

**IKARUS** SPECIAL COACH FACTORY LTD.



# IKARUS E95

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INTERCITY BUS ON RÁBA COACH CHASSIS  
POWERED BY DETROIT DIESEL S-50 OR S-60 DDEC ENGINE



**RÁBA-DETROIT DIESEL**

HUNGARY KFT



**MOGÜRT**  
TRADING COMPANY LIMITED

## GENERAL DATA

Length	12,000 mm
Width	2,500 mm
Height with and w/o A/C	3,375/3,345 mm
Wheelbase	5,810 mm
Payload	6,240 kg
Gross Vehicle Weight, max.	16,500 kg
Capacity of passengers	50 seated + 28 standing
Luggage compartment	cca 4.7-5.8 cu.m.

## ENGINE

Detroit Diesel Series-50 and Series-60: 4-Cycle, Turbo charged and air to air charge cooled, DDEC III (Detroit Diesel Electronic Controls); featuring an overhead camshaft and high pressure injectors:

### SERIES-50:

Operating range: 1200 to 2100 RPM  
Model 8.5 L — Ratings:  
187 kW/2100 RPM 1058 Nm/1200 RPM  
235 kW/2100 RPM 1559 Nm/1200 RPM

### SERIES-60:

Operating range: 1200 to 2100 RPM  
Model 11.1 L — Rating:  
243 kW/2100 RPM 1695 Nm/1200 RPM  
1800 RPM Ratings are also available.

## TRANSMISSION

Csepel-ZF S6-120 U 6 speed synchromesh mechanical gearbox or ZF 8 S 180 8-speed synchromesh mechanical gearbox with integrated ZF hydraulic secondary retarder.

*Optional:* Z.F., Telma or Voith retarder.

## CHASSIS

Welded ladder type frame work at the front and rear, made of longitudinal and cross member "U" channels. Front and rear modules joined by lattice structure monocoque mid section for "space frame" models.

## FRONT AXLE

Rába 832-3100 I-beam rigid axle with torsion stabilizer bar. Axle load max. 6500 kg. Disc wheels.

## REAR AXLE

Rába 009-3300 single reduction drive axle with forged beam. Disc wheels. Axle load max. 11,000 kg. Overall ratio: 3.91  
*Optional:* Differential lock.

## WHEELS AND TYRES

Wheel rims: 8.25-22.5" Tyres: TAURUS 295/80 R22.5"

## SUSPENSION

Full air suspension with Roll-Balg air bellows system (2 + 4 pcs) and hydraulic shock absorbers. Automatic height control valves.  
*Optional:* Adjustable ground clearance.

## STEERING

Hydraulic power steering ZF SERVOCOM 8098. Turning radius 12 m.  
*Optional:* Adjustable steering column.

## BRAKES

Dual circuit direct acting full air brakes system. Parking brake with emergency braking provision. Independent circuits for front/rear axles and parking brake. Brake system fulfills EC regulations.

*Optional:* ABS/ASR system.

## FUEL TANK

Capacity 250 Liter. *Optional:* 2x250 Liter tanks.

## BODY

Rectangular steel tube sections with special anticorrosion treatment. Galvanized and stretched side panels, riveted at both ends. The execution of the body meets EGB 66 prescriptions. Single, clear safety glass. 2 pcs of one wing outer swinging doors made of light metal. Luggage compartment between the axles is water-proof, plywood lined and PVC covered. Aluminium doors are mounted onto the luggage compartment.

## INTERIOR

Aluminium side and roof panels with textile cover. Plastic mat floor cover. Textile upholstered double seats with fixed back.

## HEATING AND VENTILATION

Passengers compartment heating by radiators. Windscreen heating/defrosting. Ventilation by 2x2 roof mounted radial/axial fans. 3 pcs hand-operated roof hatches, used also as emergency exits.

## ELECTRICAL EQUIPMENT

System: 24 V DC. Alternator: 28 V 125 A  
Batteries: 2x12 V/182 Ah. Fluorescent saloon roof lighting: reading lamps combined with individual ventilation nozzles, call buttons and speakers with volume control. Digital time clock.

Translucent instruments placed in driver's view, centered to the steering wheel: RPM counter, coolant temperature gauge, fuel gauge, two air

air pressure gauges for front and rear brake circuits. EC tachograph, emergency indicator.

## OPTIONAL EQUIPMENT

Hand and grab rails. Partition wall behind the driver. Conductor console with PA system. Full air conditioning with driver's A/C. Complete Audio system. Automatic preheater. Complete on-board refrigerator. Tinted and heat insulated side and rear windows. Customized paintwork. Remote controlled roof hatches. Matrix type destination boards on front/side. For further information apply to the following offices:

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