

Mercedes-Benz O530 Citaro

From Wikipedia, the free encyclopedia
(Redirected from Mercedes-Benz Citaro)

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Besides the standard 12m twin-axle version, there are several other versions available: A 10.5m twin-axle version (Citaro K); An 18m articulated version (Citaro G), spanning 18 metres; A 15m tri-axle version (Citaro L); A 12m "low entry" version (Citaro LE); And a series of suburban/interurban versions (Citaro Ü series).

Aside from the usual diesel engines, the Citaro is also available with a powerful Euro 4 natural gas engine (model M 447 hLAG) rated at 185 kW (252 PS) or 240 kW (326 PS) - the latter rating used mainly for interurban and articulated buses or standard-length city buses operating in areas with a hilly topography. These engines are also optionally available with EEV (Enhanced Environmentally-friendly Vehicles) certification, meaning that their emission levels are lower than even the most stringent European Union emissions standards.

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 - 3.4 Hydrogen Fuel Cell Bus (O530BZ)
- 4 See also
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Hybrid and electric version

See: hybrid vehicle and electric vehicle.

Hydrogen version

Even though the usual Citaro offerings are powered by diesel or natural gas, there is also a hydrogen fuel cell-powered version. Several of these buses have been in service in a variety of different world cities in order to test the feasibility of hydrogen fuel cells in different operating circumstances and different conditions, especially weather conditions.

Specifications

By length

O530 - normal version

- Length: 11.95 m.
- Height: 3 m (base diesel)
- Mass: 10938 kg (base diesel)
- Seating capacity can vary between 28 and 40.
- Power: 6374 cc Euro 2/3 engines (OM 906 hLA): 231/245/279 hp (170/180/205 kW); 11967 cc Euro 2/3/4/5* engines (OM 457 hLA): 252/299/354 hp (185/220/260 kW); 11967 cc CNG engines (M 447 hLAG): 252/326 hp (185/240 kW); 6374 cc Euro 4/5 engines (OM 906 hLA): 286 hp (211 kW).

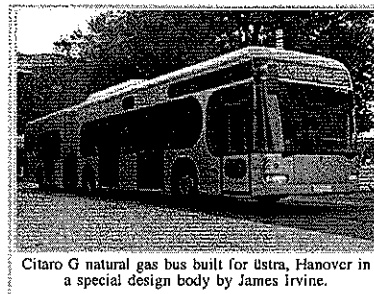
The new Citaro: Mercedes/EvoBus information sheets

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O530L - 15 metre bus

- Length: 14,995 m
- Height: 3 m
- Mass: unknown
- Seating capacity can vary between 42 and 46.
- Power: 11967 cc Euro 2/3/4/5 engines (OM 457 hLA): 299/354 hp (220/260 kW).

O530G - Articulated bus



Citaro G natural gas bus built for Üstra, Hanover in a special design body by James Irvine.



A Citaro bus in Bucharest, Romania on RATB Route 131

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The new Citaro G: Mercedes/EvoBus information sheets



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Hydrogen Fuel Cell Bus (O530BZ)

Copied from <http://www.dpi.wa.gov.au/fuelcells/technology.html>:

- Passenger capacity: 60 to 70 people (30 seats)
- Net power of the Ballard fuel cell unit: >250 kW
- Range: 200 to 300 km
- Length: 12 m
- Mass: approximately 15 tonnes
- Maximum mass of hydrogen: approximately 44 kg (1890 litres).
- Hydrogen purity: 99.999%



Citaro Hydrogen Fuel Cell Bus (O530BZ)

See also

- Biodiesel

External links

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Categories: Articles with sections needing expansion | Buses | London buses | Fuel cell vehicles | Mercedes-Benz vehicles | Hybrid buses | Battery electric buses

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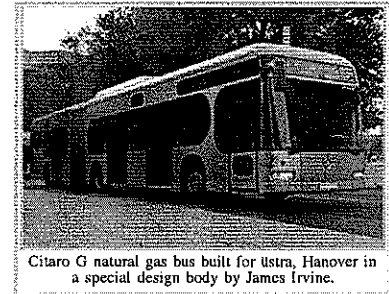
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See: hybrid vehicle and electric vehicle.

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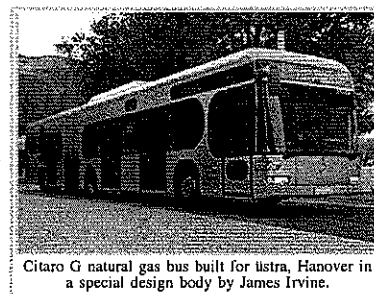
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