AGRALE



Midibus Line

MA 17.0

Robust and reliable bus chassis with a 17-ton GVW, ideal for operating in heavy traffic conditions of large cities, delivering high performance and cost efficiency in passenger transportation. It provides greater passenger comfort, reduced operator wear, and increased productivity for fleet owners.

Chassis recommended for applications:

- Urban services
- Charter operations (short-distance urban or mixed routes)

PARTS & SERVICES

WARRANTY

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MA 17.0

ENGINE	
Make/model	Cummins F4.5
Maximum Power	213 cv (157 kW) - 2.300 rpm
Maximum Torque	780 Nm - 1.300 / 1.500 rpm
No. of Cylinders/Displacement	Inline 4-cylinder / 4,506 cm³
Emissions control	After treatment of gases by selective catalytic reduction (SCR). PROCONVE P8 / EURO V
DRIVING TRANSMISSION	
Gearbox	ZF 6S 1010 BO - Manual ALLISON 3000 Series - Automatic
No. of Gears	6 forward / 1 reverse
Type of Clutch	Single dry disc with hydraulic-pneumatic actuation
Disc's Outer Diameter	395 mm 365 mm (OP)
THEORETICAL PERFORMANCE	
Maximum Speed	104 Km/h
Climb on Ramp in TGW	31,4%
WHEELSETS (TYPE)	
Dimensions	22,5 x 7,5”
BRAKES	
Parking Brakes	30" Spring Brake with Modulating Valve Actuation
Service Braking	S-CAM pneumatic drum brake, with automatic adjustment and electronic assistance (ABS, EBD and ATC).
Engine Brake	Electronic on the cylinder head
AUXILIARY BRAKING SYSTEMS	ABS / EBD / ATC / ESC / Door Brake (Vehicle lock with door open) and Hill Holder
FUEL TANK CAPACITY (L)	
Fuel tank	210 liters 300 liters (optional)
Urea tank (Arla 32)	25 L
OVERALL DIMENSIONS (5.250MM WB)	
Chassis Available Length for Applications	10.110 mm
Maximum Width (Outer Tire Face)	Front Axle: 2.404 mm Rear Axle: 2.410 mm
Minimum Ground Clearance	Front Axle: 226 mm Rear Axle: 219 mm
Track Width	Front Track: 2.120 mm Rear Track: 1.829 mm
Overhang	Front Overhang: 2.348 mm Rear Overhang: 2.512 mm
The vehicle can be configured with different wheelbases. For details on versions and availability, please contact the factory.	

ELECTRIC SYSTEM	
Tension	28 V
Battery	12 V /135 Ah (2 units)
Alternator	24 V / 150 A
AXLE	
Front axle	DANA 6.0T
Rear axle	MERITOR 23-168
Standard reduction ratio	5,38:1
Optional reduction ratio	4,89:1 / 5,86:1
TIRES	
Dimensions	275/80R 22,5”
CHASSI	
Front Suspension	Interconnected by semi-elliptic leaf springs and telescopic shock absorbers
Rear Suspension	Interconnected by two-stage semi-elliptic leaf springs and telescopic shock absorbers
Front/Rear Shock Absorbers	Double-acting telescopic shock absorbers
STEERING WHEEL	
Type	Hydraulic
Model	BOSCH 8097
Turning Circle / Lock-to-Lock	21.550 mm
WEIGHTS AND CAPACITIES (5.250MM WB)	
TGW - Total Gross Weight	17.000 kg (Technical) 16.000 kg (Legal)
Curb Weigh	4.510 kg
Maximum Load of Front Axle	6.500 kg
Maximum Load of Rear Axle	10.500 kg
Payload + Body	12.490 Kg (técnico) 11.490 Kg (Legal)
Weights for Other Wheelbase Configurations Available Upon Request	

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