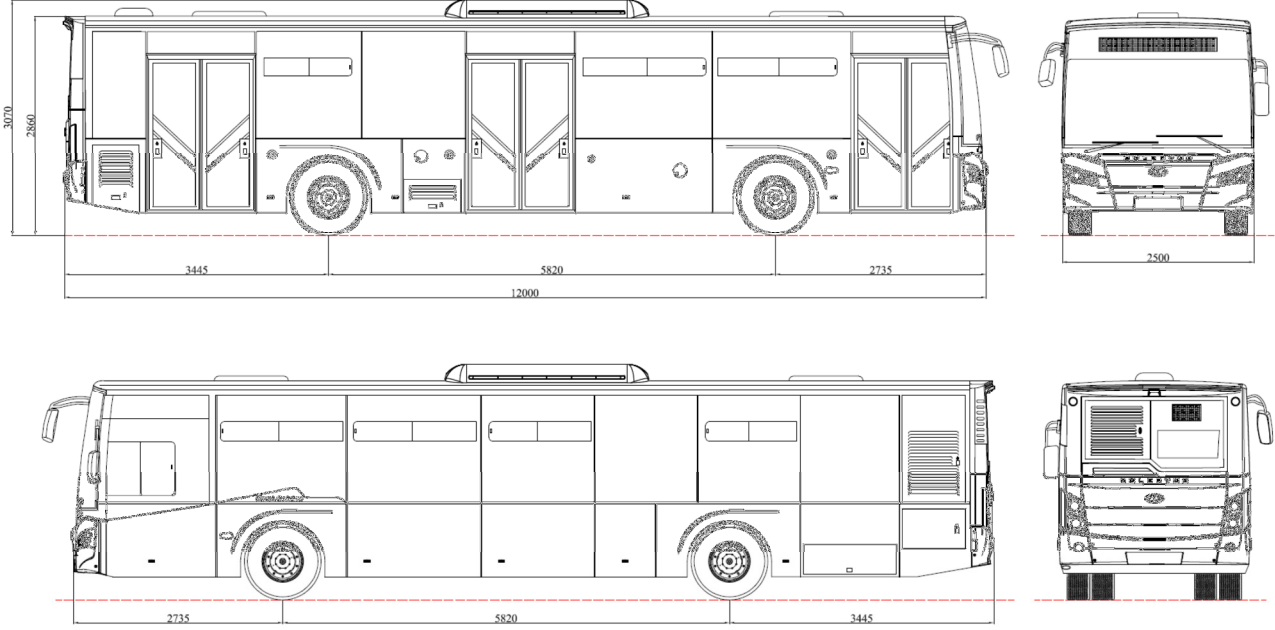


TECHNICAL SPECIFICATION OF GD 272 LOW FLOOR CITY BUS**A-DESIGN:**

GÜLERYÜZ GD 272 LF city bus is designed for transportation of passengers under urban conditions of operation.



TECHNICAL SPECIFICATION OF GD 272 LOW FLOOR CITY BUS



B- OVERALL DIMENSIONS (mm)		
A	: Length	12.000
B	: Width	2.500
C	: Height	3.070
D	: Wheel base	5.820
E	: Front track	2.024
F	: Rear track	1.822
G	: Front overhang	2.735
H	: Rear overhang	3.445
	First step height	340

C- ENGINE:

Made	: MERCEDES-BENZ	CUMMINS
Type	: OM 936 LA, Diesel	ISB6.7, Diesel
No of cylinders	: 6 – in line.	6 – in line.
Total displacement	: 7,7 liters	6,7 liters
Emission standard	: Euro 6	Euro 5
Max. power	: 220 kW (299 hp) – 2200 rpm	221 kW (300 hp) – 2200 rpm
Peak torque	: 1200 Nm 1200 – 1600 rpm	1020 Nm 1200 – 1800 rpm
Air compressor	: 600 cm ³ displacement of piston	600 cm ³ displacement of piston

D- COOLING SYSTEM

Radiator – Intercooler – Oil Heat Exchanger
Hydraulic fan driving system and Hydraulic pump

E- PERFORMANCES:

Maximum climbability at GVW	: 32%
Maximum speed of vehicle at GVW	: 100 km/h

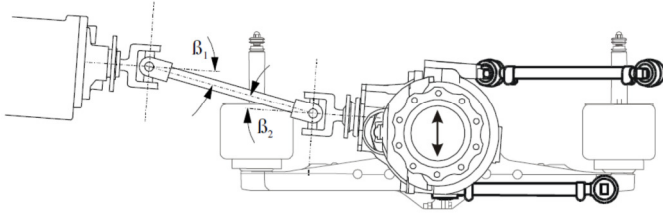
TECHNICAL SPECIFICATION OF GD 272 LOW FLOOR CITY BUS

F- GEARBOX:

Made	: ZF ECOOLIFE		
Type	: 6 AP 1200 B Automatic Transmission		
Number of gears	: 6 forward and 1 reverse gear, with integrated interarder		
1 st gear	: 3,36	2 nd gear	: 1,91
3 rd gear	: 1,42	4 th gear	: 1,00
5 th gear	: 0,72	6 th gear	: 0,62

G- AXLES:

Front Axle	: ZF, RL 82 EC type, independent bus axle for low floor applications.
Rear Axle	: ZF, AV 133 type, with centre drive offset to the side, rigid bus axle.
Reduction ratio	: 5,73:1



H- SUSPENSION:

Front	: 2 air bellows+ Double effected shock absorbers
Rear	: 4 air bellows+ Double effected shock absorbers
	Balance arms and bogies at front and rear axles.

I- STEERING SYSTEM:

Hema brand, ZF type 8098, left hand drive, integrated spherical joints and hydraulic power assisted system.
Adjustable steering wheel with lock.

J- FRAME - BODY:

CHASSIS Monocoque frame of chassis and body of bus are built up by using square cross section galvanized steel tubes.
TRIMMING Side external panels, service flaps, of bus are made of aluminum sheets. Front and rear panels, front and rear bumpers, engine flap are made of fiberglass.
FLOORING Flooring is made of 15 mm thick high quality plywood covered with anti-slip and flame-retardant linoleum. The bottom part of plywood is coated with agent based on bituminous. Under floor assemblies are accessible through secured, well insulated and sealed access panels provided inside the bus.
WINDSCREEN Windscreen is made of undivided (single piece) laminated glass.
GLAZING Glued and single-glazed side windows. In emergency situations the side windows can also be used as emergency exits. Appropriate glass hammers are provided on each window pillar.
HEATING Convectors (heat exchanger) fixed inside passenger compartment + front driver's heater and defrosters for front windscreen operating by distribution of coolant from engine cooling system. There are shut-off valves in the return and supply pipe lines of the heating system. EBERSPACHER brand pre-heater placed in engine compartment

TECHNICAL SPECIFICATION OF GD 272 LOW FLOOR CITY BUS

AIR CONDITIONER

Mounted in front part of the vehicle ST 432 (38.000 Kcal) model A/C driven by bus engine.
Two cylinder compressor with magnetic clutch pulley

SEATS

GRAMMER made driver's seat with air suspension, automatic adjustment depending on load, adjustable to all directions.

Max. 27 plastic single passenger seats with handles, rigid.
(as well as seating and rest surfaces of passenger seats are upholstered with fabrics)

DOORS

Three (3) Electro pneumatically operated doors which are made of aluminum.

Front, rear and central doors are with inward opening at the right side of the bus. Doors are also equipped with safety system to prevent passengers from being trapped between the doors. There are also covered emergency switches which are installed according to regulations applicable in area of operation.

HANDRAILS AND GRAB HANDLES IN PASSENGER COMPARTMENT:

Handrails inside the bus are made of \varnothing 30 mm stainless steel. Fixing and branching units of handrails are made of casted aluminum also coated with electrostatic powder light blue paint.

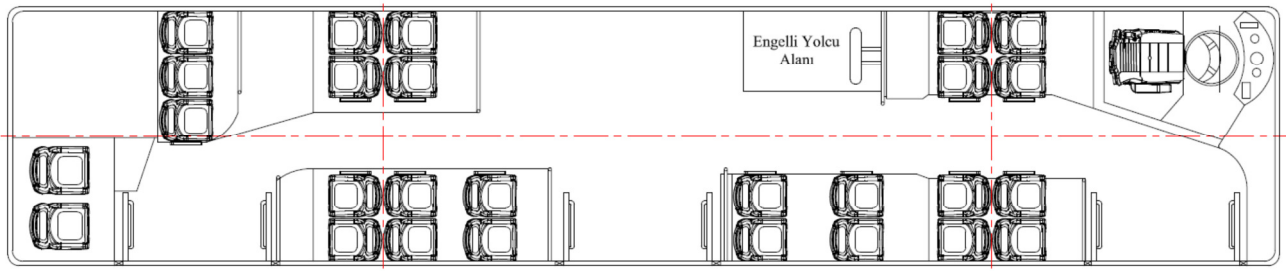
STOP request buttons are fixed on required places inside the vehicle.

EXTERIOR COLOUR:

The body paint design and colors are defined according to the color specification provided by customer.
As optional, the bus can be painted with metallic color

K- PASSENGER CAPACITY

Driver + 27 passenger seats + 68 standee passengers + 1 wheelchair area.



L- BRAKE SYSTEM:

Service brake	:	Disc brakes. Dual line air brake system by Knorr Bremse.
Parking brake	:	Spring actuators at rear wheels, compressed air control. Air released by applying the hand brake lever leads to engaging the parking brake.
Sustained-Action	:	Intarder integrated with Automatic gearbox

M- TYRES AND RIMS

Tyres	:	275/70R 22,5 (6+1)
Rims	:	8.25 x 22.5

N- FUEL TANK CAPACITY

Fuel Tank	:	300 Lt
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O- WEIGHTS:

GVW	:	17.800 kg
Death weight of vehicle	:	10.720 kg
Front Axle capacity	:	8.200 kg
Rear Axle capacity	:	11.500 kg

TECHNICAL SPECIFICATION OF GD 272 LOW FLOOR CITY BUS**P- ELECTRICAL SYSTEM:**

Voltage	:	24V
Battery	:	2 x 12V 240 A/h
Generator	:	28V/150A (x2)

R- EXTERIOR AND INTERIOR LIGHTS AND DEVICES**EXTERIOR:**

Headlamps	:	2 x LO/Hi beams headlamps. Each headlamp is constructed in a way that it has front parking lamp or front position lamp in white color
Fog Lamps	:	Rear Fog lamps
Front Top Clearance Lights	:	2 front top clearance lamps separately mounted on the left and right at a maximum height compatible with the requirements of the vehicle.
Direction Indicating Lamps	:	2 direction indicating lamps in front of the vehicle, each side of the vehicle. 2 rear direction indicating lamps, each side of the vehicle. 2 surface mounted direction indicating lamps each side of the rear bumper.
Side Marker Lamps	:	Eight (8) pieces reflectorized side marker lamps symmetrically and equally divided on each side of the bus.
Rear Light Assembly	:	One (1) assembly on each side at the rear of the vehicle. Individual rear light assembly is composed of the Tail light, Stop light, Reversing light, Fog light, and Direction Indicating Lamps.
Registration Plate Lamp	:	Registration plate lamp illuminates white light.
Rear Top Marker Light	:	Individual rear rectangular top lights.
Rear Reflectors	:	2 pieces red reflectors, fitted at the rear on the surface of the rear bumper.

INTERIOR:

Multi-function LED lamps alongside left and right side of ceiling.
Lighting of steps at each entrance door.
Lighting of driver's compartment.

S- STANDARD EQUIPMENT:

- Manual Wheelchair platform
- Wheelchair place
- Digital Route and destination board
- Multiplex system
- Digital Tachograph
- 7" LCD monitor (rear view)
- Security Cameras / Mobil DVR
- Automatic driver's sun visor
- ECAS/ELC
- Stainless Steel handrails
- Pre-heater
- Door Remote control system
- Fire extinguishers (x2)
- Tool box and tools

T- OPTIONAL EQUIPMENT:

Steel rims