



Mercedes-Benz

Mercedes-Benz Türk A.Ş.

Londra Aşalı, Kartaltepe

Bakırköy 34530 İstanbul

Phone : (1) 560 14 80 - 559 23 81

Telex : 28749 citpa tr - 28956 citis tr

Telefax : (1) 559 04 40



Mercedes-Benz

O 302 T
City Bus

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The illustrations may show vehicles with optional extras that are not part of standard specification.



0 302 T City Bus

Mercedes-Benz Türk A.Ş. taking into consideration the ever changing and increasing difficulties of city transport conditions, is manufacturing modern and high quality city buses, thus meeting the requirements of "modern life standards".

0 302 T city bus is the new result of this concept. 0 302 T is the perfect combination of high technological values, high manufacturing quality and meticulous workmanship. This bus keeps a perfect performance under difficult road and traffic conditions of city transportation.

0 302 T being the result of high quality production and technology is an advantageous and economic bus due to the fact that it requires minimum repair and minimum operating expenses.

Advantages of 0 302 T

- OM 421 V-6 type engine that provides high performance under any climate and driving conditions.
- High performance resulting from perfect coordination between engine, transmission and differential.
- Servo steering. Easy ride and handling, high manoeuvrability.
- Air suspension. Stable vehicle height under any load.
- Additional heater (Webasto).
- Galvanised steel sheet body.
- Optional luggage compartment at the bottom.
- Easy maintenance, 100.000 km or 1-year guarantee, service/maintenance network throughout the country, plenty spare parts supply.

High Technology of Mercedes-Benz Türk A.Ş. 0 302 T City Bus

Engine

- Due to modulated construction system; mutual use of spare parts, easy maintenance and spare parts availability on V-engines.
- Due to the Mercedes-Benz direct injection system, optimal burn, low consumption, noiseless operation and minimum level of emission, easy start in cold weather.
- Long-life engine, result of superior design that provides low engine speed range and low temperature operation.
- The OM 421 V-6 engine that has proven itself in Turkey and the Middle East since many years.

Transmission Parts

- The optimal transmission of power from engine to wheels is realised by a power train which consists of products of high technology.
- The gear ratios of the full synchromesh transmission with 5 forward gears are designed for economic operation and high performance. Climbing ability and acceleration therefore is at optimal level.

Steering

- Besides excellent manoeuvrability, the Mercedes-Benz servo steering wheel has the ability of absorbing shocks coming from road.
- Guarantees good road adaptation under difficult road and driving conditions.

Suspension

- With air bellows being placed outward, good cornering stability and driving performance is obtained.
- Stabilized air pressure of bellows by height-adjustment valves ensures constant height of the vehicle under all weights.
- Air bellows do not need maintenance and can easily be repaired.

Sturdy Monoblock Body

- The body made of strong square steel profiles is monoblock and highly resistant to all torsional-flexing with both upper and lower parts of its structure.
- Strongly resistant yet light body enables transportation of more passengers with less fuel consumption.
- Zinc covered body presenting all precautions against corrosion enables the vehicle to serve long years.

Ideal Driver's Place

- The ergonomically designed driver's place of 0 302 T makes the driver's work lot easier. All controls, indicators, buttons are within arm's reach and the full view of the driver to ensure driving safety.
- Non-dazzling, concave, large, panoramic side windows contribute to wide vision of the driver.



Ticket Box and Ticket Conductor's Seat

- The ticket box placed appropriately near the driver's seat is equipped with a cutting mechanism for used tickets.
- Also if desired, a ticket conductor's seat may be installed near the rear door for rear door entrance.



Comfort For All Passengers

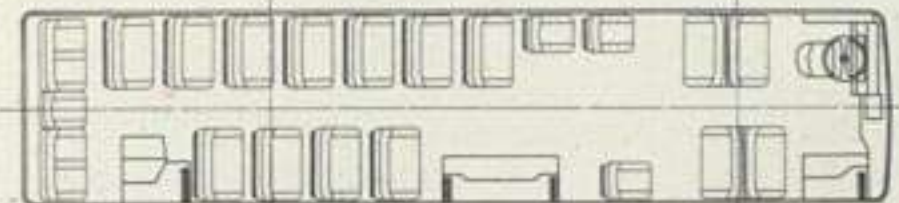
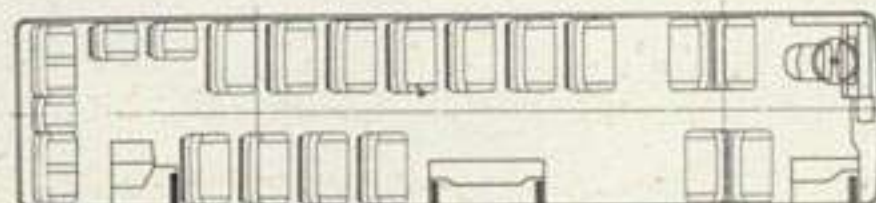
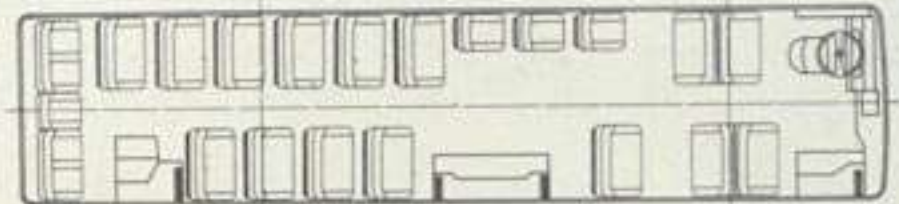
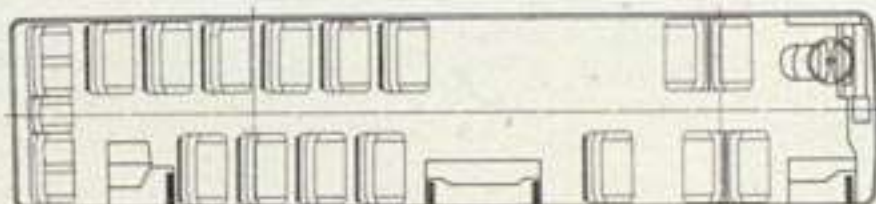
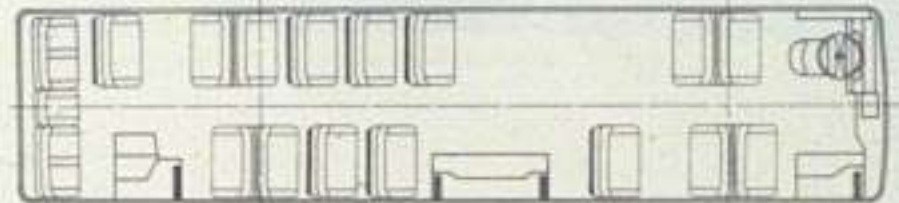
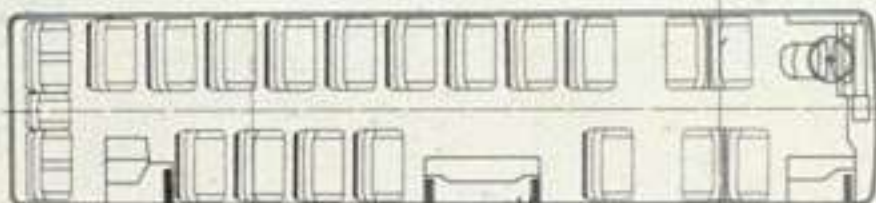
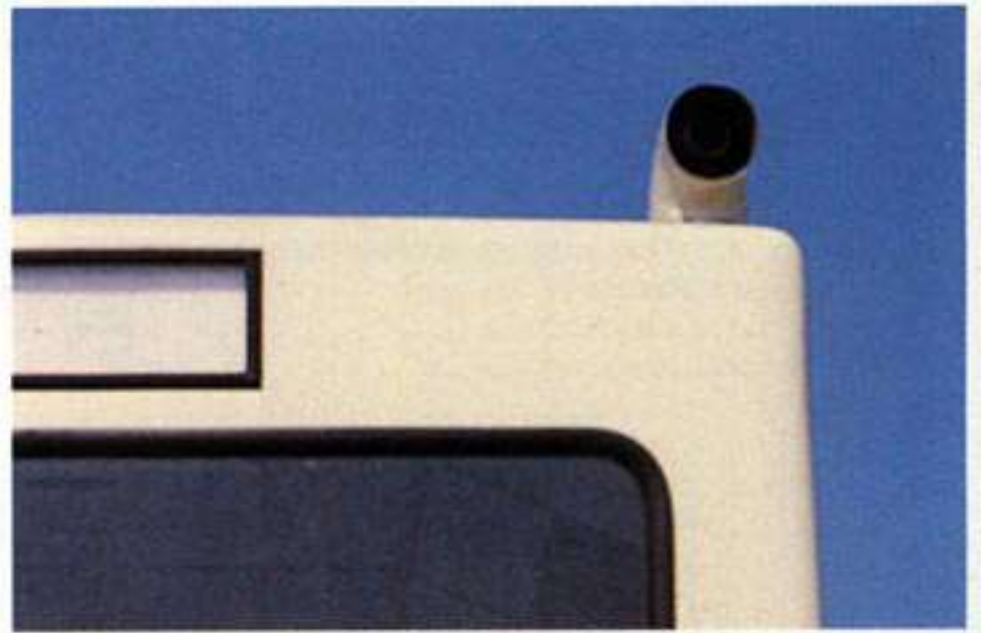
- Passengers' seat and backrests are made of latex. Vinyl upholstered seats are fixed on the floor and side walls by steel carcass pipes.
- Holding bars on top of aisle seats, backrest of seats and the steel pipe along the full length of the bus with swinging holders are designed for the safety and comfort of standing passengers.
- Efficient heating and ventilation are provided in the O 302 T for all seasons.
- Air circulation is realised through the openings at the top and through sliding side windows. Additional heater (Webasto) is used in winter months.

Upper Exhaust Exit

If desired, O 302 T busses are available with upper exhaust exit in order to diminish air pollution.

Seating Arrangements

Mercedes-Benz Türk A.Ş. considers several seating arrangements for the O 302 T in accordance with different transportation requirements of the municipalities.

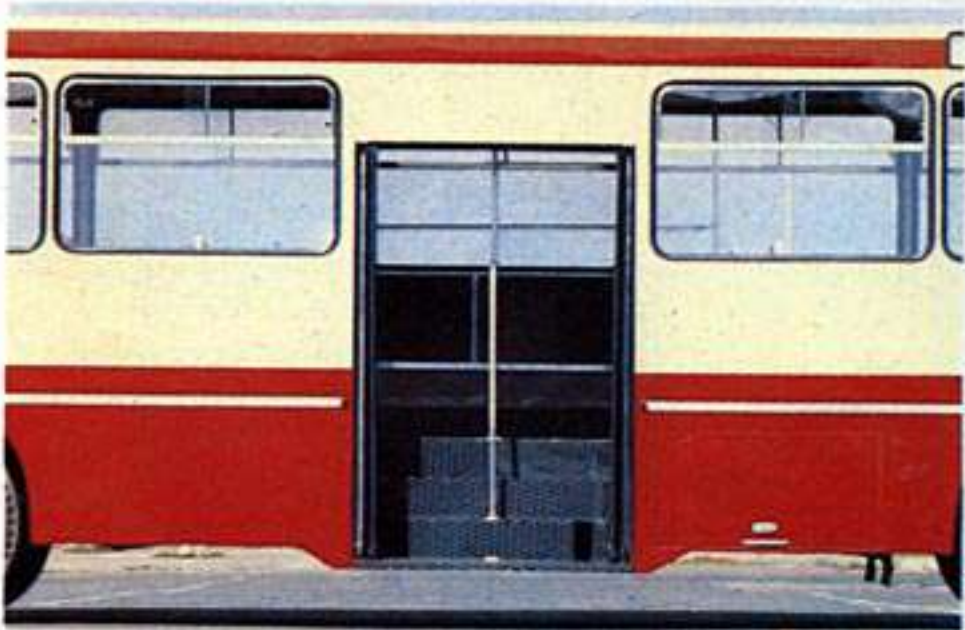
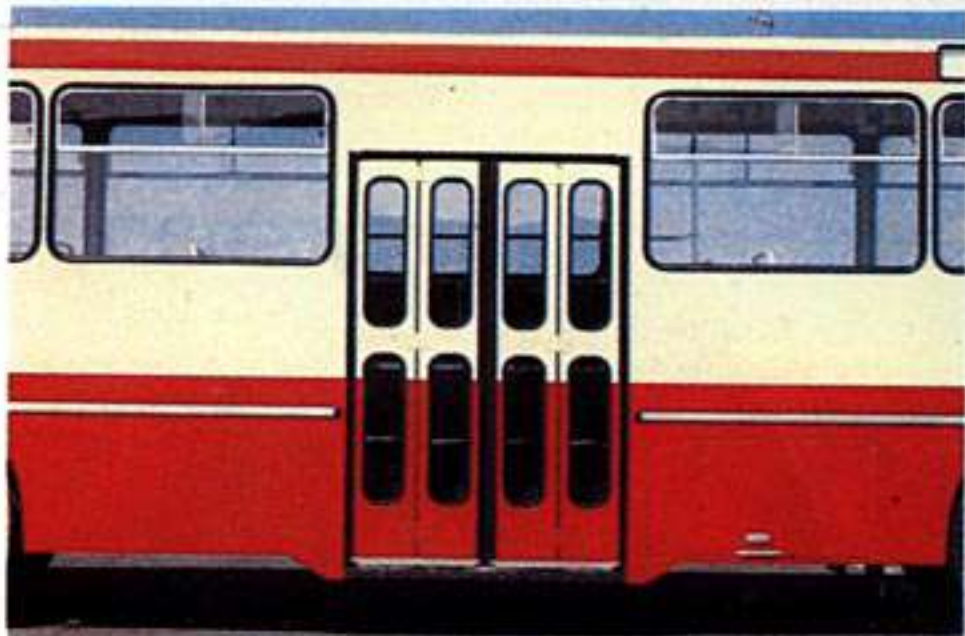
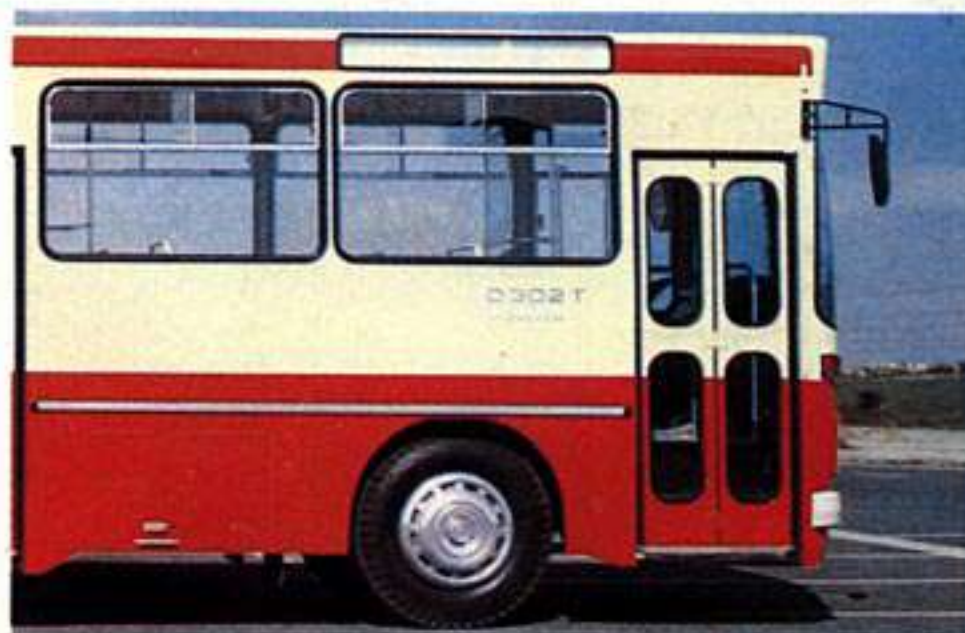


Wide Doors, Low Steps For Easy Entrance

- In O 302 T busses, taking into consideration to serve masses of passengers, wide doors and low steps have been designed in order to ease and expediate the entrance and exit of the passengers. Low steps also contribute to the safety of elder people and children.
- The middle door consists of two wings that are opened to both sides. All doors work electropneumatically and are under the driver's control.
- Rubber frames all round the edges make doors and windows air and water proof and seal the noise.

Operating Advantages

With plenty of easily available spare parts, a service/maintenance network throughout the country, Europe and the Middle East, Mercedes Benz Türk A.Ş. ensures complete after-sales services. Service, plenty and timely spare parts, 100.000 km guarantee, an efficient service stations, network are the factors that contribute to an advantageous operation for all municipalities and ensures low cost operations and high returns on the investment in the O 302 T.



O 302 T City Bus Technical Specifications

DIMENSIONS

Length	11060 mm
Width	2500 mm
Height	3195 mm
Wheelbase	5850 mm
Turning circle dia.	20656 mm
Max. loaded weight	16000 kg (HO 4/01 DL-10/41:7) 17000 kg (HO 4/01 DL-10/47:9)

Axles Load	
Front	6000 kg
Rear	10000 kg (HO 4/01 DL-10/41:7) 11000 kg (HO 4/01 DL-10/47:9)

Front overhang	2075 mm
Rear overhang	3135 mm

Inner height	
Front	2101 mm
Rear	1951 mm

Tyres	10.00 R 20 16-Layer
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ENGINE

Type	OM 421 V-6 Diesel
No. of Cylinders	6
Bore/Stroke	128/142 mm
Total displacement	10.964 cm ³
Compression ratio	16,9:1
Output (DIN)	216 PS-2300 rpm (DIN 70020)
Torque (DIN)	80 kpm-1200 rpm (DIN 70020)
Cooling	Water

TRANSMISSION

Type	ZF S6 - 90 or Mercedes-Benz
No. of Gears	6
Gear ratios	Rear 1 2 3 4 5 6 6.43 6.98 4.06 2.074 1.89 1.31 1

OPTIONAL TRANSMISSION

Type	ZF or Voith automatic transmission
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AXLES

Front	VO 3/10 D (L) - 6
Rear	HO 4/01 DL-10/41:7 HO 4/01 DL-10/47:9

Axle ratio	5.85 (HO 4/01 DL-10/41:7) 5.22 (HO 4/01 DL-10/47:9)
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SUSPENSION

Front and rear air suspension

STEERING

LS 5F Heavy duty
Mercedes-Benz servo steering

BRAKES

Service	Dual-circuit compressed air
Park	Compressed air spring loaded, tristop type affects the rear axle with automatic safety system.

Exhaust
Compressed air, can be operated independently or with the service brake.

CLUTCH

Single plate dry, hydraulically operated compressed air assisted GF 420

STARTER

BOSCH KB 24 V/5,4 kW

ALTERNATER

T1 28 V 65/120 A

ACCUMULATOR

12 V/180 Ah (2 with serial contact.)

TANK CAPACITY

230 lt

MAX. SPEED

75 km/h (HO 4/01 DL-10/41:7)
84 km/h (HO 4/01 DL-10/47:9)

