



3.5t GVW DUONIC® TRANSMISSION 2014 MODEL YEAR

CANTER



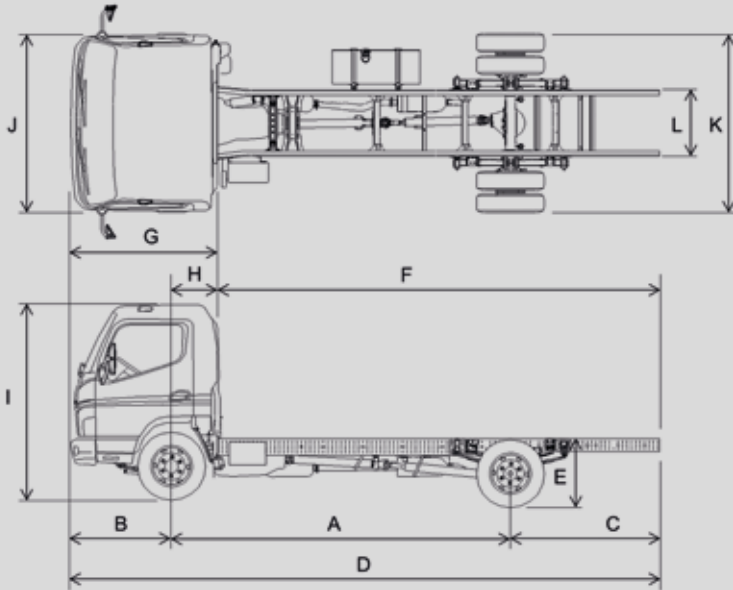
Exclusively from Mercedes-Benz

2014 MODEL YEAR

DUONIC® transmission

3.5t GVW

4x2



DIMENSIONS

| | | 3C13 | | | | 3C15 | | | |
|--|----|------|------|------|------|------|------|------|------|
| A. Wheelbase | mm | 2500 | 2800 | 3400 | 3850 | 2500 | 2800 | 3400 | 3850 |
| B. Front Overhang | mm | 1140 | 1140 | 1140 | 1140 | 1140 | 1140 | 1140 | 1140 |
| C. Rear Overhang | mm | 1145 | 1195 | 1395 | 1695 | 1145 | 1195 | 1395 | 1695 |
| D. Overall Length | mm | 4785 | 5135 | 5935 | 6685 | 4785 | 5135 | 5935 | 6685 |
| E. Chassis Height (Chassis-Cab unladen) | mm | 725 | 725 | 725 | 725 | 725 | 725 | 725 | 725 |
| F. Back of Cab to End of Frame | mm | 3120 | 3470 | 4270 | 5020 | 3120 | 3470 | 4270 | 5020 |
| G. Bumper to Back of Cab | mm | 1665 | 1665 | 1665 | 1665 | 1665 | 1665 | 1665 | 1665 |
| H. Front Axle to Back of Cab | mm | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 |
| I. Overall Height (Chassis-Cab unladen) | mm | 2160 | 2160 | 2160 | 2160 | 2160 | 2160 | 2160 | 2160 |
| J. Cab Width (excluding mirrors) | mm | 1995 | 1995 | 1995 | 1995 | 1995 | 1995 | 1995 | 1995 |
| K. Rear Axle Width (to tyre wall) | mm | 1924 | 1924 | 1924 | 1924 | 1924 | 1924 | 1924 | 1924 |
| L. Frame Width | mm | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 |
| Cab to Body Gap (minimum) | mm | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Maximum Possible Body Length | mm | 3500 | 3995 | 4985 | 5725 | 3500 | 3995 | 4985 | 5725 |
| Maximum Possible Body Width | mm | 2280 | 2280 | 2280 | 2280 | 2280 | 2280 | 2280 | 2280 |
| Turning Circle (kerb to kerb) | m | 8.8 | 9.6 | 11.4 | 12.6 | 8.8 | 9.6 | 11.4 | 12.6 |
| Turning Circle (wall to wall) | m | 10.0 | 11.0 | 12.6 | 14.0 | 10.0 | 11.0 | 12.6 | 14.0 |

WEIGHTS

| | | 3C13 | | | | 3C15 | | | |
|---|----|------|------|------|------|------|------|------|------|
| Chassis-Cab Weight Total | kg | 1880 | 1890 | 1910 | 1930 | 1880 | 1890 | 1910 | 1930 |
| Chassis-Cab Weight Front Axle | kg | 1400 | 1410 | 1410 | 1430 | 1400 | 1410 | 1410 | 1430 |
| Chassis-Cab Weight Rear Axle | kg | 480 | 480 | 500 | 500 | 480 | 480 | 500 | 500 |
| Front Axle Capacity | kg | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Rear Axle Capacity | kg | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| Maximum Gross Vehicle Weight (GVW) | kg | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| Maximum Gross Train Weight (GTW) | kg | 7000 | 7000 | 7000 | 7000 | 7000 | 7000 | 7000 | 7000 |
| Body and Payload Allowance | kg | 1620 | 1610 | 1590 | 1570 | 1620 | 1610 | 1590 | 1570 |

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

ENGINES

| | | 3C13 | 3C15 |
|--|--|------------|------------|
| | | 4P10-BAT2 | 4P10-BAT4 |
| Engine Power / Torque curves | | | |
| Max. Power output (EEC) | kW | 96 | 110 |
| | PS | 130 | 150 |
| | rpm | 3500 | 3500 |
| Peak Torque (EEC) | Nm | 300 | 370 |
| | rpm | 1300 | 1320 |
| CO₂ emissions (combined) | g/km | 246 | 241 |
| Fuel Consumption (combined) | l/100km (mpg) | 9.3 (30.4) | 9.2 (30.7) |
| 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 | | |

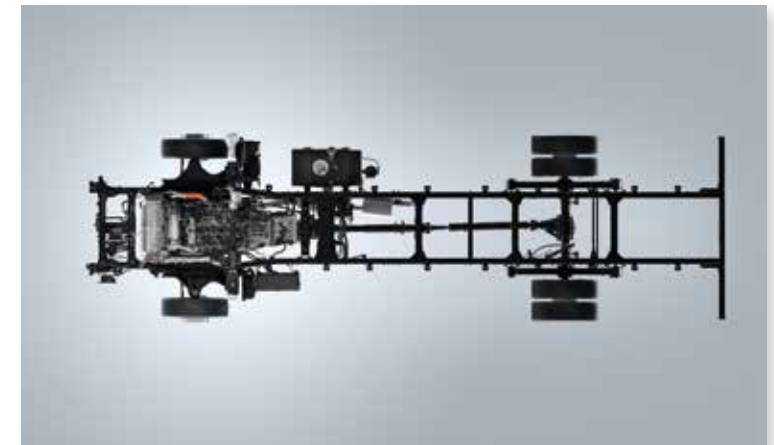
TRANSMISSION, AXLES, WHEELS AND TYRES



| | | | | | | |
|-----------------------------------|--|----------|-------|-------|----------|-------|
| Clutch | Maintenance Free, Automated Dual Clutch, Wet type – multi disc without torque loss | | | | | |
| Gearbox Designation | M038S6 (DUONIC® AMT) | | | | | |
| Gearbox Description | Dual Clutch 6-speed, Automated with ECO mode, Creep, Park and Manual functions | | | | | |
| Gear Ratios | 1st/Reverse | 2nd | 3rd | 4th | 5th | 6th |
| | 5.397 | 3.788 | 2.310 | 1.474 | 1.000 | 0.701 |
| Rear Axle Ratio | 3C13 = 4.111 3C15 = 3.909 | | | | | |
| Wheel/Tyre Arrangement | Front axle: Single, Rear axle: Dual | | | | | |
| Wheels | 16 x 5 JK - 110 | | | | | |
| Tyres | 195 / 75 R 16 107 / 105 R | | | | | |
| Performance | 3C13 | | | 3C15 | | |
| Maximum speed | km/h (mph) | 131 (81) | | | 139 (86) | |
| Maximum gradeability @3.5t | % (theoretical) | 60 | | | 56 | |

CHASSIS

| | | |
|--------------------------------------|--------|---|
| Frame Section | mm | Inside wheelbase: 188 x 60 x 4 (+ reinforcement) |
| | | Rear overhang: 148 x 60 x 4 |
| | | Material Yield Strength: 390 MPa |
| Fuel Tank capacity | litres | 70 |
| Electrical System / Batteries | | 12 Volt / 1 x 12 Volt (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 Program) |
| | | 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) and 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 suspension seat with adjustable springing rate, lumbar support and arm rest
- 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

SECURITY

- Engine Immobiliser
- Keyless remote central locking

INSTRUMENTS AND CONTROLS

- Multi-function electronic display screen (fuel consumption, trip, DPF status, time, gear indicator, odometer, maintenance info)
- Speedo in mph (and km/h)
- Fuel Gauge
- Rev counter with economy band
- ECO mode switch
- 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 and co-driver seat
- Fully automatic air conditioning
- 100 litre fuel tank (opt on 3400 and 3850 wheelbase only)
- Rear Axle Ratio 4.444 (available on 3C13 only)
- Rear Axle Ratio 4.111 (available on 3C15 only)
- 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 tank | 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 MANUAL / 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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