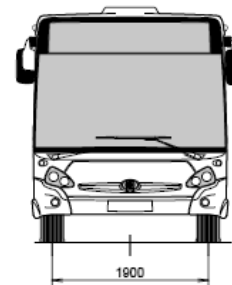
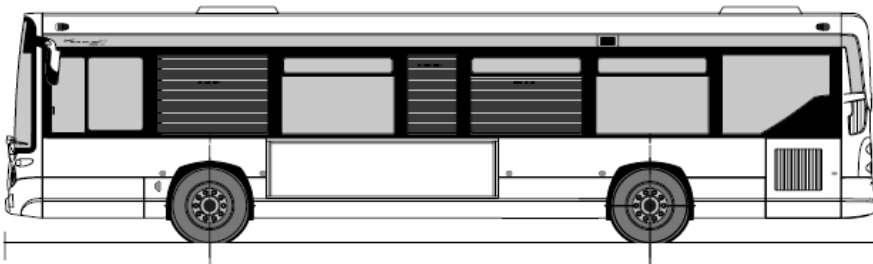
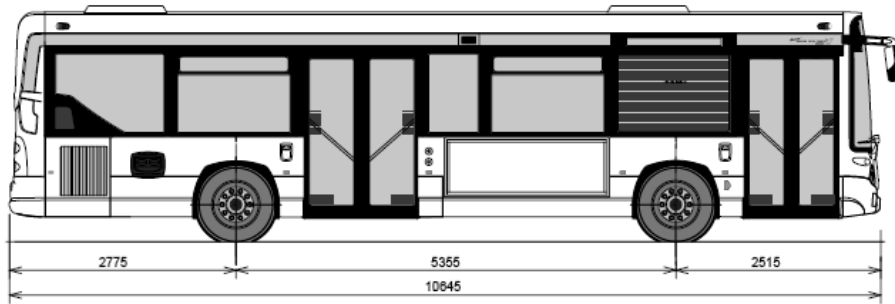




Version for France
 Technical data sheet

September 2009



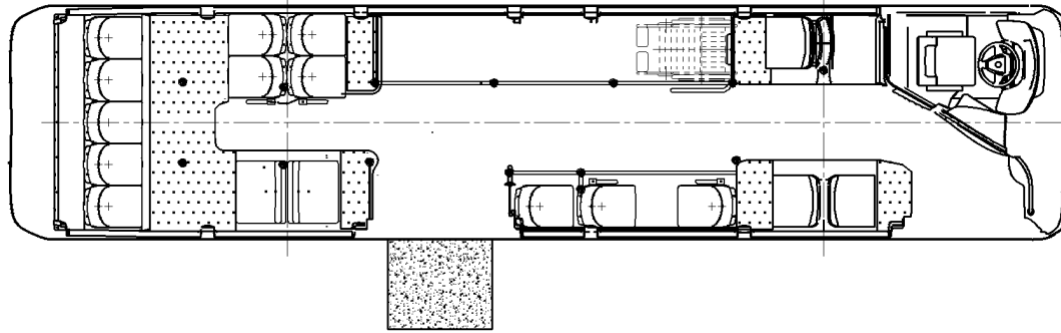
WEIGHTS

Gross kerb weight..... according to equipments
 G.V.W.....17 900 kg
 on front axle..... 7 245 kg
 on rear axle..... 10 800 kg

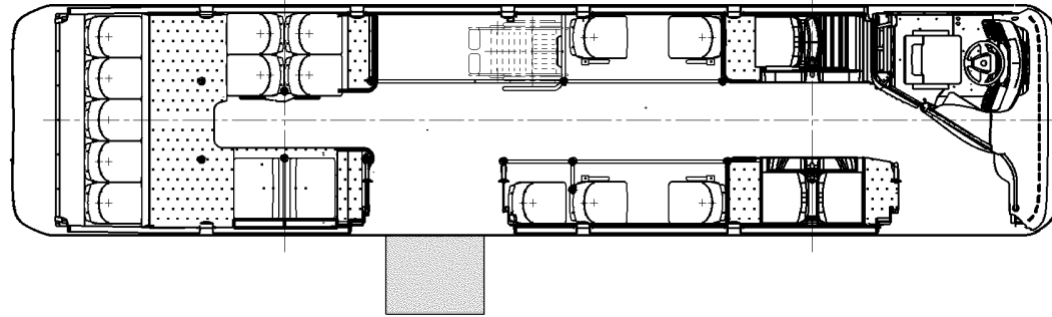
DIMENSIONS

Overall length10 645 m
 Front overhang.....2.515 m
 Wheelbase.....5.355 m
 Rear overhang.....2.775 m
 Overall width.....2.330 m
 Total height, full load.....2.885m
 Inside headroom.....2.395 m
 1st step-height
 front door.....0.320 m
 rear door.....0.330 m
 Width of front / centre doors.....1 000 / 1200 mm
 Floor height0.340 m
 Ground clearance, under skirt.....0.300 m
 Front/rear tracking.....1.900 m/1.838 m
 Inner Turning radius.....8.060 m
 Outer Turning radius.....9.740 m
 Angle of attack / escape.....8°/7,2°

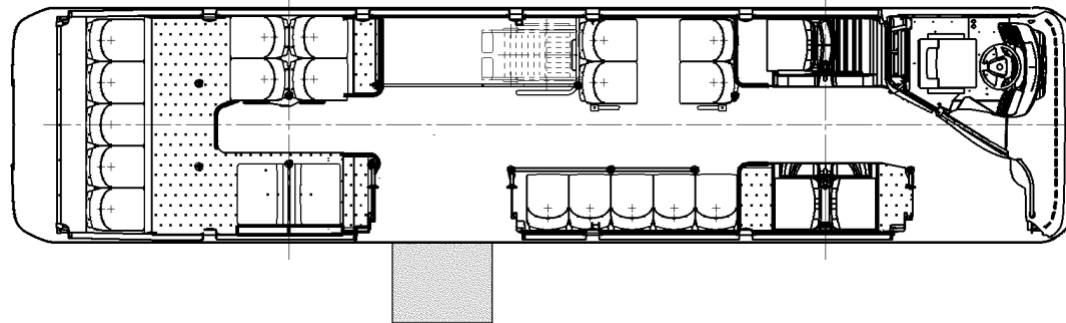
Access
BUS GX 127L



17 seats + driver + driver + "wheelchair" space + 76 standees



19 seats + driver + "wheelchair" space + 71 standees



23 seats + driver + "wheelchair" space + driver + 58 standees

For alternative layouts, please contact us.

CHASSIS AND STRUCTURE

Self-supporting integral structure. Anti-corrosion treatment of chassis by cathophoretic immersion. Body structure consisting in 5 panels (front/rear/left/right/top) made of welded stainless steel sections and sheet panels. Assembling of the 5 panels to the chassis by bolting. 12mm thick plywood floor, protected by phenolic resins on both sides and wax containing resins on ground side.

OPTIONS :

. Fire detector in engine compartment.	. Fire detector and extinguisher in engine compartment.
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PAINT & DECORATION

Exterior paint : polyurethane lacquer finish (white, RAL 9010), without customising.

OPTIONS :

. Custom finish	. Lettering and adhesives
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EXTERIOR EQUIPMENT

Left and right rear-view mirrors. Integrated flag holders. Wheel nut guards on front wheels.

OPTIONS :

. Self de-frosting rear-view mirrors . Side and rear advertising frames . Fender skirt	. Motor driven and self de-frosting rear-view mirrors controlled from driving position . Front and rear wheel caps
--	---

EXTERIOR TRIM

Composite front and rear ends, roof and side panels. Bonded assembly. Gravel resistant protected wheel arches. Composite front and rear bumpers in 3 parts at front end and in 2 parts at rear end.

GLAZING

TSA tinted Panoramic laminated glass windscreen bonded on front face. Tinted rear window. Bonded side windows : right-hand side : 4 fixed single-panel windows and 1 tilting window / left-hand side : 4 fixed single panel windows, 2 tilting window s. Driver's window : sliding type in front part. TSA tinted glass all round.

OPTIONS :

. Lower windows on platform. . 3 tilting windows on the left side and 2 tilting ons on the right side.	. Heat-reflecting side windows. . Heat-reflecting windscreen. . Sliding type side windows.
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ACCESS AND DOORS

2 inward swing doors. 2-leaf doors are air-driven. Both leaves of front door are double glazed. Brakes applied by opening of the central door. Manual access ramp on the central door. Buzzer on doors.

OPTIONS :

. Floor mounted BIRCHER step-on sensors on front doors. . Safety by photo-cells on doors. . Passenger counting system on LCD screen. . Self service.	. Brakes applied by opening of the front door. . Door opening by passenger. . Electrical access ramp . Center sliding doors.
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INTERIOR TRIM

High wear resistant floor covering up to plinths top. Laminated roof and side panels. Thermo-formed wheel arches. Polyester ceiling arches.

DRIVER'S COMPARTMENT

Adjustable steering wheel (height and angle). Air-suspended driver's seat with adjustment control on right-hand side. VDV instrument panel with warning lamps and control display panel. Pivoting door, wall behind the driver with a glazed upper part. Interior rear-view mirrors. Left front and side hand-actuated roll sun visor. Driver's individual light, luggage.

INTERIOR FINISHES

Front destination indicator with full opening door. TSA tinted glazed partitions on doors. 4 loudspeakers. 5 « emergency exit » hammers. Fire extinguisher location close to the driving position. 5 « stop requested » push buttons with acoustic warning. « wheelchair » space with padding and sensitive « stop requested » push button with acoustic warning.

OPTIONS :

. Padding on platform . Additional « stop requested » switches . Video surveillance	. Fire extinguisher . Interior information frames . First-aid box (empty). . Driver loudspeaker.
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HEATING - COOLING

Front heating/de-frosting unit used for driver's compartment (air from outside or re-circulated air). 4-speed control (power : 17 500 W). 1-off passenger heater (forced air, 8 140 W) with 2 speeds controlled from the dashboard. Insulated roof.

OPTIONS :

. Motor driven roof hatches . Hand actuated roof hatches . Passenger and driver's compartment air conditioning. . Driver's compartment air conditioning.	. Additional heater in passenger Compartment. . Autonomous heater. . Heat-reflecting glazed roof hatches, motor-driven. . Glazed roof : Lumi'Bus.
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SEATS LAYOUTS

4 seats dedicated to people with reduced mobility. Epoxy stanchions and handrails. Grey epoxy-painted seat legs.

OPTIONS :

. Multi-branch stanchion on central platform . Stainless steel stanchions and handrails	. For passenger seats options (anti-vandalism upholstered, or other seat models etc) please contact us
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DESTINATION AND INFORMATION EQUIPMENT

Preparation for front or lateral electronic destination indicator. 1-off illuminated « stop requested » sign box at the front. Preparation for illuminated strip display behind the driver. Preparation for acoustic and visual information.

OPTIONS :

. Line stops map (single or double sided) near the ceiling . Lateral destination indicator flush mounted with side window top	. Additional illuminated « stop requested » sign boxes . Line number display at rear window . Front destination indicator . Acoustic and visual information of destination.
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ELECTRICAL EQUIPMENT

24 Vdc nominal voltage. 2-off 12 V 185 A/h maintenance-free batteries mounted on a sliding support located in an outside compartment at the vehicle front left-hand side . Battery re-loading and engine start FENWICK socket. 2-off 90 A alternators. Thermal circuit-breakers. Front lights : parking lights, dipped headlights, driving lights hinge fitted and turning lights. Rear lights : parking lights, stop lights, fog lights, reverse lights and turning lights. 3-speed electrical windscreen wipers with intermittent speed controller. Electrical windscreen washer with wiper mounted nozzles. Passenger compartment lighted by fluorescent overhead lights (staggered lighting possible). Door step lighting at door opening. Lighting of driver's compartment, paying position and steps. Engine compartment lighting. Electricity-saving system for intensive use whilst engine is off. Electrical cabinet located in the lower section of the wall behind the driver's seat. Diagnosis system on board (1st level).

OPTIONS :

. Front fog lights . flashing/stop indicators on the top of rear end. . Inside atmosphere lightings.	. Complete radio equipment . Monoring gong for pedestrian zone . 3 rd stop light. Average fuel consumption on dashboard
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DRIVE LINE ENGINE

Engine position..... rear left, in-line
 MakeIVECO
 Type.....F4A
 Cycle.....4-stroke, diesel
 Bore.....102 mm
 Stroke.....120 mm
 Number of cylinders.....6
 Cylinders lay-out.....upright, in line
 Cubic capacity5.9 cc
 Compression volumetric ratio.....17/1
 Overfeed.....exhaust turbocharger
 with intercooler
 Cooling system.....liquid circuit with thermostat, radiator
 hydraulic-driven cooling fan, steel pipes
 and silicon flexibles.
 Air filter.....dry
 Fuel (common rail)diesel
 Lubrication.....oil circulation under
 pressure
 single cartridge oil
 filter
 Max. output160 kW (218 HPDIN)
 at 2 500 rpm
 Max. torque.....680 Nm at
 1 200 rpm
 Fiscal power.....16 HP
 Sound proofing.....noise shield and
 encapsulation
 of engine
 compartment
 Emergency stop / sound alarm.....engine running
 Air + gearbox
 +engine water/oil
 +alternator failure
 +probe on cooling liquid
 tank

OPTIONS :

- . 194 kW (265 HP) engine
- . Diesel pre-heater.
- . E.E.V. version with particle filter.

GEARBOX

ALLISON T280R automatic gearbox : 4 forward gears, 1 reverse gear. Automatic gear change or from dashboard push buttons, built-in retarder, "YOKE" type propelling shaft.

	1 st	2nd	3rd	4th
Gear Ratios	3.49	1.86	1.41	1

OPTION :

6 forward gears	1st	2nd	3rd	4th	5 th	6th
Gear Ratios	3.49	1.86	1.41	1	0.75	0.65

FRONT AXLE

Independent front wheels.

REAR AXLE

ZF AV 132-90 ° double-reduction axle. Reducers ratio in hubs : 1/3,2.
 Axle torque : 6.20

SUSPENSION

Constant height air suspension. 2 air bellows at the front, 4 air bellows at the rear. Constant floor height controlled by electrical levelling valves. Suspension high-position for driving over obstacles. Kneeling and raising system (60 mm stroke) on vehicle right-hand side, controlled from the driving position.

STEERING

Hydraulic power assisted steering. ZF 8098 steering box.

COMPRESSED AIR

Pressure : 12 bars. 630 cm3 twin-cylinder air compressor with a 760 l/mn flow rate. Driven by sprockets and cooled by the engine circuit. Polyamide and stainless steel piping, quick fittings. Singletower air dryer. Manual bleeding on the air tanks. Cyclone air cleaner.

OPTIONS :

- . Manual bleeding, offset

BRAKES

Service brakes : air-controlled disc brakes at the front and at the rear. Gear box built-in hydraulic retarder coupled to the service brakes. Pneumatic parking brake actuated by lack of air, spring chamber on rear wheels. Door brake : manually controlled temporary stop operating on the rear braking circuit. Parking brake and door brake controlled via separate circuits. Emergency braking operated by parking brake. ABS braking system.

OPTION :

- . ASR.

FUEL TANK

Capacity : 160 litres + 16,5 litres of AdBlue additive. Tank filling spouts on vehicle rear right hand side. Fuel filling speed, without discharge, of about 80 l/mn.

WHEELS AND TYRES

275/70 R 22.5 tyres at the front and 435/60 R 22.5 tyres at the rear.

OPTIONS :

- . Rear towing eye bolts.
- . Standard vehicle accessories kit.
- . Lose spare wheel or rim.
- . 455/45 R 22.5 tyres at the rear.

PERFORMANCES

Maximum speed : 88 km/h . Speed limiter with 6 forward gears gear box.