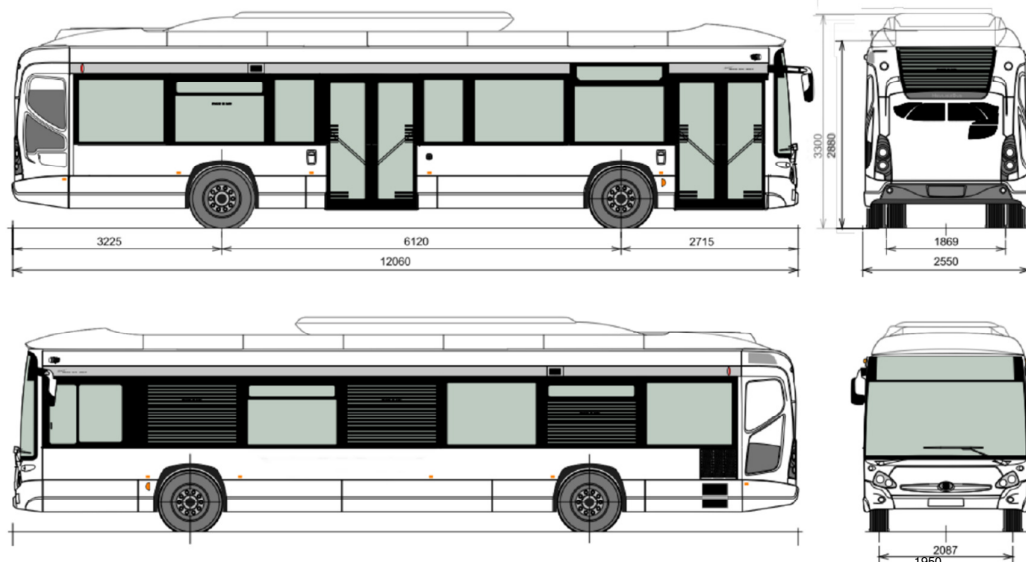
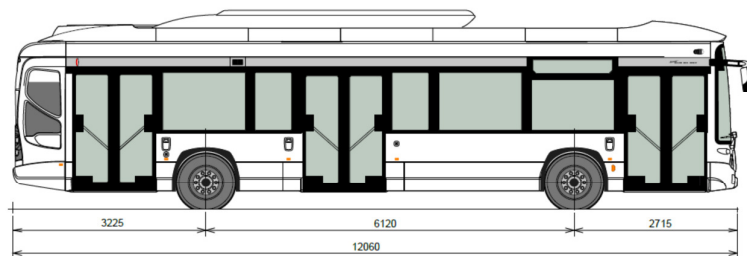




2 Access doors



3 Access doors



Version for France
Technical data sheet
September 2013

WEIGHTS

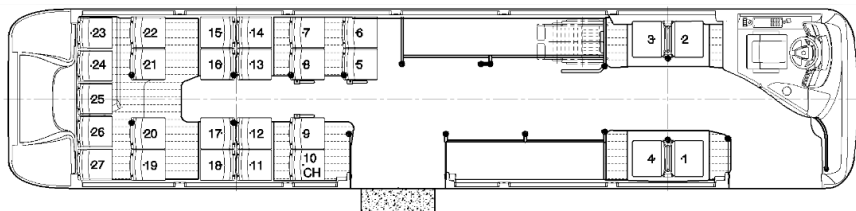
Gross kerb weight	according to equipments
G.V.W. max permitted weight	19 845 kg
on front axle	7 245 kg
on rear axle	13 000 kg

DIMENSIONS

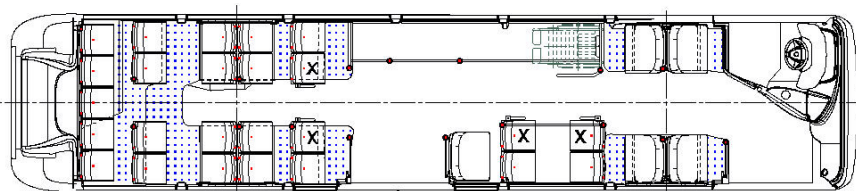
Overall length	12.060 m
Front overhang	2.715 m
Wheelbase	6.120 m
Overall width	2.550 m
Total height, full load	3.300 m
Inside headroom (front part)	2.384 m
1 st step-height	
front door	0.320 m
centre & rear door	0.330/0.340 m
Width of doors	1200 mm
Floor height	0.340 m
Ground clearance, under skirt	0.300 m
Front/rear tracking	2.087 m/1.869 m
Inner Turning radius	9.095 m
Outer Turning radius	10.905 m
Angle of attack / escape	7.4°/7.4°

GX 337 HVB

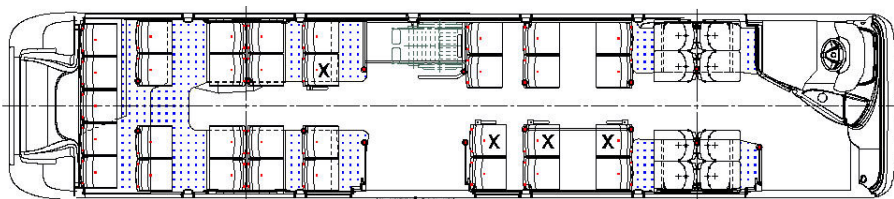
2 Access doors



27 seats + driver + "wheelchair" space

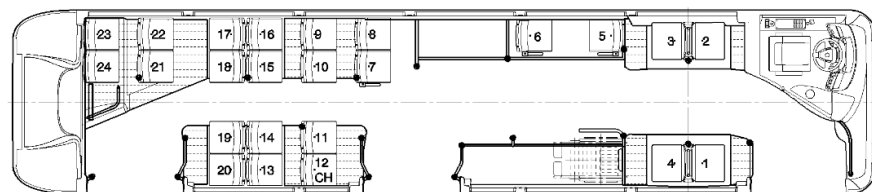


30 seats + driver + "wheelchair" space

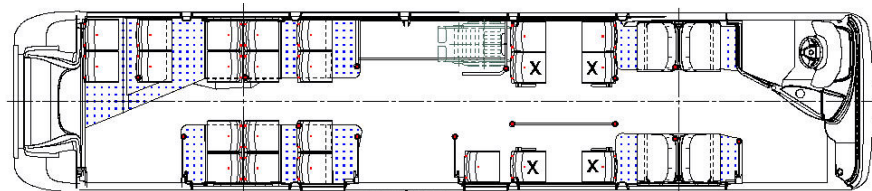


41 seats + driver + "wheelchair" space

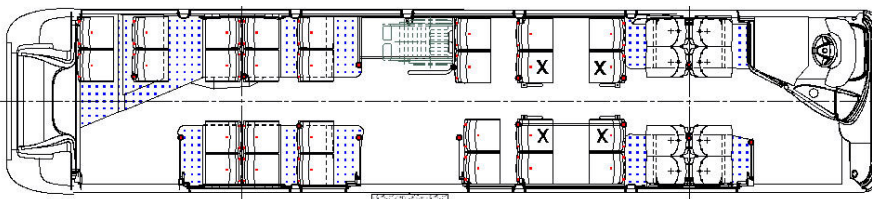
3 Access doors



24 seats + driver + "wheelchair" space



27 seats + driver + "wheelchair" space



36 seats + driver + "wheelchair" space

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 . Left 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
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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 at rear end.

GLAZING

TSA tinted Panoramic laminated glass windscreen bonded on front face. Tinted rear window. Bonded side windows : right-hand side : 5 fixed single-panel windows and 1 tilting window / left-hand side : 4 fixed single panel windows, 2 tilting window. Driver's window : sliding type in front part. TSA tinted glass all round.

OPTIONS :

. Sliding type side windows. . Triangular windows on platform. . Heat-reflecting side windows. . Glazed roof : Lumi'Bus ®	. Heat-reflecting windscreen. . Left-hand side : 5 tilting windows . Right-hand side : 2 tilting 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 :

. 3 door version . Safety by photo-cells on doors. . Passenger counting system on LCD screen.	. Brakes applied by opening of the front door. . Self service. . . . Electrical access ramp . . Center sliding doors. . 3rd inward swing door.
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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 side and front sun visor. Driver's individual light, luggage box. Average fuel consumption on dashboard.

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, 7500 W) with 2 speeds controlled from the dashboard. Insulated roof.

OPTIONS :

. Motor driven opaque roof hatches . Hand actuated opaque roof hatches . Passenger and driver's compartment air conditioning	. Additional heater in passenger compartment . Autonomous pre-heater . Heat-reflecting glazed roof hatches, motor-driven
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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. . Front destination indicator. . Line number display at rear window. . Acoustic and visual information of destination.
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ELECTRICAL EQUIPMENT

24 V nominal voltage. 2-off 12 V 225 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 300 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 . 3 rd stop light . Flashing/stop indicators on the top of rear end. . Atmosphere lightings with leds blue.	. Complete radio equipment . Monoring gong for pedestrian zone . Day time running lights
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DRIVE LINE ENGINE

Engine position rear left, longitudinal
Mark FPT
Type Tector 7
Cycle 4-stroke, diesel
Bore 104 mm
Stroke 132 mm
Number of cylinders 6
Cylinders lay-out upright, in line
Cubic capacity 6.7 cc
Compression volumetric ratio 17/l
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. output (2 doors) 210 kW (286 HPDIN)
at 2 500 rpm
Max. torque..... 1000 Nm at
1250 rpm
Fiscal power 18 HP
Sound proofing noise shield and
encapsulation
of engine
compartment
Emergency stop / sound alarm..... engine running
Air
+engine water/oil
+alternator failure
+probe on cooling liquid
Tank
Exhaust pipe..... in low position
Diesel pre-heater

SERIAL HYBRID STRUCTURE

- Integrated starter Generator (140 kW) produces electricity to charge the batteries and power the electric motor.
Restart the Diesel engine for the « Stop & Start » function.
- Energy storage lithium-ion batteries (11 kWh), to recover kinetic energy when braking. Power the electric motor when accelerating.
- Electric engine of 120 KW continuous and 175 kW drives the rear axle.
- Braking energy recovery.

OPTIONS :

. "Arrive & Go " function diesel engine being cut off before bus stop.

FRONT AXLE

Front independant wheels.

REAR AXLE

ZF AV 132-87 ° double-reduction axle. Reducers ratio in hubs : 1/3.2.
Axle torque : 6.21 (19x37).

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. 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-ASR braking system. EBS braking system.

FUEL TANK

Capacity : 300 litres + 54 litres of AdBlue additive. Tank filling spouts on vehicle rear right hand side.

OPTIONS :

. Fuel tank capacity : 230 litres.

WHEELS AND TYRES

275/70 R 22.5 tyres at the front and 315/60 R 22.5 tyres at the rear.

OPTIONS :

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

Maximum speed : 70 km/h .