



3.5t GVW MANUAL TRANSMISSION 2014 MODEL YEAR

CANTER



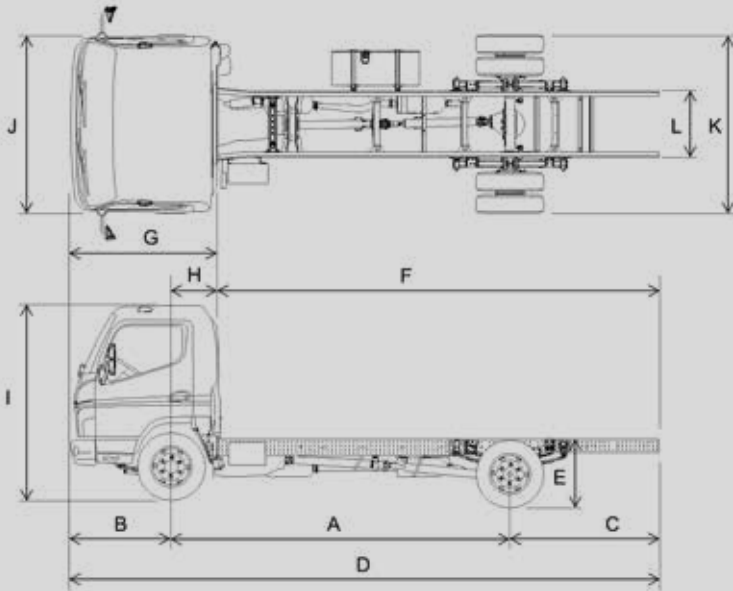
Exclusively from Mercedes-Benz

2014 MODEL YEAR

Manual transmission

3.5t GVW

4x2



DIMENSIONS

		3C13			
A. Wheelbase	mm	2500	2800	3400	3850
B. Front Overhang	mm	1140	1140	1140	1140
C. Rear Overhang	mm	1145	1195	1395	1695
D. Overall Length	mm	4785	5135	5935	6685
E. Chassis Height (Chassis-Cab unladen)	mm	725	725	725	725
F. Back of Cab to End of Frame	mm	3120	3470	4270	5020
G. Bumper to Back of Cab	mm	1665	1665	1665	1665
H. Front Axle to Back of Cab	mm	525	525	525	525
I. Overall Height (Chassis-Cab unladen)	mm	2160	2160	2160	2160
J. Cab Width (excluding mirrors)	mm	1995	1995	1995	1995
K. Rear Axle Width (to tyre wall)	mm	1924	1924	1924	1924
L. Frame Width	mm	748	748	748	748
Cab to Body Gap (minimum)	mm	100	100	100	100
Maximum Possible Body Length	mm	3500	3995	4985	5725
Maximum Possible Body Width	mm	2280	2280	2280	2280
Turning Circle (kerb to kerb)	m	8.8	9.6	11.4	12.6
Turning Circle (wall to wall)	m	10.0	11.0	12.6	14.0

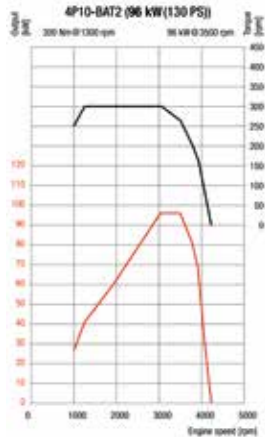
WEIGHTS

		3C13			
Chassis-Cab Weight Total	kg	1840	1850	1870	1890
Chassis-Cab Weight Front Axle	kg	1370	1370	1380	1400
Chassis-Cab Weight Rear Axle	kg	470	480	490	490
Front Axle Capacity	kg	1900	1900	1900	1900
Rear Axle Capacity	kg	2500	2500	2500	2500
Maximum Gross Vehicle Weight (GVW)	kg	3500	3500	3500	3500
Maximum Gross Train Weight (GTW)	kg	7000	7000	7000	7000
Body and Payload Allowance	kg	1660	1650	1630	1610

Dimensions and Weights are for guidance only – for Body-Building calculations refer to the Canter Body/Equipment directives available from the FUSO Body-Builder portal
 Manufacturing tolerance for Chassis Height and Overall Height is ± 25 mm
 Manufacturing tolerance for Chassis-Cab Weights is $\pm 5\%$
 Chassis-Cab Weights include 20 litres of fuel and exclude the driver
 Maximum Possible Body Length dimension is with 65% overhang. Rear overhang must be extended to achieve this. Front Axle loading must be a minimum of 25% of GVW
 Maximum Possible Body Width dimension is valid only with mirrors set to the 'outside set' position

ENGINE

Engine Power / Torque Curves 4P10-BAT2



4P10-BAT2		
Engine Power / Torque Curves		
Max. Power Output (EEC)	kW	96
	PS	130
	rpm	3500
Peak Torque (EEC)	Nm	300
	rpm	1300
CO₂ Emissions (combined)	g/km	228
Fuel Consumption (combined)	l/100km (mpg)	8.7 (32.5)
Type	Diesel, 4-stroke, 16-valve, DOHC, VGT Turbo, Intercooled, Common-rail direct-injection	
No. of Cylinders	4	
Displacement	2998 cm ³	
Emissions Level	Euro 5b+ (light-duty)	
Emissions Treatment	EGR + DPF	
Air Intake Type	High cab mounted intake, paper element type, restriction indicator	
Fuel Type	Diesel (to EN 590 standard)	
Idle start/stop System (ISS)	Standard on all models, over-ride switch in cab	
Alternator	AC 12V 140 Amp	

TRANSMISSION, AXLES, WHEELS AND TYRES

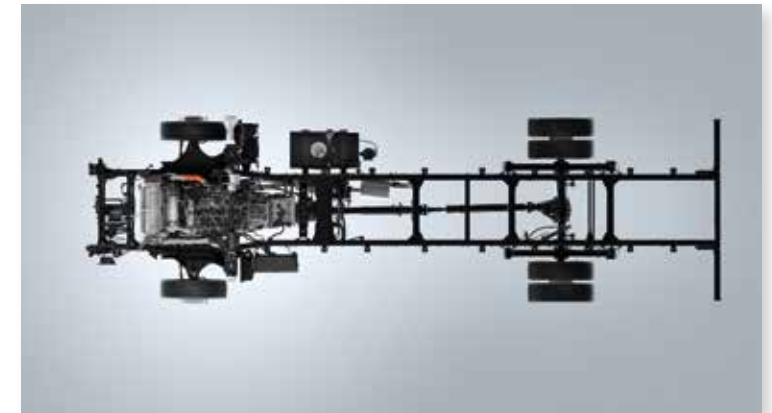


Clutch Designation	C3W28				
Gearbox Designation	M038S5				
Gearbox Description	5-speed manual with dashboard mounted selection lever				
Gear Ratios	1st / Reverse	2nd	3rd	4th	5th
	5.494	3.193	1.689	1.000	0.723
Rear Axle Ratio	4.111				
Wheel / Tyre Arrangement	Front Axle: Single, Rear Axle: Dual				
Wheels	16 x 5 JK - 110				
Tyres	195 / 75 R 16 107 / 105 R				

PERFORMANCE		
Maximum Speed	km/h (mph)	132 (82)
Maximum Gradeability @3.5t	% (theoretical)	60.00

CHASSIS

Frame Section	mm	Inside Wheelbase: 188 x 60 x 4 (+ reinforcement) Rear Overhang: 148 x 60 x 4
	MPa	Material Yield Strength: 390
Fuel Tank Capacity	Litres	70
Electrical System / Batteries		12V / 1 x 12V (100AH-760A(EN))
Body-Builder Interfaces		Mounting brackets fitted as standard – for positions, see chassis drawings on the FUSO Body-Builder portal 12V Body-Builder electrical interface: 1 in cab and 1 rear of cab
Trailer Electrics		13 Pin (12V) connector – pre-installed at rear of chassis
Reverse Warning Buzzer		Standard fit without isolation switch (isolation switch can be added by Dealer)



SUSPENSION, STEERING AND BRAKES

Suspension		Front: Coil spring with double acting shock absorbers Rear: Semi-elliptic laminated leaf springs with double acting shock absorbers and stabiliser bar	
Steering		Power steering with rack and pinion gear, tilt and telescopic column with steering lock	
Braking System	Service	Hydraulic, vacuum assisted, 2 circuit, ventilated disc brakes (Ø266mm) with additional features: ESP (Electronic Stability Programme) ABS (Anti-lock Braking System) EBD (Electronic Brake-force Distribution) ASR (Anti Spin Regulator) HBA (Hydraulic Brake Assist) HBB (Hydraulic Brake Boost) EDTR (Engine Drag Torque Reduction) Accelerator pedal over-ride	
		Parking	Mechanical, internal expanding type mounted on the rear end of the transmission case
		Retarder	Electronically governed exhaust brake – up to 50kW braking power



CAB FEATURES



EXTERIOR

- High strength steel welded cab
- Cab structure reinforced to meet the FUSO RISE (Realised Impact Safety Evolution) requirements
- Internal strength reinforcement beams built into doors
- Wide opening doors with deep side windows for enhanced lateral visibility
- Cathodic dip painted cab structure
- Cab entry / step illumination lamps built into door panel
- Heated foldable multi-adjusting rear-view mirrors
- Manual tilting mechanism for easy access to engine bay
- Single rear facing window in back wall of cab
- Extensive range of colours including Metallic and Pearl options
- 3 piece front bumper

INTERIOR

- Walk-through access
- 3 seat cab (driver + 2 passengers)
- Driver's seat with adjustments
- Isringhausen cloth seats (leather sides) with headrests
- Split folding passenger seat with access to clipboard and document tray
- Flame resistant interior materials
- 3-point seat belt on driver's seat and outboard passenger seat, lap belt for centre passenger
- Adjustable steering wheel (reach and rake)
- Grab handles
- Vinyl floor covering
- Overhead storage shelves
- Locking glove box
- Storage area between seats
- Storage pocket on rear wall of cab
- Electric driver's side and passenger side windows
- Retractable twin cup holders
- 12V power socket
- Central courtesy light
- Tinted glass
- Storage pockets

SECURITY

- Engine immobiliser
- Keyless remote central locking

INSTRUMENTS AND CONTROLS

- Multi-function electronic display screen (fuel consumption, trip, DPF status, time, odometer, maintenance info)
- Speedo in mph (and km/h)
- Fuel gauge
- Rev counter with economy band
- Idle start/stop (ISS) disable switch
- ESP / ASR disable switch
- Manual DPF regeneration switch
- Heater mirror switch
- Fog lamp switch
- Electric window switches in door panels
- Wipers and exhaust brake control stalk
- Lighting and indicator control stalk
- Rotary heater controls
- Steering wheel mounted horn switch
- Interior lamp switch on head lining

OPTIONAL EQUIPMENT

- Long door mirror stays (for body width over 2280mm up to maximum 2550mm)
- Limited slip differential
- Heavy Duty 12V Batteries (2 x 12V)
- Airbag driver's seat
- Airbag driver & co-driver seat
- Fully automatic air conditioning
- 100 litre fuel tank (opt on 3400 and 3850 wheelbase only)
- Rear Axle Ratio 4.444
- Comfort driver seat with vertical suspension, lumbar support and arm rest
- Fire extinguisher 2kg (mounted inside cab)
- Spare Wheel/Tyre
- Pre installation for engine driven accessory
- PTO (196Nm) for direct connected ISO pumps
- PTO (196Nm) with flange
- Remote engine speed control for PTO
- Rear Underrun bar (type approved)
- Rear Underrun with coupling provision (type approved)
- Radio / CD / MP3 + Bluetooth® (Dealer Fit)
- Traction tyres
- Fuel Tank Spacer (100mm)
- Tachograph (2 man, activated)
- Dropside Aluminium body – ex-factory ECWVTA (available 2500, 2800 and 3400 wheelbase only)
- 3-way Tipper body (white) – ex-factory ECWVTA (available 2500 and 2800 wheelbase only)
- 3-way Tipper body (in cab colour) – ex-factory ECWVTA (available 2500 and 2800 wheelbase only)
- Selection of cab colours – ex-factory

WARRANTY AND MAINTENANCE

Standard Warranty	3 years / unlimited mileage
Standard Maintenance Intervals	40,000km / 1 year



SYSTEM	APPROVAL LEVEL
EC Type Approval	2007/46*1230/2012
Noise Levels	Reg. 51 - 02
Engine Power	Reg. 85 - 00
Emissions	715/2007*630/2012M
Fuel Tanks	Reg. 34 - 02
Steering	Reg. 79 - 01
Door Latches and Hinges	130/2012
Vehicle Access	Reg. 11 - 03
Horn	Reg. 28 - 00
Indirect Vision (mirrors)	Reg. 46 - 02
Braking	Reg. 13 - 11
EMC	Reg. 10 - 04
Diesel Smoke	Reg. 24 - 03
Anti-theft / Immobiliser	Reg. 116 - 00
Seat Strength	Reg. 17 - 08
Seat Belt Anchorages	Reg. 14 - 07
Seat Belts / Restraints	Reg. 16 - 06

SYSTEM	APPROVAL LEVEL
Head Restraints	Reg. 25 - 04
Towing Hooks	1005/2010
Id of Controls	Reg. 121 - 00
Cab Heating	Reg. 122 - 00
Speedo / Reverse Gear	Reg. 39 - 00
Plates (statutory)	19/2011*249/2012
Lighting	Reg. 48 - 04
Spray-Suppression	109/2011
Safety Glazing	Reg. 43 - 00
Tyres	458/2011
Speed Limitation Devices	Reg. 89 - 00
Front Underrun Protection	N/A
Masses and Dimensions	1230/2012
External Projections of Cabs	Reg. 61 - 00
Cab Strength	Reg. 29 - 02
Rear Underrun Bar (Option)	Reg. 58 - 02
Coupling Provision (Option)	Reg. 55 - 01



ALSO AVAILABLE:

CANTER 3.5T DUONIC® / CANTER 7.5T DUONIC® / CANTER 7.5T MANUAL / CANTER 8.55T DUONIC®
/ CANTER 4X4 – 6C18 / CANTER CREW CAB / CANTER ECO HYBRID

ISSUED BY MERCEDES-BENZ UK LTD,
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TELEPHONE: 0800 055 6050 (OR IF YOUR MOBILE PHONE PROVIDER CHARGES FOR FREEPHONE NUMBERS, 0333 222 0525)
WWW.CANTER.CO.UK

BODY-BUILDER INFORMATION AVAILABLE AT: [HTTP://BB-PORTAL.FUSO-TRUCKS.COM](http://bb-portal.fuso-trucks.com)

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