°	4500	4500
	4410	2120	5610	920	6°/5°	3500	3950	4000		4630	2210	5830	1010	6°/5°	4500	4500
	4650	2200	5850	1000	6°/5°	3500	3850	4000		4800	2350	6000	1150	6°/5°	4500	4500
	5100	2350	6300	1150	6°/5°	3400	3750	3900		5100	2450	6300	1250	6°/5°	4500	4450
	5310	2420	6510	1220	6°/5°	3350	3700	3850		5310	2520	6510	1320	6°/5°	4450	4400
	5550	2500	6750	1300	6°/5°	3300	3650	3800		5550	2600	6750	1400	6°/5°	4400	4350
	6050	2700	7250	1500	6°/5°	3000	3000	3000		6050	2800	7250	1600	6°/5°	3200	3200
	6550	2900	7750	1700	6°/5°	2650	2650	2650		6550	3000	7750	1800	6°/5°	2700	2700
	7050	3100	8250	1900	6°/5°	1650	1650	1650		7050	3200	8250	2000	6°/5°	1400	1400

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.)

* Triplex values based on wide-stance version of truck

GC55K - GC55K STR						GC55K	GC45K STR	GC60K - GC70K - GC70K STR					GC60K	GC70K	GC70K STR	
Mast Type	h3	h1	h4	h2 / h5	Tilt angle (fwd - back)	Q@c=500mm kg	Q@c=500mm kg	Mast Type	h3	h1	h4	h2 / h5	Tilt angle (fwd - back)	Q@c=500mm kg	Q@c=500mm kg	Q@c=500mm kg
	mm	mm	mm	mm					mm	mm	mm	mm		kg	kg	kg
Simplex	2900	2120	4125	160	5°/10°	5500	5500	Simplex	2365	2150	3585	165	6°/9°	6000	7000	7000
	3360	2350	4585	160	5°/10°	5500	5500		3065	2500	4285	165	6°/9°	6000	7000	7000
	3560	2450	4785	160	5°/10°	5500	5500		3365	2650	4585	165	6°/9°	6000	7000	7000
	4060	2800	5285	160	5°/10°	5500	5500		3565	2750	4785	165	6°/9°	6000	7000	7000
	4560	3050	5785	160	5°/6°	5500	5500		4065	3000	5285	165	6°/9°	6000	7000	7000
	5060	3300	6285	160	5°/6°	5500	5350		4565	3250	5785	165	6°/5°	6000	7000	7000
	5310	3400	6535	160	5°/6°	5500	5250		5065	3600	6285	165	6°/5°	6000	7000	7000
	5560	3550	6785	160	5°/6°	4500	4500		5565	3850	6785	165	6°/5°	6000	6900	6900
6060	3800	7285	160	5°/6°	2600	2600	6065	4100	7285	165	6°/5°	5850	6700	6700		
Duplex	2860	2120	4085	895	5°/10°	5500	5500	Triplex (*)	3765	2200	4985	980	6°/5°	6000	7000	7000
	3340	2350	4565	1125	5°/10°	5500	5500		4365	2400	5585	1180	6°/5°	6000	7000	7000
	3540	2450	4765	1225	5°/10°	5500	5500		4765	2525	5985	1305	6°/5°	6000	7000	7000
	4140	2800	5365	1575	5°/10°	5500	5500		5065	2625	6285	1405	6°/5°	6000	7000	7000
Triplex*	4100	2120	5325	895	6°/5°	5500	5500	5565	2800	6785	1580	6°/5°	6000	6850	6850	
	4370	2210	5595	985	6°/5°	5500	5500	5925	2920	7145	1700	6°/5°	5850	6700	6700	
	4810	2350	6035	1125	6°/5°	5500	5350	6565	3200	7785	1980	6°/5°	5600	6500	6500	
	5110	2450	6335	1225	6°/5°	5500	5250	7115	3400	8335	2180	6°/5°	4300	4300	4300	
	5320	2520	6545	1295	6°/5°	5400	5150	7585	3550	8805	2330	6°/5°	2650	2650	2650	
	5560	2600	6785	1375	6°/5°	5350	5100									
	6060	2800	7285	1575	6°/5°	5100	5000									
	6560	3000	7785	1775	6°/5°	4250	4250									
7060	3200	8285	1975	6°/5°	2650	2650										

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