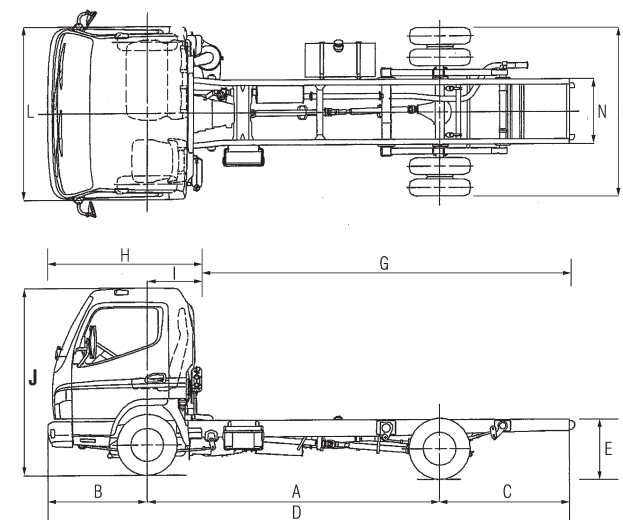
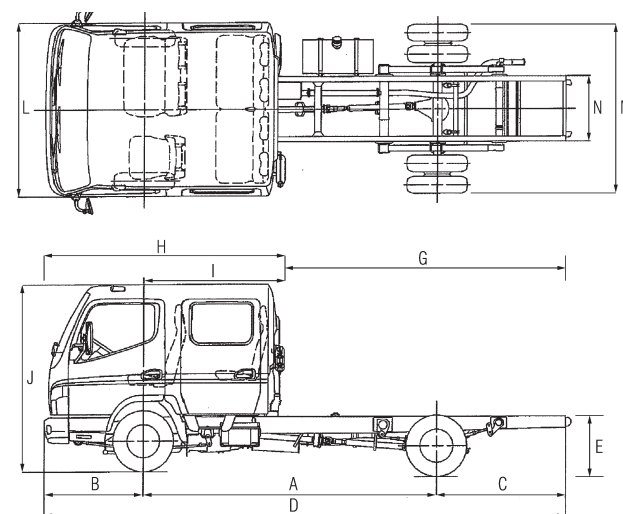


CANTER 3C13 | CANTER 6C14 | CANTER 7C14
SPECIFICATIONS
PROVISIONAL INFORMATION

Canter Standard Cab



Canter Crew Cab



Engine	4M42-0AT - EURO3 Four cylinder, four stroke, direct injected, turbocharged and intercooled, electronically controlled diesel engine. Viscous cooling fan Double overhead camshaft and four valves per cylinder Exhaust brake	4D34-2AT6 - EURO3 Four cylinder, four stroke, direct injected, turbocharged and intercooled, electronically controlled diesel engine. Viscous cooling fan Two valves per cylinder	
Power	92kw / 125bhp @ 3200rpm	105kw / 143bhp @ 2700rpm	
Torque	294Nm / 216lb.ft @ 1800rpm	412Nm / 304lb.ft @ 1600rpm	
Capacity	2977cc	3908cc	
Bore x Stroke	95mm x 105mm	104mm x 115mm	
Clutch	C3W28 Single plate with hydraulic control.	C4W30 Single plate with hydraulic control.	
Diameter	275mm	300mm	
Gearbox	M027S5 5 Speed synchromesh with dash mounted change Provision for side mounted P.T.O.	M035S6 6 Speed synchromesh with dash mounted change Provision for side mounted P.T.O.	
1st	4.748:1	5.520:1	
2nd	2.692:1	3.657:1	
3rd	1.593:1	2.368:1	
4th	1.000:1	1.515:1	
5th	0.787:1	1.000:1	
6th	n/a	0.698:1	
Reverse	4.748:1	5.400:1	
Front Axle	Reverse Elliot I beam		
Rear Axle	Fully floating standard axle. Single reduction of hypoid type		
Standard Ratio	4.444:1	4.444:1	4.875:1
Performance			
Maximum speed	73mph / 117kmh	56mph / 90kmh <i>Electronically limited. As required by European Law for vehicles >3,500kg leaving the UK and all vehicles >3,500kg by 1 January 2008</i>	
Maximum gradeability <i>Gradeability quoted is theoretical and will be limited by tyre adhesion</i>	56.5% in first gear	44% in first gear	39% in first gear
Frame	Ladder frame, hot rolled channel section, rivetted construction, constant frame width from approximately 850mm behind front axle		
Frame Width	See dimension table		
Frame Height & Thickness	190mm & 4.5mm	193mm & 6mm	193mm & 6mm
Flange Size Upper / Lower	55mm / 60mm	60mm	60mm

	3C13	6C14	7C14
Suspension	Parabolic front springs for optimum comfort. Leaf springs to rear. Anti-roll bars and shock absorbers all-round		
Number of front leaves	2	2	3
Number of rear leaves + helper	3+1	6+4	6+4
Steering	Integral power assisted recirculating ball & nut type		
Brakes			
Service	Dual circuit hydraulic with vacuum servo assistance. Auto adjusting front & rear discs. Load sensing valve fitted on rear axle.		
Parking	Mechanical handbrake with internal expander on rear of transmission		
Exhaust	Electro-pneumatically operated by dash switch with accelerator over-ride		
Front Axle	Disc Diameter 288mm Disc Thickness 22mm (min)	Disc Diameter 293mm Disc Thickness 38mm (min)	Disc Diameter 310mm Disc Thickness 38mm (min)
Rear Axle	Disc Diameter 266mm Disc Thickness 22mm (min)	Disc Diameter 293mm Disc Thickness 38mm (min)	Disc Diameter 310mm Disc Thickness 38mm (min)
Electrical			
Alternator	12v / 75amp	24v / 80amp	24v / 80amp
Battery(ies)	12v / 92Ah	24v / 2x 80amp	24v / 2x 80amp
Starter	12v / 2.2kw	24v / 3.7kw	24v / 3.7kw
Wheels & Tyres	Silver grey pressed steel six stud wheels. Spare wheel and tyre supplied as standard.	Silver grey pressed steel six stud wheels.	
Wheel Size	16 x 5JK	16 x 6K	17.5 x 6K
Tyre Size	185 / 75R16 (standard cab) 195 / 75R16 (crew cab)	215 / 75R16	205 / 75R17.5
Fuel Tank	Rectangular steel tank with water separator situated on the off-side		
Capacity	80ltrs / 17.6gallons	100ltrs / 22gallons	
Exhaust	Silencer mounted longitudinally in the frame with tail pipe discharging to right hand side	Silencer mounted longitudinally in the frame with tail pipe discharging to right hand side. Single element oxidation catalytic converter	
Other chassis features	Air intake on offside behind cab. Chassis finished in black.		
External Lights	Halogen headlamps with internal levelling function. Front fog lamps. Cab roof mounted front marker lamps. Rear lights temporarily mounted for transport.		
Cab Exterior	Aerodynamically styled all steel welded tilt cab with an elastic rubber mount system to minimise vibrations. Heated exterior rear view mirrors. Deep cut side windows for excellent low down urban visibility. Large twin windscreen wipers with washers built into the blades. Single rear window. One piece resin moulded bumper and resin mouldings on the lower door to protect against knocks and scrapes. All front panels and side panels manufactured from resin compounds or galvanised sheet steel for maximum corrosion protection. Cab tilt angle 45° (not crew cab).		
Cab Interior	Fully trimmed roof and cab rear walls for maximum comfort. Tough vinyl floor covering. Three seats finished in tough fabric material with vinyl sides. Suspended driver's reclining seat with integrated headrest. Steering wheel adjustable for reach and rake with single lever. Height adjustable driver's inertia reel seatbelt. Bench passenger seat with folding centre section to reveal clipboard and document tray. Release catch behind twin passenger seat to allow access to tools and storage area. Three point seat belt for outer passenger seat with a lap belt for centre seat. Electric driver and passenger windows with dual control and lock function from driver's side. Door mounted ashtrays. Cigar lighter. Cup holder. Locking glove box and central storage console. Tinted glass.		

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Cab Instruments & Controls	Speedometer with odometer and trip meter. Engine rev counter. Fuel and temperature gauges.	Speedometer with odometer and trip meter. Engine rev counter. Fuel and temperature gauges. Cassette type tachograph on dash.	
	Warning lights for indicators, headlamp high beam, exhaust brake, glow plugs, brake vacuum, front & rear fog lamps, parking brake, battery charge, oil pressure, coolant temperature, low fuel and oil volume.		
	Electronic engine oil level check switch		
	Comprehensive direct or recirculating heating system with four speed fan, direction and heat controls. Radio / CD player with digital tuning, aerial and twin door mounted speakers. Central door locking.		
Left Hand Stalk	Side & head lamps, front fog lamp, high beam and indicators.		
Right Hand Stalk	Wind screen wipers and wash. Exhaust brake.		
Crew Cab Features	Four door seven seat crew cab. Manually winding rear windows. Grab handles on door pillars. Central courtesy light. Entrance step each side to rear doors. Central ash tray. Inertia reel seat belts for outer passengers and lap belts for the centre passengers. Large internal locker under the rear bench seat for tools as well as additional storage. Head restraints to all seats.		
Factory Options	Air-conditioning Anti-lock braking system Choice of cab colours Driver's airbag Limited slip differential Tachograph Driver & passenger airbags	Air-conditioning Choice of cab colours Driver's airbag Limited slip differential. Driver & passenger airbags Power ABS including Brake Assist.	
Warranty	3 years or 100,000km (approx 62,000miles). 3 year cab anti-corrosion warranty.		
Service Intervals	22,500km lubrication service. 45,000km major service		
Publication Number & Date	DCS / March 2005		



Canter 3C13 3500kg GVW

3C13-25
FB83BB

3C13-30
FB83BD

3C13-34
FB83BE

3C13-39
FB83BG

3C13D-34
Crew
FB83BEW

Canter 6C14 6500kg GVW

6C14-34
FE84PE

6C14-39
FE84PG

6C14D-39
Crew
FE84PGW

Canter 7C14 7500kg GVW

7C14-28
FE85PC

7C14-34
FE85PE

7C14-39
FE845G

7C14-42
FE85PH

7C14-45
FE85PJ

7C14D-39
Crew
FE85PGW

7C14D-42
Crew
FE85PHW

Chassis Dimensions (mm)						2000mm			2000mm			2000mm			2000mm		
A	Wheelbase	2500	2950	3350	3850	3350	3350	3850	3850	2750	3350	3850	4200	4470	3850	4200	
B	Front Overhang	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	1140	
C	1) Rear Overhang	1260	1480	1480	1700	1480	1480	1700	1700	1260	1480	1700	2260	1950	1700	1700	
D	1) Overall Length to end of frame	4900	5570	5970	6690	5970	5970	6690	6690	5160	5970	6690	7600	7560	6690	7040	
E	Ground to top of frame over rear axle (unladen)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	
	Ground to top of frame over rear axle (laden)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	
G	2) Recommended external body length (circa)	3375	4095	4735	5535	3735	4735	5535	4265	3635	4730	5535	6047	6527	3839	4425	
	Maximum external body length (60% rear overhang)	3375	4095	4735	5535	3735	4735	5535	4535	3775	4735	5535	6047	6527	4535	5047	
H	Bumper to back of Cab	1665	1665	1665	1665	2665	1665	1665	2665	1665	1665	1665	1665	1665	2665	2665	
I	Front axle to back of Cab	525	525	525	525	1525	525	525	1525	525	525	525	525	525	1525	1525	
J	Ground to top of cab (unladen)	2125	2125	2125	2125	2125	2160	2160	2160	2200	2200	2200	2200	2200	2225	2225	
L	Overall width across cab	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	
M	Overall width across rear axle	1915	1915	1915	1915	1920	2040	2040	2040	2030	2030	2030	2030	2130	2030	2030	
N	Frame Width	750	750	750	750	750	753	753	753	753	753	753	753	840	753	753	
	Turning circle diameter (kerb to kerb)	9600	11000	12200	13800	12200	12225	13825	13825	10400	12200	13800	15000	15800	13800	15000	
	Turning circle diameter (wall to wall)	10600	12200	13400	15000	13400	13400	15000	15000	11400	13400	15000	16000	17000	15000	16000	
	Recommended cab to body gap	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Bump & roll clearance	160	160	160	160	170	200	200	200	190	190	190	190	190	190	190	
	Ground clearance	170	170	170	170	170	180	180	180	195	195	195	195	195	195	195	

UK Legal Weights (kg)															
Front Axle	1800	1800	1800	1800	1950	2500	2500	2500	3100	3100	3100	3100	3100	3100	3100
Rear Axle	2500	2500	2500	2500	2700	4500	4500	4500	5200	5200	5200	5200	5200	5200	5200
Gross Vehicle Weight	3500	3500	3500	3500	3500	6500	6500	6500	7500	7500	7500	7500	7500	7500	7500
Gross Train Weight	7000	7000	7000	7000	7000	10000	10000	10000	11000	11000	11000	11000	11000	11000	11000

Unladen Weights (kg) (Tolerance +/- 5%)															
According to 70/156/EEC ready to drive inc 90% fuel, tools & spare wheel and 75kg allowance for driver															
Front Axle	1465	1480	1465	1490	1590	1775	1795	1910	1755	1780	1805	1805	1810	1935	1935
Rear Axle	510	520	550	545	645	790	790	885	855	865	870	915	965	965	985
Total Kerb Weight	1975	2000	2015	2035	2235	2565	2585	2795	2610	2645	2675	2720	2775	2900	2920
Body & Payload Allowance	1525	1500	1485	1465	1265	3935	3915	3705	4890	4855	4825	4780	4725	4600	4580

Important Notes

1) Note that the spare wheel and tyre assembly overhangs the frame and increases these dimensions by 116mm on the FB83B 2500mm wheelbase model

2) Body lengths are given as a guide only and body builders are responsible for ensuring that all legal requirements are complied with. Recommended lengths are based on an evenly distributed body and payload to provide suitable axle loadings. The maximum external body lengths quoted are designed to remain just within the maximum legally permitted rear overhang but bodybuilders must check as cab gaps may vary. Any rear mounted equipment (e.g. taillifts) must be included within the maximum body length. Bodywork which overhangs the vehicle frame may require a rear overhang extension. The weight distribution must be checked for vehicles with uneven loadings or heavy additional equipment such as taillifts and fridges etc.

Do not use this drawing for bodybuilding – refer to Canter superstructures manual and coachbuilders drawings