



DESIGNED TO LEAD

BUILT TO LAST



MCV 800	
Chassis	Body
<b>Chassis</b>	<b>Dimensions</b>
Mercedes Benz bus chassis model OC 500 RF 2542 3-axle	Wheelbase: 7100/1350 mm
<b>Engine</b>	Overall length: 14080 mm
Mercedes Benz OM457 LA, III Turbo charging with charged air cooling (air/air)	Overall width: 2500 mm
6 Cylinder in line diesel engine with electronic engine management -	Overall height: 4000 mm
Water cooled smoke emission according to Euro 3 optional Euro 5	Front overhang: 2615 mm
Output: 310 Kw (421 bhp) at 2000 rpm	Rear overhang: 3015 mm
Max. torque: 1900 N.m at 1100 rpm	Intrnal height: 1810 mm Lower - 1690 mm Upper
<b>Transmission</b>	Luggage capacity: ~7 Cubic meters
MB GO 210, 6-speed manual transmission	<b>Body Specification</b>
<b>Brakes</b>	Type of structure: Welded closed profile
Service brake: Electronic braking system (EBS) with disc brakes, ABS and ASR integrated	Insulation: Effective insulation against heat and sound
Parking brake: Spring-loaded parking brake	Doors: Plug doors, front and middle, electro-pneumatic actuation
Exhaust brake: Exhaust brake via steering column switch, engine with continuous throttle	Passenger capacity: 56 seats (40 seats upper deck & 16 seats lower deck ) with toilet and kitchen
Retarder: VOITH VR I15 E retarder	Seats pitch:
<b>Axles</b>	Lower deck: 840 mm + 2 tables + toilet + kitchen
Front axle: ZF Independent wheel suspension RL 75/E with triangular control arms and anti-roll bar (7.5 t )	Upper R.H.S front of center door: 815 mm
Drive axle: MB rigid axle HO 6/3 DCL(S) - 13 (12.5 t)	Upper R.H.S behind center door: 900 mm
Trailing axle: Actively steered trailing axle with ZF-steering system EHZ, (7.5 t)	Upper L.H.S: 805 mm
<b>Suspension</b>	Type of seat: High back luxury seats with seat belts and side motion
Pneumatic suspension with additional spring integrated in the air bellows	Ventilation: Separate zone A/C 38KW for upper saloon; 28KW for lower saloon; 7KW for driver and 7KW for sleeping compartment
Front suspension: 2 shock absorbers, 2 bellows on the front axle	Front box (Demister)
Rear suspension: 4 shock absorbers, 4 bellows on the drive axle	Side windows: Fixed toughened safety glass windows
2 shock absorbers, 2 bellows on the trailing axle	<b>Standard Equipment:</b>
<b>Wheels</b>	Roof system with air duct/personal units, parcel rack, air suspended driver seat, powered drivers window,
Tyre size: 295/80 R22.5	fridge integrated in Kitchen, toilet, heating with side convectors, rear view camera, DVD player with 4 LCD monitors, Kitchenette with built-in fridge.
<b>Fuel Tank</b>	two passenger information signs (digital clock; ambient temperature and WC occupied)
410 liter	<b>Optional Equipment:</b>
<b>Batteries</b>	Coffee m/c, water boiler and usage cooker; drivers sleeping compartment
2x12 V - 225 Ah	MOD system with seats individual monitors 10" (for upper saloon)
<b>Alternator</b>	Bird view cameras system (6 cameras: 4 exterior and 2 interior)
2x 28V/140 A	220V alternating current system (with victron multipuls 5KW inverter/charger with two of 200 Ah lithium batteries)
	220V socket and USB chargers for each seat
	Intercome connecting (driver, hostess and the sleeping compartment)

MCV reserves the right to make modifications to design and equipment without notice.  
The images may contain extra or optional equipments.

