

MCV500

MCV



Designed to Lead .. Built to Last



www.mcv-eg.com



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WELCOME ABOARD

In an unrivalled travelling experience, we welcome you aboard the coach that redefines intercity travelling & city tour experience. With an innovatively engineered design that incorporates the needs and the requirements of passengers, operators and drivers, MCV 500 coach is the transportation solution that guarantees the standards you not only need, but deserve.

Starting with indisputable safety measures, going through ease of maintenance and ending with the ultimate comfort of passengers, we welcome you aboard a comprehensive coach that gives passengers the peace of mind they seek on their journeys.

We also welcome you aboard the decades of experience that MCV offers. The company prides its international presence in more than 24 different countries around the globe. Through this strong global network, MCV succeeds in remaining a pioneer in the diverse sectors of manufacturing that decorate its rich portfolio.





RELAXING TRIP

MCV 500 coach guarantees a comfortable trip within a fully integrated interior design.

The different parts that make up the interior of the vehicle have been brought together in a perfectly balanced manner.

Highly comfortable seats that are adjustable based on passenger preference guarantee a truly relaxing trip.

Low operational costs and durability are among the main characteristics of MCV 500 coach.

This vehicle ensures productivity and a hassle-free solution for those relying on it.

Moreover, the suspension system designed in the mechanism of the vehicle ensures a smooth and peaceful voyage.

HIGH RELIABILITY

MCV 500 was designed with thoughts of reliability, sustainability and spaciousness in mind.

The result is a vehicle that is characterized as durable, economic and luxurious.

MCV 500 is equipped with a sensitive air-conditioning system which can be personalized individually.

In addition, many other facilities such as a refrigerator, a kitchen and a service unit are built in the interior of the coach to provide maximum comfort for passengers, keeping in mind the long duration that passengers spend on the coach during their trips.

The exterior of the coach matches the long nature of intercity trips.

Consequently, its highly resilient materials and smooth design ensure durability and longevity.





POWERFUL PERFORMANCE

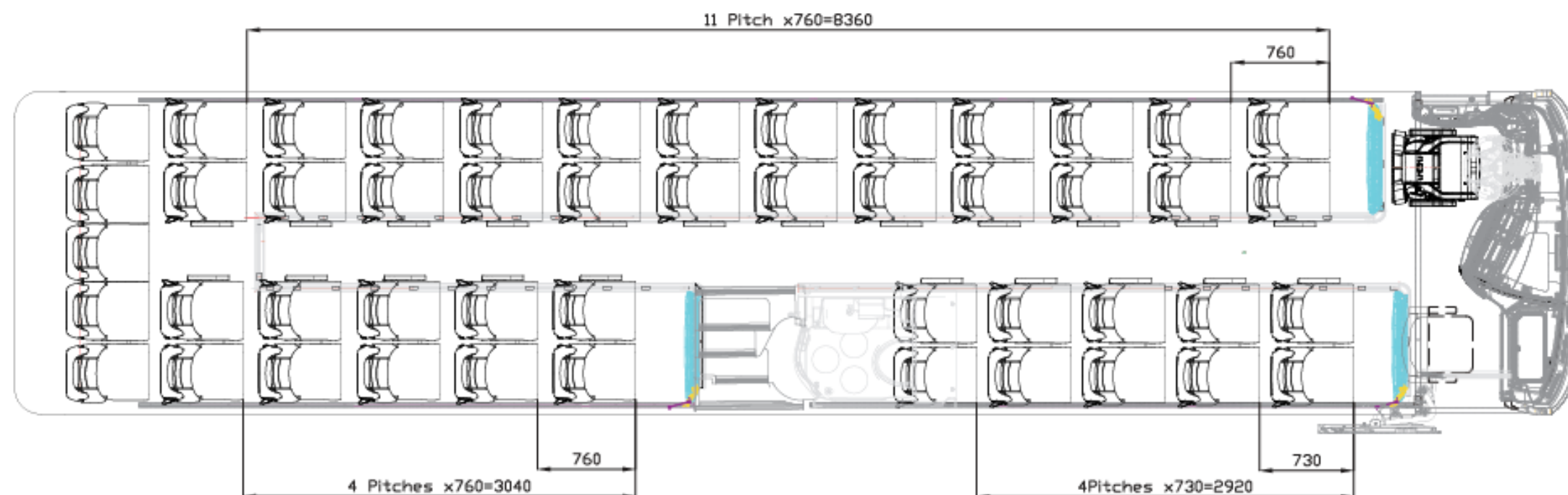
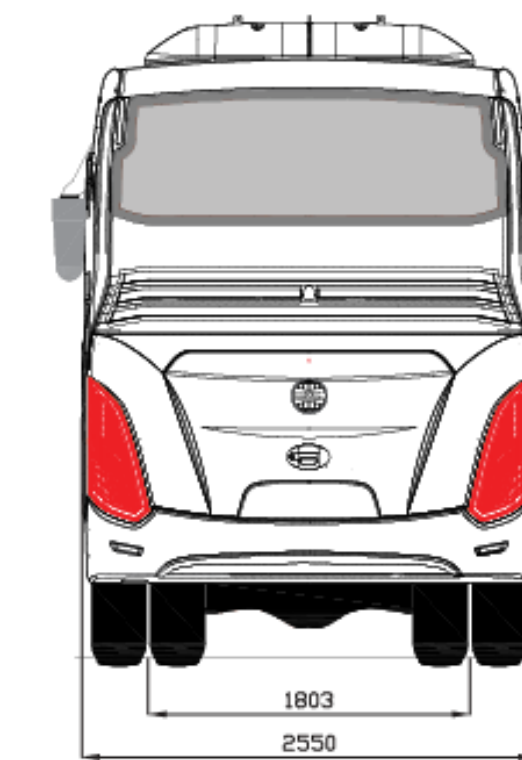
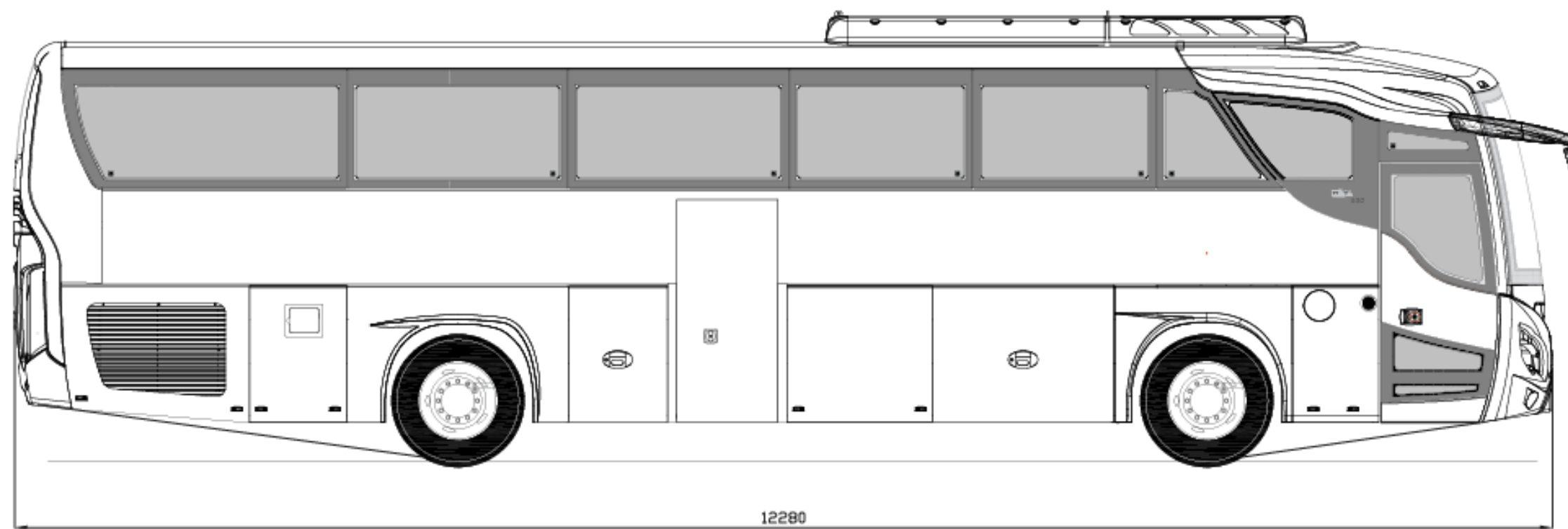
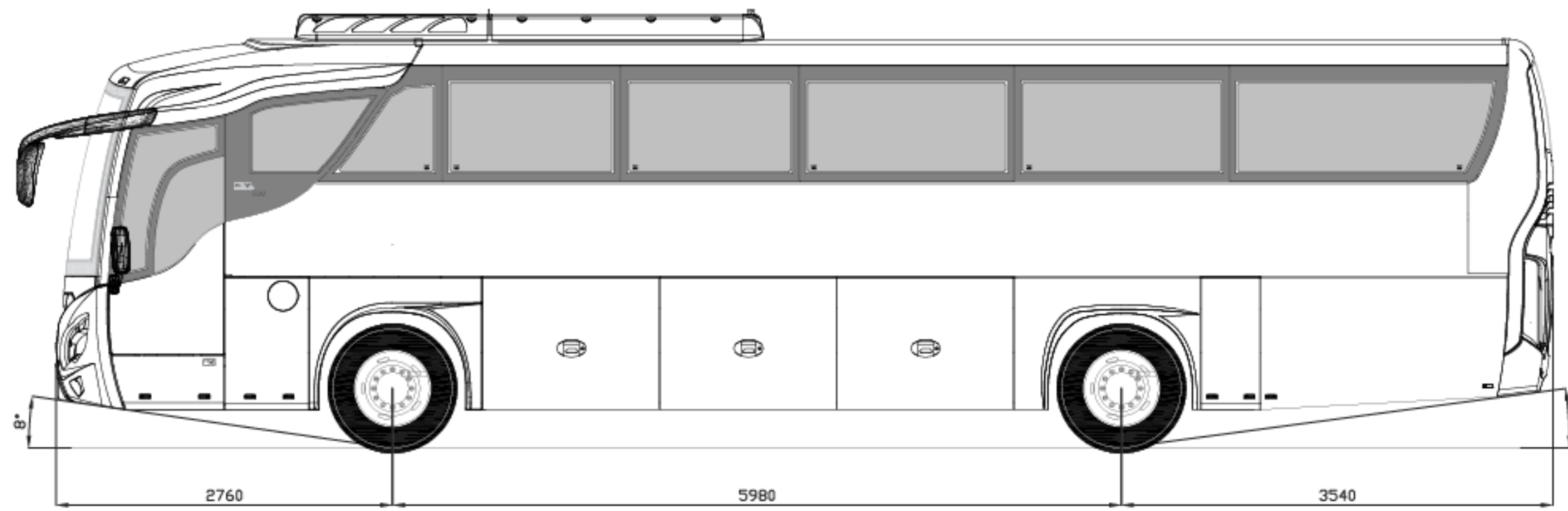
Performance levels of MCV 500 coach are simply non-negotiable aspects that are never left to chance.

MCV 500 components are engineered in a harmonious manner that complements the entirety of the vehicle, where the body incorporates elements of high quality and resistance to natural erosion factors.

Combining a Mercedes Benz chassis with MCV 500 bodywork makes this coach the ultimate intercity & tourism transportation solution for passengers.

The spacious luggage compartment is designed to carry diverse sizes and shapes of luggage cases.

The availability of spare parts, the ease of maintenance and the re-sale value that never declines make it an incomparable investment.



MCV 500 Bus Layout & Specs

MCV 500 Euro 6

Category	High Deck Coach (M3/Class3)
Chassis	OC500RF
GVW(Kg)	20000Kg
Chassis components	
Engine:	Mercedes-Benz OM 470 LA Euro VI
Cylinders/displacement(cm3)	6 Cylinders in line /10677 cubic centimeter
Type	Turbocharged and intercooler
output(kW)	315 KW (428hp) @1600 rpm
torque	2100 Nm @ 1100 rpm
Smoke emission standard	Euro VI
Transmission	Mercedes-Benz GO210 , 6 Speeds manual, power-assisted
Retarder	Voith hydrodynamic retarder with secondary water retarder (SWR)
Steering	ZF - Servocom 8098
Brake system	Disc Brake, Dual-circuit, full air system , EBS with BAS ,ESP , ABS/ASR
Parking brake	Spring loaded rear brake chambers with air release
Front axle	ZF RL 75E ,Independent suspension ,Triangular control arm , 7500kg
Rear axle	Mercedes - Benz RO440 (overall ratio 3.583) , 12500kg
Suspension	Air Suspension front and rear
	Anti roll bar front and rear
	Double acting shock absorbers front and rear
	Electronic level adjustment (ENR/ECAS)
Wheel rims	Steel 8.25x 22.5 mid-centred
Tyres	295/80 R22.5
Alternator(V/A)	3 x 28/150 A
Batteries(V /Ah)	2 x 12/200Ah
Fuel tank capacity (liters)	575
AdBlue Plastic tank capacity (liters)	42
Chassis Features	
	Multi-function Steering wheel
	AEBS (Advanced Emergency braking system)
	LDWS- Lane departure warning system(SPA)
	Cruise control
	NATO socket for charging batteries in battery compartment
	Engine encapsulation
	Onboard diagnostics (OBD), integrated diagnostic system (IDS)
	EU control unit, digital, DTCO, without engine speed recorder
	Fuel consumption indicator
Chassis optional Features	
	Mercedes-Benz GO 250-8 (PowerShift), 8-speed, automated

Dimensions	
Overall length (mm)	12,280
Overall width(mm)	2,550
Overall height (mm)with A/C	3,580
Turning radius (m)	11
Wheelbase(mm)	5,980
Front overhang (mm)	2,760
Rear overhang (mm)	3,540
Standing height center aisle (mm)	1930 mm
Approach/departure angles (degree)	8 / 8
First step height (mm)	330
Ground clearance (mm)	280mm Body, 195mm chassis
Luggage capacity (Cubic meter)	9
Capacity	
Seating passengers(Standard)	49+1+1 (with Toilet)
Optional seating capacity	53+1+1 (Without Toilet)
Standrad Body Features	
Number of doors	2 (front & center)
Type of doors	Plug Type
Door actuation	Electro-pneumatic
Windscreen	One Piece (Glued)
windscreen wiper(+ washing)	Panoramic Wiper System with 10L washing Tank
Side windows	Double Glazing (VG10)
Roof hatches	Two -Emergency Type
Type of seats	Luxury reclinable seats with 3Point seatbelt
Driver Seat	Air suspension
Driver window	Powered
A/C system	Cooling capacity 43kW
Toilet	Standard
Mirrors	Two exterior electric & heated mirrors
Insulation	Effective insulation against heat & sound
A/V System	A/V system with driver touch screen monitor
Other Standard Features	Fire Suppression system
	Rear Fog Light
	Dashboard top loading Fridge 50L
	Demister for windscreen with additional A/C cooling unit 7 kw
	Electric Sunvisor
Body Optional Features	
Heating system	Side Convectors