

59, 57, 55, 53

GENERAL CHARACTERISTICS

Length:	12,742 mm
Width:	2,550 mm
Height (without air-conditioning):	3,395 mm
Wheel-base:	6,965 mm
Overhang – front / rear:	2,498 / 3,293 mm
Wheel track – front / rear:	2,020 / 1,817 mm
Floor height:	860 mm
Height of the first step at the front or middle door:	343 mm
Inner headroom in the aisle:	2,254 mm
Clearance height of side windows:	950 mm
Width of the front or middle door:	800 / 800 mm
External swept radius of the turn:	11,987 mm
Internal radius of the turn:	10,241 mm
Front / rear approach angles:	8,9° / 8°
Total weight of the vehicle:	18,000 kg
Total weight on the front axle:	7,100 kg
Total weight on the rear axle:	11,500 kg
Max. volume of inner luggage racks	4.4 m ³
Volume of luggage compartments	6.7 – 6.9 m ³



243 kW (330 Hp)

280 kW (380 Hp)

► BODY AND EXTERNAL EQUIPMENT

- Chassis frame welded on U-longitudinal members and pipe cross-members
- Frame of the sides made of pipes, metal sheeting made of glued thin metal sheets
- The front panel is made of pressed metal sheet, spot welded
- The rear panel made of composite material
- The roof made of pressed steel sections
- Corrosion protection in cathaphoretic bath completed with filler sprayed, and top coat on the basis of polyurethane resins
- One-leaf front and middle door opened outwards - 800 mm
- Doors to the side compartments made of aluminium sheet – may be lifted using a gas pressure spring
- External heated rear-view mirrors, electrically controlled
- Protective flaps
- Plastic covers of rear-view mirrors painted in the "skeleton shade" (polyurethane lacquer or metallic paint with transparent top coat)
- * Double-leaf middle door opened outwards – 1,200 mm
- * Optional top coat
- * Advertising frames
- * Front information panel

► INTERNAL EQUIPMENT

- No platform against the middle door (continuous construction on the left side)
- Floor and steps covered with light-grey PVC covering
- Luggage compartments covered with plywood
- Sides covered with grey Formica panels
- Roof covering: the middle part covered with painted steel sheets
- Partitions covered with grey Formica - 6 mm
- Driver's workplace lighting when the door is open
- * Non-pleated curtains on side windows and on rear window
- * Pleated curtains on side windows and on rear window
- * Removable carpet in the aisle and on steps
- * Platform opposite the middle door
- * Lifting ramp and alteration of the area for transportation of one handicapped person on a wheelchair
- * Middle part of the roof covered with the same covering as passenger seats
- * The lower part of luggage racks and the partitions covered with grey carpet or the same covering as passenger seats
- * Partition behind the driver glazed in its upper part
- * Horizontal holding bars in racks

► RADIO / VIDEO

- Radio with CD-player
- Driver's microphone
- * RADIO III (cassette + CD player); CD changer with a box for 10 CD
- * DVD + monitor 15" in the front and in the middle
- * Guide's microphone (2 positions)

► ELECTRICAL EQUIPMENT

- Batteries 24 V, 170 Ah, installed on a trolley
- 2 alternators, 90 A
- Front fog lights
- Socket 24 V and 12 V on the dashboard
- Socket for recharging and assistance during start-up
- Electrical box in the front left compartment with fuses
- Passenger compartment illuminated with bulbs
- Emergency signal switched on when doors are opened
- Passenger compartment illuminated with fluorescent tubes
- * Electrical box in the front left compartment with thermal circuit breakers
- * Light panel "request stop" with 4 signalling buttons
- * Digital clock in the front cover
- * Batteries 230 A/h installed on a trolley
- * Alternators 140 A + 80 A

► WINDOWS / THERMAL COMFORT

- All windows single, tinted, 5 windows with venting units in upper part
- 4 emergency exits without venting: 2 on the left and 2 on the right
- Thermal and sound insulation of sides / floor / engine compartment / rear bench
- Thermal insulation of the roof
- 2 roof venting units in the front and rear parts of the vehicle
- Floor heating for passengers with distribution of hot air (4 bodies) + channels
- Independent programmable heating with output of 30 kW connected to the main tank
- Electrical demisting of front door
- * Fresnel lens on the rear window
- * 1 l side windows with venting units instead of 5 serial windows
- * Side windows with double glazing
- * Forced venting unit with individual outlets, with individual lighting or without it and with grab handles
- * Air-conditioning (roof unit with or without heating) / with or without individual outlets
- * Separate tank for independent heating

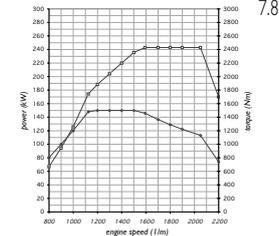
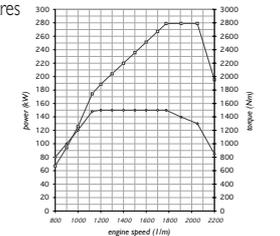
► DRIVER'S WORKPLACE / GUIDE'S WORKPLACE

- Driver' seat with headrest, adjustable, with pneumatic suspension, with self-winding three-point safety belt
- Driver's seat upholstery the same as that on passenger seats
- Front sun-visor
- Digital controlgraph (chip card)
- Dashboard computer (control on the steering wheel)
- Box for 2 bottles
- Box for personal things in the side board
- Outside temperature indicator on the dashboard
- Lockable luggage compartment for the driver
- * Co-driver's seat with folded back-rest/ folded sitting surface and three-point belt
- * Cash box for sale of tickets with lockable drawer

► ENGINE

IVECO CURSOR 8, EURO 4

Max. power:	243 kW (330 Hp) at 2,050 rpm	* 280 kW (380 Hp) at 2,050 rpm
Max. torque:	1,500 Nm (153 mkg) at 1,125 - 1,600 rpm	1,500 Nm (153 mkg) at 1,125 - 1,780 rpm
Cylinder volume:	7.8 litres	

Diesel, six-cylinder in-line, installed in the rear part of the vehicle, direct injection

- Supercharged using the supercharging compressor with variable geometry on the exhaust pipe, with the air-air cooler of the suction air
- Electronic regulation and injection pump
- Ventilator with hydrostatic drive
- Heat exchanger for oil (7.6 dm³)
- Cold start-up using resistor built-in in the inlet collector
- Electric accelerator
- Engine decompression brake
- * Speed regulator - "cruise control" for 243 & 280 kW
- * Increased filtration of solid particles from exhaust gases (CRT filter)

► GEARBOX

- Mechanical six-speed gearbox with gear-change booster ZF 6S.1 600
- * Automatic four-speed gearbox Voith D864.5

► REAR AXLE

- Rear axle U1 67E with single reduction in the middle
- Total ratio 14 x 45; max. speed 127 km/h
- * Other optional ratios - to be consulted

► FRONT AXLE / STEERING

- Front axle with independent wheel suspension and springing
- Hydraulic power-assisted steering

► SUSPENSION

- Pneumatic integral with control valve securing a constant height of the body during any vehicle load
- In front: 2x combined bellow / damper unit; 1x stabilizer rod; 1x suspension valve
- At rear: 4x bellows; 4x telescopic dampers; 4x rear axle guide rods; 1x stabilizer rod; 2x suspension valves
- Device to increase the suspension height
- * Device to decrease the suspension height

► PNEUMATIC CIRCUIT

- Air compressor - 2 cylinders 630 cm³ (pressure: 9.5 bar)
- Air dryer; discharge flaps on air tanks

► BRAKES

- Service brakes pneumatically controlled, disk brakes in front and rear
- Device preventing the wheels from blocking - ABS
- Parking brake: 2 cylinders with a spring
- Emergency brake secured with independent circuits
- System preventing the wheels from skidding - A.S.R.
- * Device preventing the vehicle from starting to move if the front or middle door is open (the so-called FIPO)

► RETARDER

- Electromagnetic retarder for mechanical gearbox
- Built-hydraulic retarder for automatic gearbox
- Possibility to disconnect retarder control depending on the main service brake
- * Hydraulic built-in retarder for mechanical gearbox

► TANKS

- Fuel tank for 310 l filled on the right side with lockable cover
- AdBlue tank of 60 l
- * Fuel tank with volume of 430 l

► WHEEL AND TYRES

- Tyres Matador
- Size: 295 / 80 R 22.5
- Disk size: 22.5 x 8.25-10-152 M 22 E
- The spare wheel is placed in the front overhanging section of the vehicle
- Wheel nuts covers on the front axle
- * Aluminium discs
- * Other tyres – optional – to be consulted
- * Standard stainless wheel covers or plastic covers painted in the colour shade of the vehicle body