

when  
**reliability** is  
**everything...**

## **The ultimate compact LPG Counterbalance Cushion Truck**



**FGC35-70K**  
**4 Wheel Cushion Tyres**

**FGC35K**  
**FGC40K**  
**FGC40K STC**  
**FGC45K C**  
**FGC45K**  
**FGC55K**  
**FGC55K STC**  
**FGC60K**  
**FGC70K**  
**FGC70K STC**

quality | reliability | value for money

 **MITSUBISHI**  
**FORKLIFT TRUCKS**

# Where the space is tight

*If the centimeters double-sided become less and less*

*and when the goods are heavier and heavier then trucks with small dimensions and high load capacity are in demand. There is only one perfect solution available: The cushion fitted LPG trucks from Mitsubishi Forklift Trucks.*



*The **FGC70 K** – here working in the paper industry – is less than four meters long and only 1440 mm wide. Thereby the truck is narrower than most of the conventional 2-3 ton forklift trucks although the FGC70 lifts twice as much.*

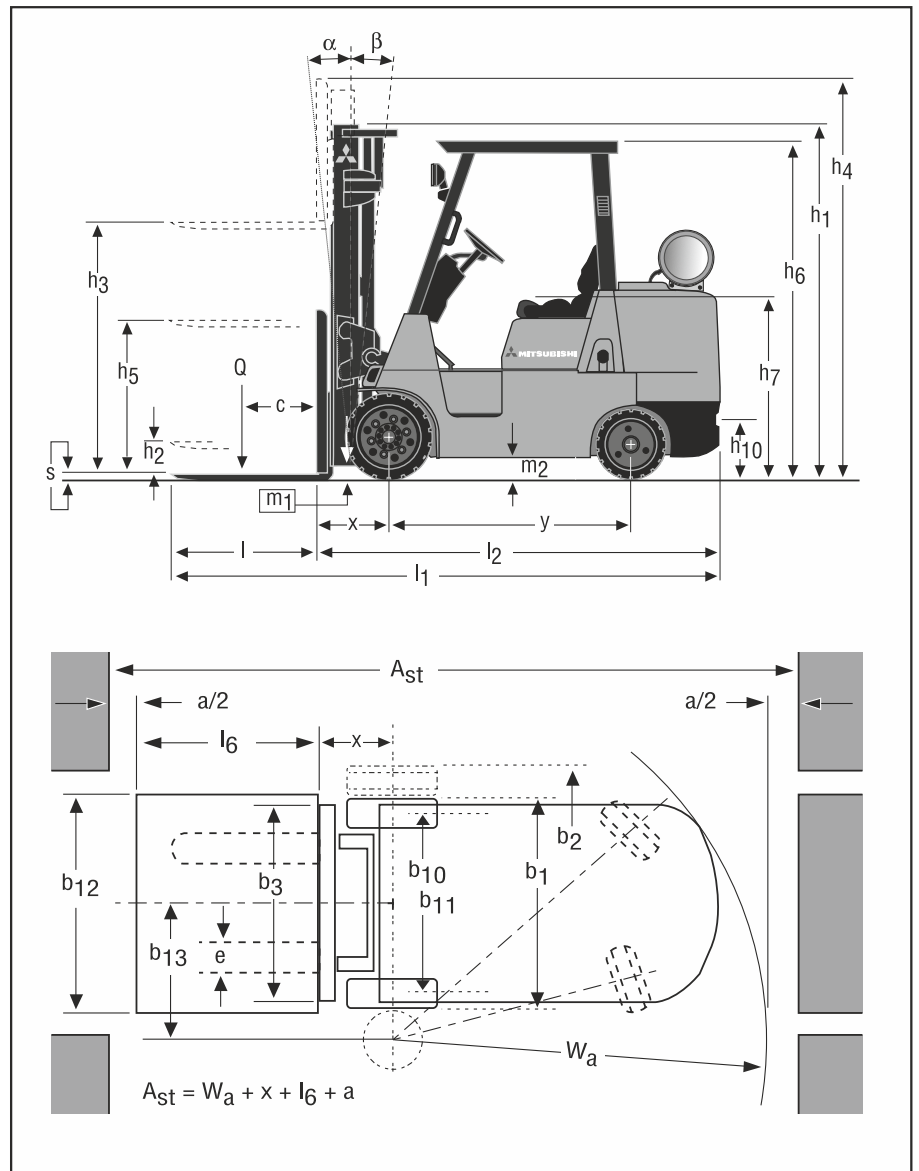
*The Power for the little green giant provides a **V6-Engine** with 78 kW. The 4 Wheel Cushion Tyres ensure the great stability which also results in an unusually low centre of gravity.*



*The 7 ton truck on the picture is fitted with a clamp, a fourth control circuit and a 6.0 meter triplex mast.*







- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- Q Lifting capacity, rated load
- c Load centre (distance)

- Ast = Working aisle width
- Wa = Turning radius
- a = Safety clearance  
= 2 x 100 mm
- l6 = Pallet length (800 or 1000 mm)
- b12 = Pallet width (1200 mm)

1.1	<b>Manufacturer (abbreviation)</b>			Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
1.2	Manufacturer's model designation			FGC35K	FGC40K	FG40K STC	FGC45K C
1.3	Power source: (battery, diesel, LPG, petrol)			LPG	LPG	LPG	LPG
1.4	Operator type: pedestrian, (operator)-standing, -seated			Seated	Seated	Seated	Seated
1.5	Load capacity	Q (kg)		3500	4000	4000	4500
1.6	Load centre distance	c (mm)		500	500	500	600
1.8	Load distance, axle to fork face	x (mm)		450	450	450	465
1.9	Wheelbase	y (mm)		1575	1575	1575	1575
2.0	<b>Weight</b>						
2.1	Truck weight, without load (simplex mast, lowest lift height)		kg	5240	5570	5655	6470
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest height)		kg	7710/1030	8580/990	8630/1025	9495/1475
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	2100/3140	2165/3405	2190/3465	1960/4510
3.0	<b>Wheels, Drive Train</b>						
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			V/V	V/V	V/V	V/V
3.2	Tyre dimensions, front			22x9x16	22x9x16	22x9x16	22x9x16
3.3	Tyre dimensions, rear			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
3.6	Track width (centre of tyres), front	b10 (mm)		940	940	940	940
3.7	Track width (centre of tyres), rear	b11 (mm)		980	980	980	980
4.0	<b>Dimensions</b>						
4.1	Mast tilt, forwards/backwards	α/β °		5 / 10	5 / 10	5 / 10	5 / 10
4.2	Height with mast lowered (see tables)	h1 (mm)		2120	2120	2120	2120
4.3	Free lift (see tables)	h2 (mm)		150	150	150	150
4.4	Lift height (see tables)	h3 (mm)		3050	3050	3050	2890
4.5	Overall height with mast raised	h4 (mm)		4250	4250	4250	4090
4.7	Height to top of overhead guard	h6 (mm)		2205	2205	2205	2205
4.8	Seat height	h7 (mm)		1200	1200	1200	1200
4.12	Tow coupling height	h10 (mm)		- / -	- / -	- / -	- / -
4.19	Overall length	l1 (mm)		3730	3770	3630	3840
4.20	Length to fork face (includes fork thickness)	l2 (mm)		2510	2550	2410	2620
4.21	Overall width	b1/b2 (mm)		1180 / -	1180 / -	1180 / -	1180 / -
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)		50 x 150 x 1220	50 x 150 x 1220	50 x 150 x 1220	50 x 150 x 1220
4.23	Fork carriage to DIN 15 173 A/B/no			3A	3A	3A	3A
4.24	Fork carriage width	b3 (mm)		1125	1125	1125	1125
4.31	Ground clearance under mast, with load	m1 (mm)		100	100	100	100
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)		150	150	150	150
4.33	Working aisle width with 1000 x 1200 mm pallets, crosswise	Ast (mm)		3885	3935	3740	4005
4.34a	Working aisle width with 800 x 1200 mm pallets, lengthwise	Ast (mm)		3685	3735	3540	3805
4.35	Turning circle radius	Wa (mm)		2235	2285	2090	2340
4.36	Minimum distance between centres of rotation	b13 (mm)		- / -	- / -	- / -	- / -
5.0	<b>Performance</b>						
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
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
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
5.5	Rated drawbar pull, with/without load (@1.6 km/h)		N	23780 / -	23780 / -	23780 / -	23780 / -
5.6	Maximum drawbar pull, with/without load (@1.6 km/h)		N	27460 / -	27460 / -	27460 / -	27460 / -
5.7	Gradeability, with/without load (@1.6 km/h)		%	37,0	33,0	32,0	27,0
5.8	Maximum gradeability, with/without load		%	42,0	37,0	36,0	30,0
5.9	Acceleration time (10 metres) with/without load		s	- / -	- / -	- / -	- / -
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic	Hydraulic	Hydraulic
7.0	<b>IC Engine</b>						
7.1	Manufacturer / Type			PSI 4X	PSI 4X	PSI 4X	PSI 4X
7.2	Rated output to ISO 1585 (S.A.E. gross)		kW	78,0	78,0	78,0	78,0
7.3	Rated speed to DIN 70 020		rpm	2600	2600	2600	2600
7.4	Number of cylinders / cubic capacity		cm³	6 / 4300	6 / 4300	6 / 4300	6 / 4300
7.5	Fuel consumption according to VDI 60 cycle		l/h	- / -	- / -	- / -	- / -
7.6	Max torque (S.A.E. gross)		Nm	285	285	285	285
7.7	Max torque at engine speed		rpm	1000	1000	1000	1000
8.0	<b>Miscellaneous</b>						
8.1	Type of drive control			Powershift	Powershift	Powershift	Powershift
8.2	Maximum operating pressure for attachments		bar	200	200	200	200
8.3	Oil flow for attachments		l/min	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
8.5	Towing coupling design / DIN type, ref.			Pin	Pin	Pin	Pin

# of performance for your money



Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
FGC45K STC	FGC55K	FGC55K STC	FGC60K	FGC70K	FGC70K STC
LPG	LPG	LPG	LPG	LPG	LPG
Seated	Seated	Seated	Seated	Seated	Seated
4500	5500	5500	6000	7000	7000
600	600	600	600	600	600
465	480	480	530	530	530
1575	1780	1780	1830	1830	1830
6510	7190	7550	8760	9480	9920
9650/1360	11260/1430	11540/1510	12920/1840	14480/2000	14770/2150
2085/4425	2420/4770	2705/4845	3220/5540	3170/6310	3535/6385
V/V	V/V	V/V	V/V	V/V	V/V
22x9x16	22x12x16	22x12x16	28x12x22	28x12x22	28x12x22
18x7x12,1	18x8x12,1	18x8x12,1	22x8x16	22x8x16	22x8x16
2X/2	2X/2	2X/2	2X/2	2X/2	2X/2
940	1015	1015	1130	1130	1130
980	965	965	1160	1160	1160
5 / 10	5 / 10	5 / 10	6 / 9	6 / 9	6 / 9
2120	2120	2120	2150	2150	2150
150	160	160	165	165	165
2890	2900	2900	2370	2370	2370
4090	4130	4130	3590	3590	3590
2205	2205	2205	2255	2255	2255
1200	1200	1200	1285	1285	1285
- / -	- / -	- / -	- / -	- / -	- / -
3715	4130	3875	4170	4170	3950
2495	2910	2655	2950	2950	2730
1180 / -	1320 / -	1320 / -	- / 1440	- / 1440	- / 1440
50 x 150 x 1220	60 x 150 x 1220	60 x 150 x 1220	65 x 150 x 1220	65 x 150 x 1220	65 x 150 x 1220
3A	4A	4A	4A	4A	4A
1125	1125	1125	1295	1295	1295
100	100	100	100	100	100
150	150	150	200	200	200
3900	4230	4030	4300	4300	4200
3700	4030	3830	4100	4100	4000
2235	2550	2350	2570	2570	2470
- / -	- / -	- / -	- / -	- / -	- / -
18,5 / 19,5	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	0,39 / 0,42	0,36 / 0,39	0,36 / 0,39	0,36 / 0,39
0,44 / 0,41	0,44 / 0,41	0,44 / 0,41	0,54 / 0,39	0,54 / 0,39	0,54 / 0,39
23780 / -	23780 / -	23780 / -	29665 / -	29665 / -	29665 / -
27460 / -	27210 / -	27210 / -	36530 / -	36530 / -	36530 / -
27,0	22,5	22,0	24,5	21,5	20,5
30,0	26,0	25,0	30,0	27,0	26,0
- / -	- / -	- / -	- / -	- / -	- / -
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
PSI 4X	PSI 4X	PSI 4X	PSI 4X	PSI 4X	PSI 4X
78,0	78,0	78,0	78,0	78,0	78,0
2600	2600	2600	2600	2600	2600
6 / 4300	6 / 4300	6 / 4300	6 / 4300	6 / 4300	6 / 4300
- / -	- / -	- / -	- / -	- / -	- / -
285	285	285	285	285	285
1000	1000	1000	1000	1000	1000
Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
200	200	200	200	200	200
95	95	95	115	115	115
83,5	83,5	83,5	83,5	83,5	83,5
Pin	Pin	Pin	Pin	Pin	Pin

... more than 100 models – there is a truck for every application



the **e-specialist:**  
discover  
the future!



# Mast Performance and Capacity

FGC35K/FGC40K/FGC40K STC					FGC35K	FGC40K	FGC40K STC	FGC45K SWB/FGC45K STC/FGC55K/FGC55K STC				FGC45K C	FGC45K STC	FGC55K	FGC55K STC
Mast type	h3	h1	h4	h2/h5	Q @	Q @	Q @	h3	h1	h4	h2/h5	Q @	Q @	Q @	Q @
	(mm)	(mm)	(mm)	(mm)	c=500mm kg	c=500mm kg	c=500mm kg	(mm)	(mm)	(mm)	(mm)	c=600mm kg	c=600mm kg	c=600mm kg	c=600mm kg
Simplex	3050	2120	4250	150	3500	4000	4000	2890	2120	4090	160	4500	4500	5500	5500
	3350	2270	4550	150	3500	4000	4000	3350	2350	4550	160	4500	4500	5500	5500
	3750	2470	4950	150	3500	4000	4000	3550	2450	4750	160	4500	4500	5500	5500
	4050	2650	5250	150	3500	4000	4000	4050	2800	5250	160	4500	4500	5500	5500
	4550	2950	5750	150	3500	4000	4000	4550	3050	5750	160	4500	4500	5500	5500
	5050	3200	6250	150	3500	4000	3850	5050	3300	6250	160	4500	4500	5500	5350
	5300	3300	6500	150	3450	3600	3500	5300	3400	6500	160	4000	4000	5500	5250
	5550	3450	6750	150	2600	2650	2600	5550	3550	6750	160	2700	2700	4500	4500
	6050	3700	7250	150	1400	1450	1400	6050	3800	7250	160	1000	1000	2600	2600
Duplex	3050	2120	4250	920	3500	4000	4000	2850	2120	4050	895	4500	4500	5500	5500
	3280	2270	4480	1070	3500	4000	4000	3330	2350	4530	1125	4500	4500	5500	5500
	3700	2470	4900	1270	3500	4000	4000	3530	2450	4730	1225	4500	4500	5500	5500
	3960	2650	5160	1450	3500	4000	4000	4130	2800	5330	1575	4500	4500	5500	5500
Triplex (*)	4050	2000	5250	800	3500	4000	4000	4360	2120	5560	920	4500			
	4410	2120	5610	920	3500	4000	3950	4630	2210	5830	1010	4500			
	4650	2200	5850	1000	3500	4000	3850	4800	2350	6000	1150	4500			
	5100	2350	6300	1150	3400	3900	3750	5100	2450	6300	1250	4500			
	5310	2420	6510	1220	3350	3850	3700	5310	2520	6510	1320	4450			
	5550	2500	6750	1300	3300	3800	3650	5550	2600	6750	1400	4400			
	6050	2700	7250	1500	3000	3000	3000	6050	2800	7250	1600	3200			
	6550	2900	7750	1700	2650	2650	2650	6550	3000	7750	1800	2700			
	7050	3100	8250	1900	1650	1650	1650	7050	3200	8250	2000	1400			
								Triplex FGC45K / FGC55K FGC55K STC (*)					4500	5500	5500
													4500	5500	5500
													4500	5500	5350
													4450	5500	5250
													4400	5400	5150
													4350	5350	5100
													3200	5100	5000
													2700	4250	4250
													1400	2650	2650

(\*) Data for wide-stance configuration with double front wheels.

**FGC35K**  
**FGC40K**  
**FGC40K STC**  
**FGC45K C**  
**FGC45K**  
**FGC55K**  
**FGC55K STC**  
**FGC60K**  
**FGC70K**  
**FGC70K STC**

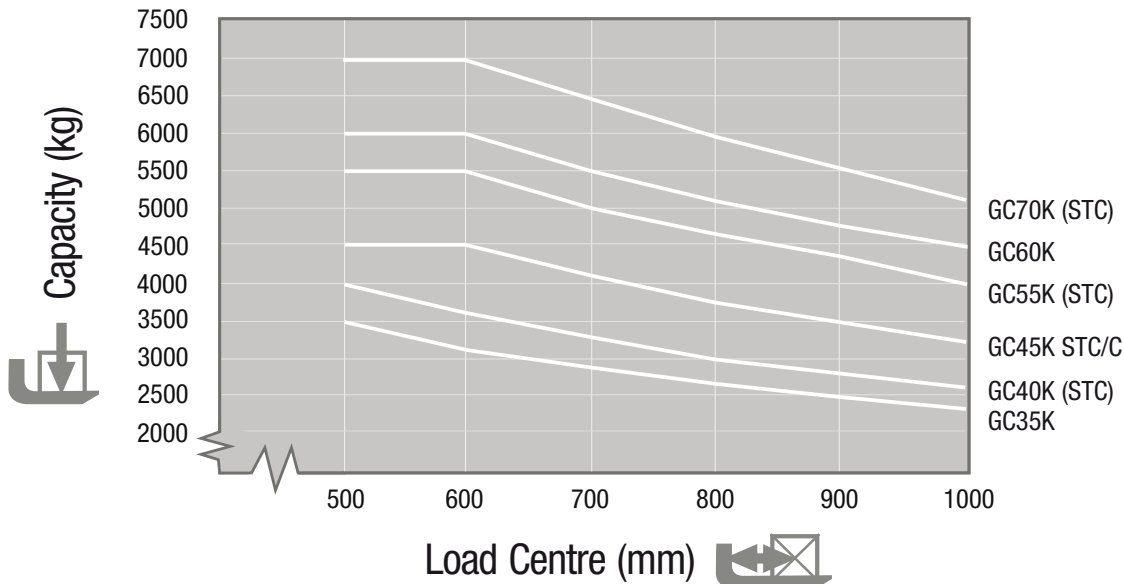




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Mast type	FGC60K/FGC70K/FGC70K STC				FGC60K	FGC70K	FGC70K STC
	h3 (mm)	h1 (mm)	h4 (mm)	h2/h5 (mm)	Q @ c=600mm kg	Q @ c=600mm kg	Q @ c=600mm kg
Simplex	2365	2150	3585	165	6000	7000	7000
	3065	2500	4285	165	6000	7000	7000
	3365	2650	4585	165	6000	7000	7000
	3565	2750	4785	165	6000	7000	7000
	4065	3000	5285	165	6000	7000	7000
	4565	3250	5785	165	6000	7000	7000
	5065	3600	6285	165	6000	7000	7000
	5565	3850	6785	165	6000	6900	6900
	6065	4100	7285	165	5850	6700	6700
Triplex (*)	3765	2200	4985	980	6000	7000	7000
	4365	2400	5585	1180	6000	7000	7000
	4765	2525	5985	1305	6000	7000	7000
	5065	2625	6285	1405	6000	7000	7000
	5565	2800	6785	1580	6000	6850	6850
	5925	2920	7145	1700	5850	6700	6700
	6565	3200	7785	1980	5600	6500	6500
	7115	3400	8335	2180	4300	4300	4300
	7585	3550	8805	2330	2650	2650	2650

- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- Q Lifting capacity, rated load
- c Load centre (distance)



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Like any product bearing the Mitsubishi name, our materials handling equipment benefits from the huge resources and cutting-edge technology of one of the world's largest corporations. So when we promise you quality, reliability and value for money, you know it's a guarantee we have the power to deliver. Every model in our comprehensive, award-winning range of forklift trucks and warehouse equipment is built to a high specification and is designed to keep on working for you... day after day... year after year... whatever the job... whatever the conditions. To ensure your truck stays in constant productive action, we have a network of local dealers – hand-picked for their commitment to customer care... and backed up by the Mitsubishi Forklift Trucks organisation. No matter where you are, we have a dealer close by – ready and willing to meet your needs.

That friendly local service covers everything from identifying the perfect model and configuration for your application to providing competitive, flexible finance and maintenance packages, unbeatable warranties, long and short term hire, and highly responsive field service and repairs... as well as the industry's quickest and most reliable parts supply.

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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 distributor of Mitsubishi forklift trucks. Mitsubishi follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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