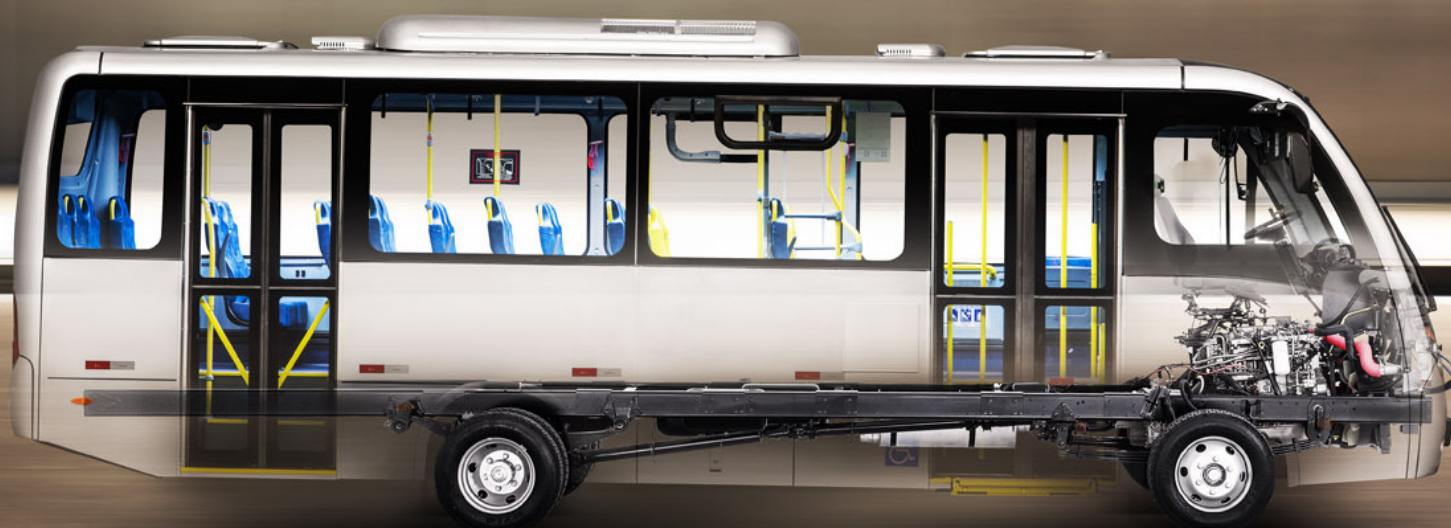


CHASSI MA 10.0

AGRALE CHASSIS. SAFETY, COMFORT AND PERFORMANCE TOGETHER.

Consolidated by its robustness, the microbus chassis line MA 10.0 meets the most varied applications and market needs, enabling a higher load capacity and best use of the body. Ideal for those who seek for versatility in bodybuilding.



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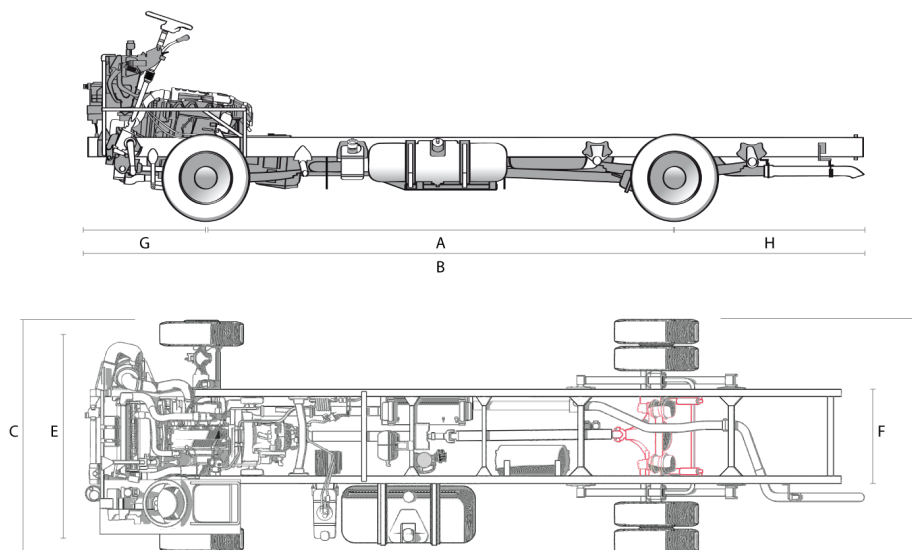
PARTS &
SERVICES



WARRANTY

BODY	
Length	9.500 mm
Passenger capacity	55
Number of seats	25 (city bus) - 33 (road bus)
ENGINE	
Make/model	CUMMINS ISF 3.8
Maximum Power	162cv (119 kw) at 2600 rpm
Maximum Torque	600 Nm at 1300 -1700 rpm
No. of Cylinders/Displacement	4 cil / 3760 cm
Emissions control	CONAMA 15, 16 e 403
Aspiration	Turbocharged with two-stage turbo
Electronic Injection	COMMON RAIL
ELECTRIC SYSTEM	
Tension	24 V
Battery	12 V/100 Ah (2 units)
Alternator	28V-150 A
DRIVING TRANSMISSION	
Gearbox	ZF S5 580 BO
No. of Gears	5 forward / 1 reverse
Type of Clutch	Dry monodisc
Disc's Outer Diameter	362 mm
AXLE	
Front axle	DANA - SIFCO CO09874
Type	Screwed
Rear axle	MERITOR MS 15-124
Standard reduction ratio	EE 4500: 4,88:1 EE 4800: 4,30:1
Optional reduction ratio	(EE 4.500) 3,91/ 4,10/ 4,30/ 4,56/ 5,13:1 (EE 4.800) 3,91/ 4,10/ 4,56/ 4,88/ 5,13:1
THEORETICAL PERFORMANCE	
Maximum Speed	EE 4500: 99 Km/h EE 4800 111 Km/h
Climb on Ramp in TGW	EE 4500 : 40,6% EE 4800: 35,0%

TIRES	
Dimensions	235/75R 17,5
WHEELSETS (TYPE)	
Dimensions	6.75" x 17,5
CHASSI	
Front Suspension	Parabolic springs
Rear Suspension	Double stage semi-elliptical springs
Front/Rear Shock Absorbers	Double action telescopic
BRAKES	
Drive/Performance	Modulating valve / rear brake
Engine Brake	Butterfly Exhaust engine brake Electro-pneumatic actuation
Parking Brakes	Spring brake 24
STEERING WHEEL	
Type	Hidráulica
Model	ZF SERVOCOM 8095
SUPPLY CAPACITY	
Fuel tank	150 L
Urea tank (Arla 32)	16 L
WEIGHTS AND CAPACITIES	
TGW - Total Gross Weight	10.000 Kg
Kerb weight	2.900 Kg / 2.940 Kg
Effective Load + Body	7.100 Kg
Maximum Load of Front Axle	3.200 Kg
Maximum Load of Rear Axle	6.800 Kg
OPTIONAL ITEMS	
Consult optional items.	



CHASSI MA 10.0

A	Entre eixos	4.500 mm / 4.800 mm
B	Comprimento total veículo	7.465mm/7.815mm
C	Largura (Face ext. pneus) Eixo Dianteiro	2.186mm
D	Largura (Face ext. pneus) Eixo Traseiro	2.224mm
E	Bitola dianteira	1.910mm
F	Bitola traseira	1.711
G	Balanço dianteiro	1.150mm
H	Balanço traseiro	1.815mm/1865mm