AGRALE



Microbus Line

MA 10.0

Agrale invests in technology in order to produce chassis totally adapted to market requirements.

The Microbus Line is national leader in the microbus manufacture for over 25 years and the Midibus Line is compound by compact chassis, whith low operational and purchase cost, perfect for urban, intermunicipal or freightage operations.

Its experience in the industry and versatility of the designs result in safety, comfort and efficiency.

PARTS & SERVICES

WARRANTY

AGRALUB

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ENGINE	
Make/model	Cummins F3.8
Maximum Power	175 cv (129 kw) / 2500 rpm
Maximum Torque	600 Nm / 1100 - 1800 rpm
No. of Cylinders/Displacement	4-cylinder inline
Emissions control	After treatment of gases by selective catalytic reduction (SCR). PROCONVE P8 / EURO VI
Aspiration	Turbocharged with two-stage turbo
Electronic Injection	COMMON RAIL
DRIVING TRANSMISSION	
Gearbox	EATON ESBO 6106A - Manual ALLISON T2100MHXFE - Automatic
No. of Gears	6 a forward / 1 ré
Type of Clutch	Single dry disc with servo-assisted actuation
Disc's Outer Diameter	362 mm
THEORETICAL PERFORMANCE	
Maximum Speed	(WB 4.500 - NS)97 Km/h (WB 4.800 - NS)110 Km/h (WB 5.500 - NS) 126 Km/h
Climb on Ramp in TGW	(WB 4.500mm) 44,3% (WB 4.800 / 5.500mm) 37,9%
WHEELSETS	
Dimensions	6.75" x 17,5” 7,50 x 19,5” (WB 5.500mm)
BRAKES	
Parking Brakes	Spring brake 24”
Actuation / Operation	Modulating Valve / Rear Brake
Service Braking	Pneumatic "S CAM" Drum 325 x 150 mm, Electronically Assisted (ABS/EBD/ATC) with Automatic Adjustment
Engine Brake	Electronic
Auxiliary Brake Systems	ABS / EBD / ATC / ESC / Door Brake (Vehicle Lock with Door Open) / Hill Holder
SUPPLY CAPACITY	
Fuel tank	150 L
Urea tank (Arla 32)	25 L
OVERALL DIMENSIONS (4,500 MM WHEELBASE)	
Chassis Available Length for Applications	7,465 mm 8,550 mm (5,500 mm Wheelbase)
Maximum Width (Outer Tire Face)	Front Axle: 2.142 mm Rear Axle: 2.229 mm
Minimum Ground Clearance	Front Axle: 250 mm Rear Axle: 206 mm
Track Width	Front Track: 1.890 mm Rear Track: 1.715 mm
Overhang	Front: 1.150 mm Rear: 1.815 mm
The vehicle can be configured with different wheelbases. For details on versions and availability, please contact the factory.	

ELECTRIC SYSTEM	
Tension	24 V
Battery	12 V / 100 Ah (02 units)
Alternator	28 V - 150 A
AXLE	
Front axle	Dana 3.2T
Rear axle	Meritor MS15-124 DANA S16 - 130 (WB 5.500)
Standard reduction ratio	(WB 4.500) 4,88:1 (WB 4.800) 4,30:1 (WB 5.500) 4,30:1
TIRES	
Dimensions	235/75 R17,5” 285/70R19,5” (WB 5.500mm)
CHASSI	
Front Suspension	Interconnected by a parabolic spring and telescopic shock absorbers.
Rear Suspension	Interconnected by semi-elliptic leaf springs and telescopic shock absorbers or Full Air Suspension (Optional)
Front/Rear Shock Absorbers	Telescopic / Double action
STEERING WHEEL	
Type	Hydraulics
Model	BOSCH 8095
WEIGHTS AND CAPACITIES	
TGW - Total Gross Weight	10.000 Kg
Kerb weight	2.900 kg (WB 4.500mm) 3.150 kg (WB 5.500mm)
Effective Load + Body	7.100 Kg (WB 4.500mm) 6.850 Kg (WB 5.500mm)
Maximum Load of Front Axle	3.200 Kg
Maximum Load of Rear Axle	6.800 Kg
Weights for Other Wheelbase Configurations Available Upon Request	

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