

MCV Buses



## The MCV C120



DESIGNED TO LEAD. BUILT TO LAST.

# Introduction :

Innovation and precision are behind every MCV bus. The MCV C 120 not only has these core values but also boasts the essence of perfection and offers the premium in transport solutions.

The MCV C 120 is designed in a modern and friendly manner to generate a bond with passengers and enhance the image of transportation within your city. This is because each bus is produced with thorough detail and quality control to create a memorable ride from day one.

The C120 is designed and built by MCV from the beginning to the end. This means that all the components have been tested to ensure they function perfectly together. The quality behind the making of such a daily-used bus must be the utmost in perfection and the C120 offers nothing short of the finest in automotive excellence.

All three editions of the bus are created with a concept in mind. The C120 low entry (LE) bus offers a low step for all passengers young and old to have an easy entrance and exit on the bus and keep the flow of passengers constant and simple. The C120 raised floor (RF) bus and the semi-low entry (SLE) are created to provide a comfortable ride through the streets and allow passengers to never feel a bump and glide across town smoothly.

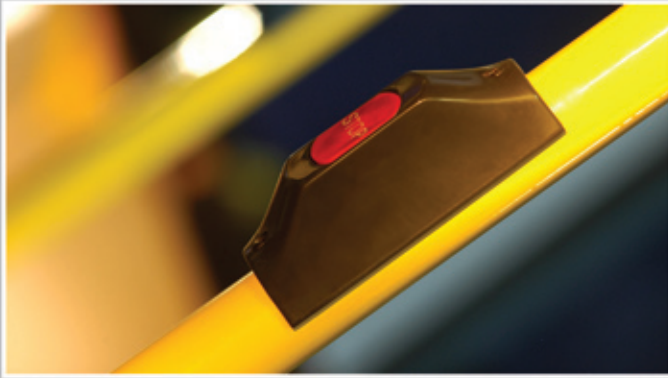
All editions of the C120 offer a similar efficient means of transportation and add more to the ride. Not only do the buses redefine design, color and comfort, but everything a passenger experiences from seat layout, interior design, number of doors and superb quality are all more than enough to meet every passenger's requirements.





## Quality control :

To ensure safety, comfort and durability, the C120 endures the most rigorous standards of quality control. The bus leaves the factory in a perfect state and guarantee that it can handle the toughest conditions and offer first class comfort.



## Driver's area :

One of the most important areas in the bus is the driver's compartment. The C120 provides comfort, safety and convenience for the driver during his long drive. From the customized, comfortable safe seat equipped with air suspension and a 3 points seat belt to the ergonomically designed easy-to-reach and operate instrument panel, all control of the bus is in the driver's hands. Moreover, the automatic transmission, smooth acceleration, ease of maneuverability and state-of-the-art braking system are all combined to achieve an unrivalled driving experience.





## Seats :

To ensure the maximum comfort and leisure a passenger can experience, the C120 is designed with ergonomically correct seats. What's more is that the seats are placed in an intelligent layout, giving each passenger more room.



## Doors :

For a bus ride to be memorable, the moment you step onto the bus has to be an unforgettable entrance. With two or three wide entrance doors and helpful steps to get on and off, the C120 offers its passengers a relaxed, safe and hassle-free entry and exit.

In addition to the comfort of the seats, the air suspension on the entire bus assures a comfortable and smooth ride on all roads.



## Outer Design :

The MCV C120 follows a modern, simplistic design which can be clearly noticed within the streets.

With the simple lines, the bright, elegantly designed headlights and the wide panoramic windows, the C120 is fresh off the modern production line of MCV's finest buses.

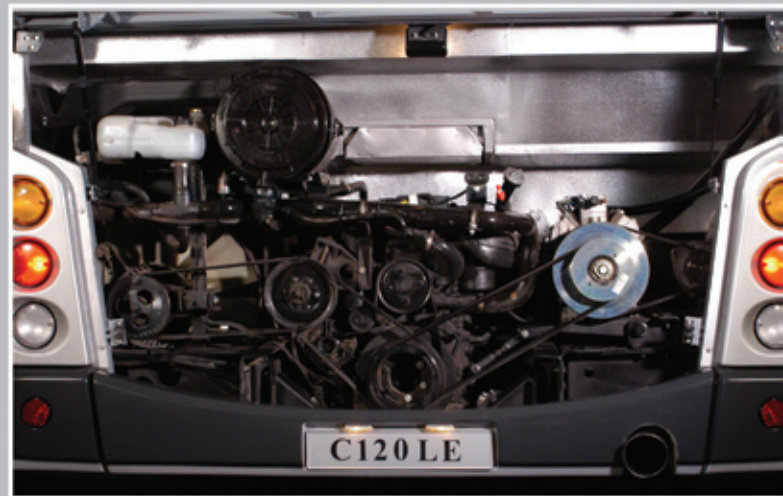


## Engine :

**B**ecause the C120 is one bus that will be used on a daily basis, we put into consideration the heart of the bus; the engine. A reliable, quiet and environmentally friendly engine provides more than adequate power, so the vehicle is never mechanically stressed. In addition to the environmentally- friendly basis the bus is built on the easy maintenance, one needs not worry about the engine and should merely enjoy the ride.

## Capacity :

**T**he C120 can easily carry up to 100 passengers, depending on the configuration. Should there be more passengers on the bus, curved handrails and grips are available and ensure a secure hold.



## Maintenance :

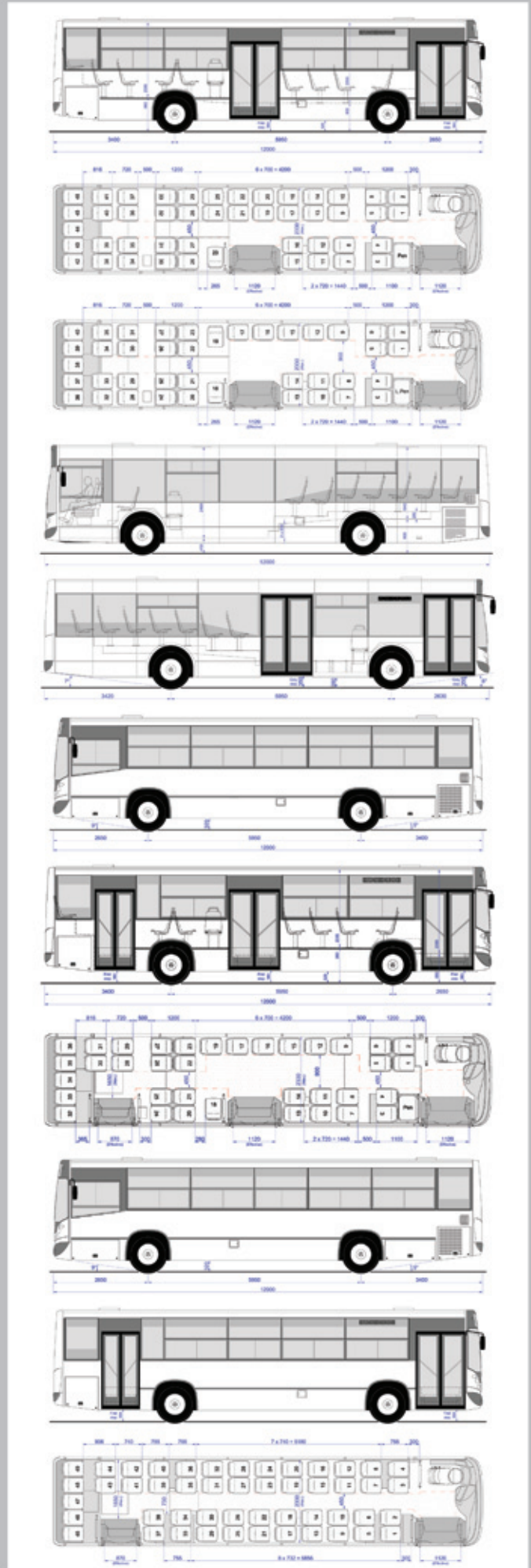
**B**ecause we believe the most important thing is that the bus remains the way it was when you received it, we have created easy access to all vital components of the bus to provide optimum service ability. This maintenance is taken care of from the beginning to the end in order for the user to make sure the bus remains top-notch.





## Economical :

The C120 aims to optimize and is efficient, it is built as an economical and environmentally-friendly bus. With minimum servicing requirements and optimum fuel consumption, the C120 works very economically on a daily basis. This allows the vehicle to have reduced costs over its lifetime, which further adds to the maximum resale value.



C120	
<b>Category</b>	City Bus
<b>Chassis</b>	MB O500 M 1726/59
<b>GVW(Kg)</b>	18,500
<b>Dimensions</b>	
Overall length (mm)	12,000
Overall width(mm)	2,500
Overall height (mm)	3,115
with A/C (mm)	3,330
Internal height(mm)	2,095
Wheelbase(mm)	5,950
Turning circle (Qmm)	22,000
<b>Capacity</b>	
Total passengers (max)	According to seat layout
Seating passengers(max)	Up to 49 - based on seating layout
Standing passengers (max)	Up to 65 - based on seating layout
<b>Chassis components</b>	
Engine:	MB OM 906 LA
Cylinders/displacement(cm3)	6
Type	Turbocharged and intercooler vertical in-line, direct injection
	4 cycle diesel water-cooled
Bore (Qmm)/ stroke(mm)	102/130
Output(kW)	194kW(260HP) @2200 rpm
Torque	950 Nm @1200-1600 rpm
Max. engine speed	2500 rpm
Smoke emission standard	Euro
Transmission	Automatic type: Voith DIWA 834.3 E OR ZF 6 HP
Retarder	Integrated with the transmission
Steering	ZF 8098 power steering
Brake system	Drum type, Dual-circuit, full air
Parking brake	Spring loaded rear with brake chambers
Front axle	MB Vo 4/13 DL-7
Rear axle	MB Ho 4/9 DL-11,5
Suspension	Air Suspension front and rear Stabilizer front and rear Double acting shock absorbers front and rear Automatic leveling device
Insulation	Effective insulation against heat
Wheel rims	8.25x22.5
Wheel tires	295/80 R22.5
Alternator(V/A)	28/80
Batteries(V /Ah)	2 x 12 / 150
Fuel tank capacity (liters)	400
<b>Standrad Body Features</b>	
Number of doors	2
Type of doors	Sliding-gliding inward, front and rear, right hand side
Door actuation	Electro-pneumatic
Windscreen wiper(+washing)	Equipped
Side windows	Sliding windows
Roof Hatches	2
Type of seats	Plastic shell seats with integrated
Interior lighting	Equipped
Public adress system	Mic, amplifier, speakers, illum. destination panels
Other Standard Features	Stop request buttons, Exterior and saloon mirrors partition behind driver, sun visor for driver, Front and rear towing hook, fire
<b>Optional Features</b>	
Number of doors	3(front, middle and/or rear)
Fog lights	Front/rear
A/C system	Konvekta 32,000K Cal/hr Air curtain at doors
Type of seats	bench
Brake system	ABS
Destination display	Electronic type front/side/rear
Special paintwork	Operator's scheme

C120 LE	
<b>Category</b>	Low Entery City Bus
<b>Chassis</b>	MB O500U 1726/59
<b>GVW(Kg)</b>	18,500
<b>Dimensions</b>	
Overall length (mm)	12,000
Overall width(mm)	2,550
Overall height (mm)	2,915
with A/C (mm)	3,130
Wheelbase(mm)	5,950
Turning circle (Qmm)	22,000
Internal salon height	
Lower salon	2,460
Upper salon	1,950
<b>Capacity</b>	
Total passengers (max)	100
Seating passengers(max)	40 based on seating layout
Standing passengers (max)	78 based on seating layout
<b>Chassis components</b>	
Engine:	MB OM 906 LA.III
Cylinders/displacement(cm3)	6 / 6374
Type	Turbocharged and intercooler
Bore (Qmm)/ stroke(mm)	102/130
Output(kW)	194 kW(260HP) @2200 rpm
Torque	950 Nm @1200-1600 rpm
Smoke emission standard	Euro
Transmission	Automatic type: Voith DIWA 834.3 E OR ZF 6HP 502
Retarder	Integrated
Steering	ZF 8098 power steering
Brake system	Disc Brake, Dual-circuit, full air system
Parking brake	Spring loaded rear with brake chambers
Front axle	MB VO 4/39 CL-7,5
Rear axle	MB HO 4/08 DCL-11,5
Suspension	Air Suspension front and rear Stabilizer front and rear Double acting shock absorbers front and rear Automatic leveling device
Insulation	Effective insulation against heat and sound
Wheel rims	8.25x22.5
Wheel tires	295/80 R22.5
Alternator(V/A)	28/80
Batteries(V /Ah)	2 x 12 / 150
Fuel tank capacity (liters)	300
<b>Standrad Body Features</b>	
Number of doors	2 (front, Rear)
Type of doors	Swing-in (2wings)
Door actuation	Electro-pneumatic
Windscreen wiper(+washing)	Hand-clap type
Side windows	Upper part sliding
Roof hatches	2
Type of seats	Plastic shell seats with integrated
Public address system	Mic, amplifier, speakers, illum. destination panels
Other Standard Features	Stop request buttons, Exterior and saloon mirrors
<b>Optional Features</b>	
Number of doors	3(front, middle and rear)
Windscreen	one pece glued
Fog lights	In front bumper at rear lights
A/C system	32,000K Cal/hr
Demister for windscreen	Hot air blower
Heating system	Side Convectors
Type of seats	bench
Brake system	ABS
Destination display	Electronic type front/side/rear
Other Optional Features	Stop sign, Door closing sign, kneeling system, Driver compartment
Special paintwork	Operator's scheme

The company reserves the right to make modifications to design and equipment



***MCV C120***

Not just an efficient transport



[www.mcv-eg.com](http://www.mcv-eg.com)