

TECHNICAL FEATURES AVANCITY L

MAIN DIMENSIONS (mm)	AVANCITY LU/LS
Maximum length	11.960 mm
Maximum width	2.500 mm
Maximum height	2.930 mm
Minimum height from ground	150 mm
Wheelbase	6.320 mm
Front overhang	2.560 mm
Rear overhang	3.080 mm
Turning diameter	17.880 mm
Floor height from ground: 1 st , and 2 nd door 3 rd door	360 mm
Threshold height	330 mm 350 mm
Corridor width: front rear	~840 mm ~690 mm

WEIGHTS	LU 3 doors	LS 2 or 3 doors
Dry weight with driver	11.300 Kg	11.350 Kg
Maximum weight allowed	19.000 Kg	19.000 Kg

PASSENGER CAPACITY (std.)	LU 3 doors		LS 2 doors		LS 3 doors	
Seating places	22	20	39	35	36	32
Standing places	90	86	55	55	54	54
Wheelchair	-	1	-	1	-	1
Total (with driver)	113	108	95	92	91	88

ENGINE

- Engine: DAIMLER CHRYSLER OM 906 LA turbocharged intercooler EURO 3
- Position: transversal in the rear overhang
- Total displacement: 6.370 cm³, 6 cylinders in line, 3 valves per cylinder
- Maximum power: 205 kw at 2200 rpm
- Cooling system: water
- Maximum torque: 112 kgm (1100 Nm) at 1200÷1600 rpm.

GEAR BOX

- gear box: ZF 5 HP 502 5 speeds + RM or VOITH DIWA 854.3 4 speeds + RM

EMISSIONS

Data obtained in type approval test

	g/ kWh
CO	0.53
HC	0.16
Nox	4.60
PT	0.061

FRONT AXLE STEERING

Independent front axle MERITOR-STREPARAVA.
Power steering ZF 8098
Steering wheel adjustable in inclination and height

REAR AXLE

Inverted portal type axle MERITOR IPA U720.
Maximum load 12.000kg
Axle ratio 1:6,29

STRUCTURE

Bodywork made of high resistance steel profiles electrically welded, forming with chassis, sides and roof an integrated structure (self-bearing monocoque). Wheel housings are made of high resistance steel sheet, integrated in the body structure.

SUSPENSIONS

Fully pneumatic with Pirelli air springs.

Front:

- n. 2 air springs
- n. 4 hydraulic shock absorbers

Rear:

- n. 4 air springs
- n. 4 hydraulic shock absorbers
- Rear antirolling bar

The suspension trim is provided by automatic sensors through an electronic control unit (ECAS). Side kneeling system (70mm) with vehicle stop with doors opened. Chassis rising and lowering device.

BRAKES

Service brakes

Front and rear disc brakes pneumatically activated with automatic adjustment of the back lash with independent circuits and ABS/ASR.

Emergency brake

Obtained by sectioning of the service brake.

Parking brake

Mechanic pneumatically activated on the rear axle.

Retarder

Hydraulic type activated by the brake pedal.

PNEUMATIC SYSTEM

Two cylinder air compressor DAIMLER CHRYSLER, water cooled.

WABCO mono chamber air dryer with anti frozen device and automatic condensate drainage system.
n. 5 aluminium air tanks 215 litres in total, with centralized condensate drainage system manually operated.

- press-block plug for air refilling from outside.
- Brass and polyamides piping.

ELECTRICAL SYSTEM

Multiplex type 24 V with 6 electronic units I/O + graphic display as Master unit
n. 2 batteries maintenance free 12 V 220 Ah

DOORS

Double doors swinging inside pneumatically activated with safety antitrap device (safety border).

WINDOWS

Curved front windscreen with safety glass. side windows glued to the structure with upper part sliding horizontally.

PERFORMANCES

Maximum speed ~ 80 Km/h
Maximum grade >16%

FUEL TANK

310 liters

NO LUBRICATING POINTS

Ball bearings are UNI-BEARING lubricated for-life.

WHEELS AND TYRES

Traction twin tyres on the rear. Direction single tyres on the front 275/70 R 22,5; rims ISO 7,5"x22,5". M connection.

MAIN OPTIONS

Driver's air conditioning
Passengers air conditioning
Driver's and passengers air conditioning with independent regulation.
Wheel chair ramp with dedicated area
CRT filter
Urban version with 4 doors.
Onboard GSM-GPS unit for remote diagnostic

