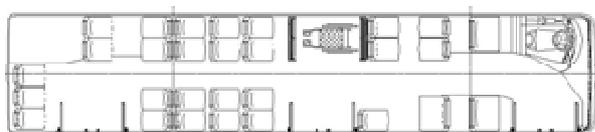


### POSITION OF SEATS

can be modified to individual customer needs



### EXTERNAL DIMENSIONS

Length	12 030 mm
Width	2 550 mm
Height	3 354 mm
Wheel base	6 020 mm
Floor height	340 mm
Kneeling	270 mm
Front axle spacing	2 096 mm
Rear axle spacing	1 830 mm
Width of door	1 200 mm

### WEIGHT DATA

Total weight	19 000 kg*
Curb weight	12 100 kg
Front axle load at total weight	6 500 kg
Rear axle load at total weight	11 500 kg

### FUEL SYSTEM

Fuel	CNG
Filling pressure	200 bars
Quantity of pressure tanks	3 pcs (4 optional)
Total capacity of fuel tanks	960 (1280) dm <sup>3</sup>
Location of pressure tanks	on the roof of the vehicle
Material	composite
Max. speed	80 km/h

### CAPACITY

Total capacity	102 persons*
Standing capacity	57 persons
Quantity of seats	26 - 29
Tip-up seats	2 - 4
Wheelchairs	1 - 2

\* according to specific local conditions (up to 19 000 kg)

# TEDOM C12 G

## Low-Floor City Bus

### **ENGINE: TEDOM**

Vertically placed at the left rear side of the bus with electronic gas intake for individual suction valves, 6-piston, 4- stroke, with forced air filling by turbo blower and cooler of filling air and a built - in heater for the pressure regulation system.

Parameters:	
Stroke capacity	11 946 cm <sup>3</sup>
Engine output	220 kW at 2000 min <sup>-1</sup>
Max. torque	1200 Nm at 1200 - 1450 min <sup>-1</sup>
Cylinder bore/piston stroke	130/150 mm
Emission standard	EURO 5, EEV

### **GEARBOX: VOITH DIWA.5**

- \* fully automatic, 4 speeds forward, 1 speed back, with torque converter and built-in retarder
- \* gear change is electrically controlled, 6 button control
- \* ANS (automatic change to neutral while standing)

### **REAR AXLE ZF AV 132/80°SLF**

- \* portal type
- \* hypoid transmission i=6.20
- \* torsion – bar stabilizer

### **FRONT AXLE**

- \* fixed axle / independent axle
- \* torsion – bar stabilizer

### **STEERING ZF 8098**

### **BRAKE SYSTEM**

#### **OPERATIONAL BRAKES**

- \* double- circle pneumatically controlled
- \* disc brakes Knorr at the front and rear axle
- \* ABS / ASR

#### **PARKING BRAKES**

- \* pneumatically controlled spring cylinder, operating on rear wheels

#### **STOPPING BRAKES**

- \* pneumatically controlled
- \* automatically activated when doors open
- \* manual handling (used when standing at traffic jam, transport hold-up etc.)
- \* blocking of drive at speed over 5 km/h when doors open

#### **RETARDER**

- \* integrated into gearbox, connected with operational brake, with possible manual control

### **PNEUMATIC SYSTEM**

- \* fitted with oil separator and dryer
- \* led from plastic tubing
- \* automatically controlled dirt removal
- \* easy filling up from outside source
- \* air unit WABCO

### **HYDRAULICS**

- \* front hydraulics: 2x air bellows, 2x shock absorber
- \* rear hydraulics: 4x air bellows, 4x shock absorber
- \* electronic system for controlling the height of the vehicle- ECAS system
- \* electronic system allows: lowering of the bus height when standing at the bus stop – kneeling, total height increase of the vehicle

### **ELECTRICAL SYSTEM**

- \* two batteries 225 Ah
- \* stop buttons to signal from passenger place to driver
- \* acoustic signal at reverse gear
- \* automatic acoustic signaling of the door closing
- \* illumination of passenger space with fluorescent lamps
- \* individual lighting of driver space
- \* spot lamps at door space
- \* front lights - headlights /dipped lights / direction lights / upper and lower sidelights / fog lights
- \* rear lights – reverse lights / brake lights / upper and lower sidelights/ direction lights / fog lights / 2x upper brake lights

### **BODYWORKS**

- \* self- supporting stainless steel construction, welded from high strength, thin-walled closed profiles
- \* roof material – polyester coat (reinforced with glass fiber)
- \* external coating material – aluminium plate and plastics
- \* side panel material –aluminium plate and plastics
- \* front and rear material –solid reinforced laminated glass panel
- \* coating method (side walls, roof, tail and front) – fixed to bodywork
- \* heat insulation (roof, side walls, front and tail) – ISOVER insulating matting with aluminium film

### **ANTI-CORROSION PROTECTION**

- \* bodywork from stainless steel, does not need any further anti-corrosion protection
- \* the life span is at least 12 years without general repairs if the operation is in compliance with operational instruction

### **WHEELS**

- \* steel rims
- \* nut covers of front axle wheels

### **SEATING**

- \* KIEL
- \* 17 seats without steps
- \* 3 seats of 1,5 size (mother + baby)

### **DOORS**

- \* 3 pcs, two-wing, all-glass, open inwards
- \* each door electrically controlled from drive dashboard
- \* lockable
- \* secured against constriction, fitted with automatic acoustic signal of closing
- \* without entry steps
- \* edges covered with aluminium plates
- \* controlled from driver place
- \* the second door space fitted with mechanically controlled ramp for invalid chairs or prams entry

### **FLOOR, INNER WALLS AND CEILING**

- \* low along whole bus, with no entrance steps
- \* from plywood, proofed against water and fire
- \* coated with ALTRO anti-slip welded PVC covering
- \* inner walls covered with aluminium plate and coated with plastic sheet
- \* covered elements from plastic to allow the placing of advertisements

### **GLAZING, VENTILATION AND HEATING**

- \* single windscreen fixed to bodywork
- \* all windows colored
- \* front door partly fitted with el. heating
- \* side windows fitted with shift air ventilation (5x)
- \* 2x electrically controlled roof windows
- \* fresh air vent of windscreen, side windows in the driver space and front door space
- \* 2 ceiling ventilators for passengers space ventilation
- \* heating water system fuelled by the liquid in the motor cooling unit
- \* auxiliary independent diesel heating EBERSPRÄCHER for engine preheat (CNG WEBASTO – Optional)
- \* driver's cabine or whole bus air-conditioning ( Optional)

### **SPACE FOR DRIVER**

- \* locked type cab
- \* lockable box over driver's seat
- \* space for driver heated with extra radiator
- \* controlled air-conditioning of driver's space
- \* vertically and horizontally adjustable steering wheel incl. dashboard VDO
- \* digital board with operational data for driver

### **COMPULSORY EQUIPMENT**

- \* 1x scotch block, reflective warning triangle
- \* first aid kit, set of spare lamps and fuses, reflective emergency jacket

\* opce