

**Mercedes-Benz**

**O 303 RHD**  
**long-distance high-deck**  
**touring coach**



## The flagship in the Mercedes-Benz bus range

A touring coach that ranks as the flagship of the successful Mercedes-Benz bus fleet has to be something out of the ordinary. It must possess all the major advantages of the O 303 range, production of which has now exceeded the 18,000 mark, and offer special features in line with its top position. It must be like the O 303 RHD long-distance high-deck touring coach.

Like all Mercedes-Benz buses this vehicle is characterised by mature engineering, balanced integration of all features and high-quality workmanship. Another outstanding aspect is the engines – a naturally aspirated 206 kW (280 DIN/hp) unit or a 243 kW (330 DIN/hp) turbo-charged engine. The floor is now 21 cm higher and so enlarges the luggage compartment volume to 12.4 cubic metres. The effective heating and ventilation system ensures the right interior climate at all times. The eye-catching front section has a single-pane windscreen and chipresistant decorative wrap-round moulding in "anthracite", matched and adapted to the bumper and the high-illumination headlights.

With all these features and the appropriate optional equipment the long-distance high-deck touring bus offers up to 4-star comfort.

The advanced engineering of the O 303 RHD must not make us forget the range of services also provided by Daimler-Benz. These are as much a part of a Mercedes-Benz bus as the Mercedes star. All the services offered increase the value and economy of the O 303 RHD, whether it be expert counselling prior to purchase, reliable after-sales service, leasing or eventual surrender of the vehicle to Europe's largest used bus centre.



## Focus on the new face



Comfort, economy, performance – these are the demands made on long-distance bus travel – but attractive styling is important as well. Visually the O 303 RHD has no need to fear the competition. With the deep single-pane front windscreen the new vehicle has an unmistakable appearance. The wipers at the bottom are an integral part of the overall styling. Note the way the centre entrance is integrated with the window line – again underlining the harmony of the styling. Due to the higher floor, the deep front windscreen and the large side windows excellent visibility is achieved. On the one hand this means increased safety, on the other enhanced travelling pleasure for the passengers. The colours, too, appeal to modern tastes – customers can choose from a range of different paintwork finishes – and so give a foretaste of what is to be found inside. The inside has indeed got a lot to offer:

An entirely new, clearly laid out and practical driver's area with a clearly grouped instrument panel for even greater safety and at the same time reduced working strain for the driver. The controls are grouped according to function. The rocker switches are particularly easy to operate and the illuminated symbols cannot be confused. The optional radio-cassette unit, which comes with 9 cassette containers, is integrated in the instrument panel close to the driver. The co-driver's area is so conveniently designed that first-class freedom of movement is guaranteed even when a refrigerator is installed. Two locking oddments compartments fit naturally into the balanced front interior design.

Synthesis of styling and function: the deep single-pane front windscreen with screen wipers at the bottom



Large arched side windows give the passengers an excellent view

## Wanted: comfort

The attractiveness of the O 303 RHD long-distance high-deck touring bus lies not only in its modern exterior – the generous comfort offered inside is sure to evoke just as much enthusiasm. The side walls and roof are extremely well insulated. For greater noise reduction still and an even more appealing appearance tasteful fabric covers are optionally available. The luggage rack design incorporates the loudspeaker consoles and interior lighting, the handrails are continuously and cleanly styled. A suspended ceiling is available as an optional extra, with remote-control turbo fans in the roof – roof hatches are then unnecessary – and can be supplied in particularly attractive patterns. This option gives particular emphasis to the clear, straight lines and uncluttered design of the interior.



Fabric covers are standard in the German version for all seating versions, though in some cases particular patterns and types of cover are charged extra. The seats for the export versions have artificial leather covers as standard. The tasteful interior appointments, with superbly upholstered, anatomically shaped seats, ensure the best in traveling pleasure. There is a choice of three different seating versions, differing from the comfort point of view but all incorporating the same high standard of manufacture. All seat versions are safely anchored and are easily adjustable on guiderails on the floor and the walls.

The excursion comfort seating (AK) has single seats with contoured back. The backrest is not adjustable. Integral ashtrays and folding armrests are standard on the seats adjoining the corridors. Another feature: handbag hooks on the grab handles. The excursion comfort seating with lateral adjustment (AKs) allows lateral adjustment of the seats adjoining the corridor.



AK excursion comfort seating.

AKs excursion comfort seating with lateral adjustment.

AL excursion deluxe seating.



The excursion deluxe seating (AL) caters for all requirements. The single seats with comfort springing have adjustable contoured backs, armrests and are laterally adjustable towards the central corridor. Standard accessories with these seats include integral ashtrays, grab handles and handbag hooks, protective headrest covers, luggage nets on the backrest and, optionally, folding tables.

# High-deck bus comfort is top-class comfort.

If you decide on the O 303 RHD then you can be sure of being able to cater for all your passengers may require in the way of comfort. With the extensive range of practical appointments packages even the most demanding wishes can be satisfied. Here we can only cite a few examples from the vast range of individual possibilities for the design of the passenger compartment. Our bus specialist will be pleased to provide you with more detailed information.



The roller blinds can be raised or lowered to any position to provide protection from sun and heat. The large arched side windows give an unrestricted view to all sides. (Double glazing is optionally available).



The excursion deluxe seating wards off fatigue even on long journeys and offers various convenient and practical extra features. The optional folding tables remain horizontal regardless of backrest position.



The luggage rack above the seats – harmoniously blended into the interior design – offers ample room for hand luggage. Interior and night lights and – if specified as an optional extra – loudspeakers are integrated into the shelf brackets.



The O 303 RHD can be fitted with a toilet (optional) next to the centre door. Everything – from the towel dispenser to the genuine crystal glass mirror – has been thought of.

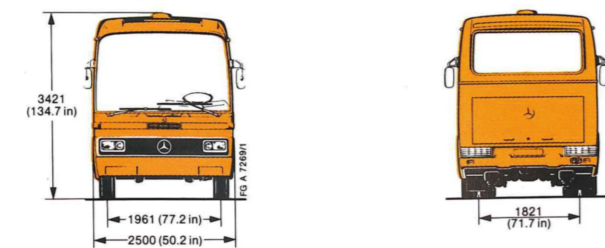


Another popular optional extra: reading lights which give the right level of light for every seat: further proof that travelling with Mercedes-Benz means individual comfort.



A demanding travelling public expects on-board catering as well – a good reason for fitting a galley either built-in, with water-heater and grill, or freestanding, with a refrigerator, behind the centre entrance.

**Model versions made to measure:**

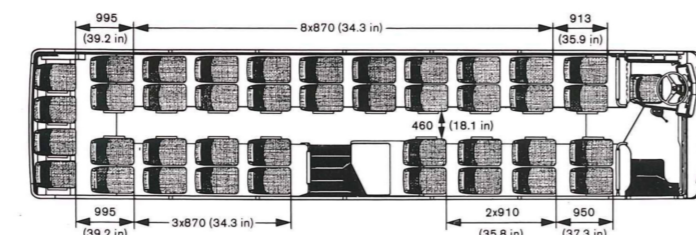
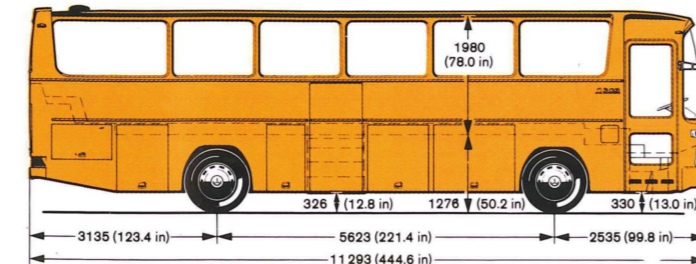


Here is a comprehensive introduction to the O 303 RHD with its numerous versions. So you can make the right choice for your particular purposes, we will be pleased to advise you, with no commitment on your part, on such matters as body length, number of seats, seating version and engine output.

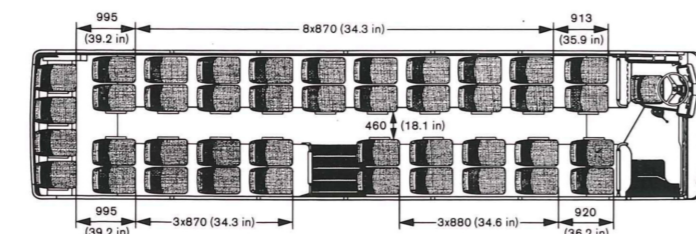
**Important Note.**

You will find here information on the number of seat rows, seating versions and engine output together with a table giving the most important technical data. Detailed information about technical aspects is provided in our brochure "The Engineering that goes into the O 303 Range". The OM 422 and the turbo-charged OM 422A engines are among the most modern in present-day advanced engineering. They are designed to give high economy and a long service life and are geared to optimal performance on the road in every situation. Something that is a part of modern bus design.

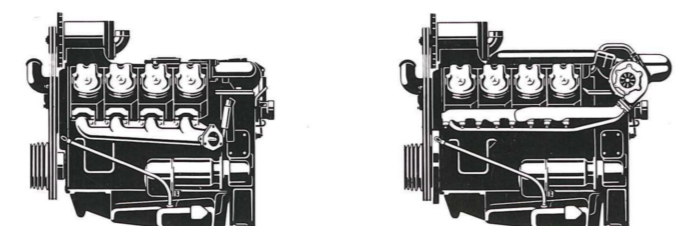
**O 303 14 RHD**



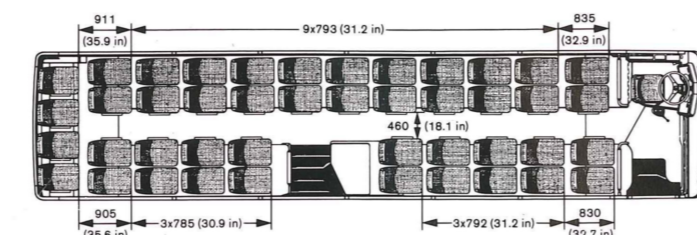
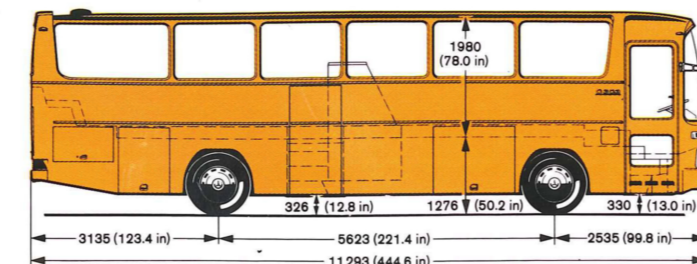
11 seat rows with AL seating (folding tables optional) and toilet, (4-star standard), 1/40 seats



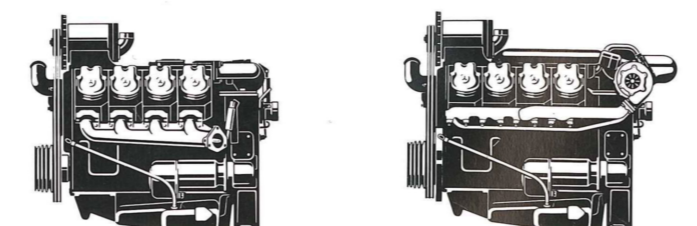
11 seat rows with AL seating (folding tables optional) (4-star standard), 1/42 seats



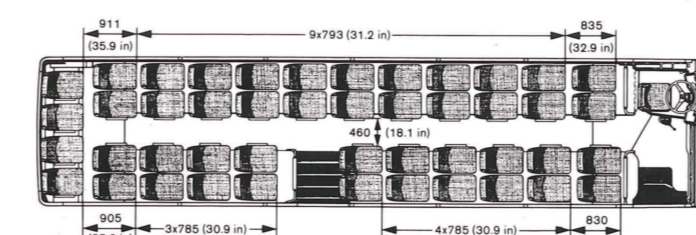
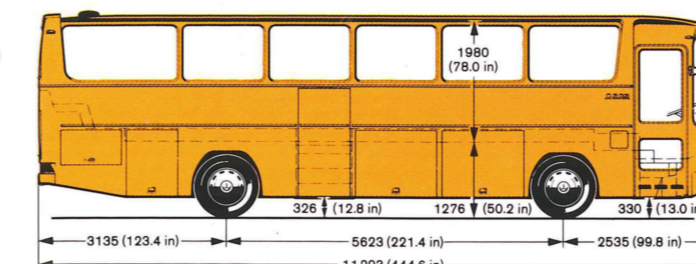
**O 303 14 RHD**



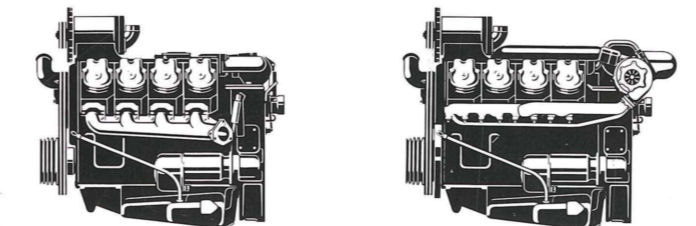
12 seat rows with AL seating and toilet, 1/44 seats



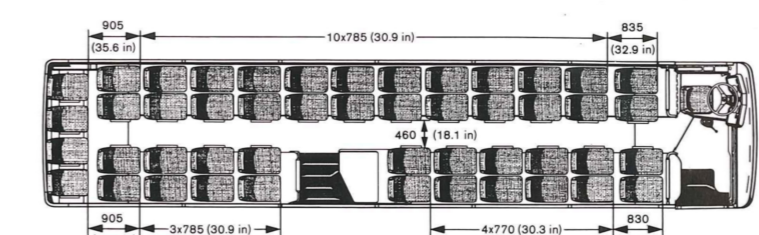
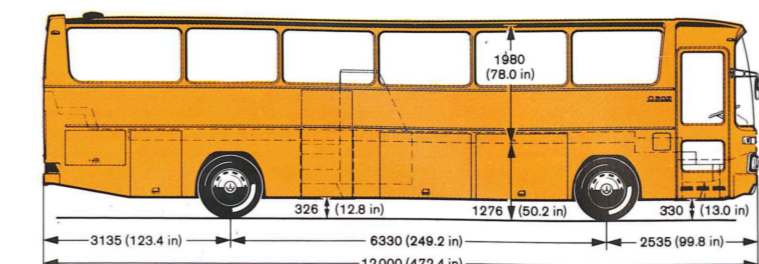
**O 303 14 RHD**



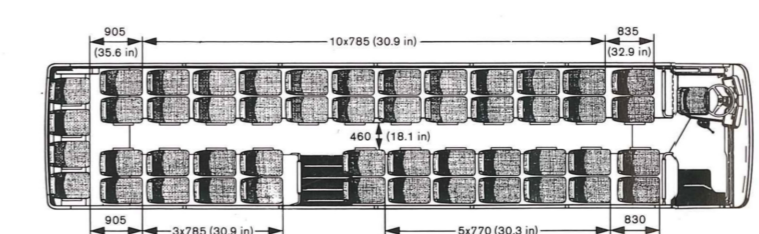
12 seat rows with AL seating 1/46 seats or 13 rows with AK, AKs or AL seating, 1/51 seats



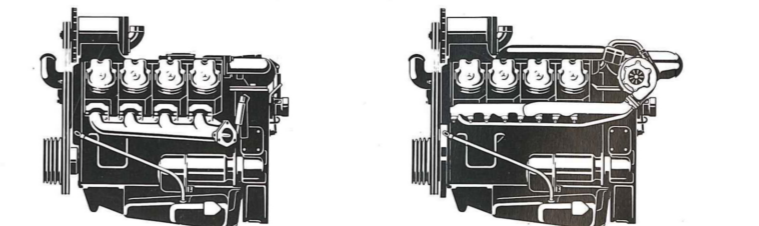
**O 303 15 RHD**



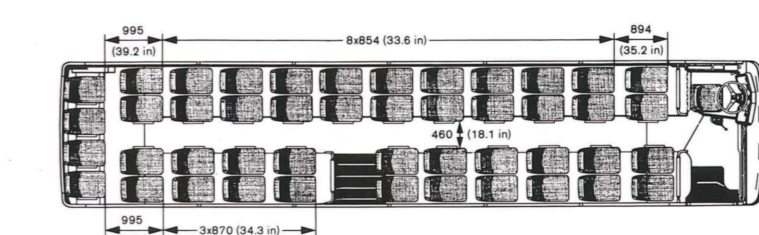
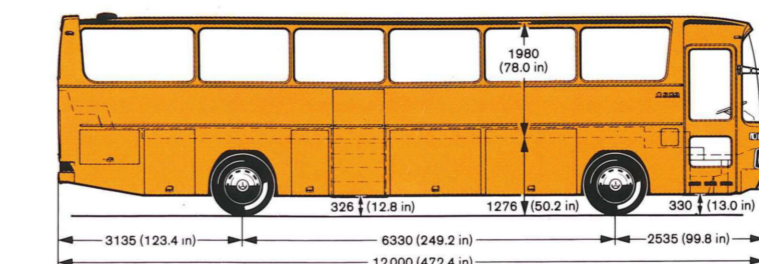
13 seat rows with AL seating and toilet, 1/45 seats



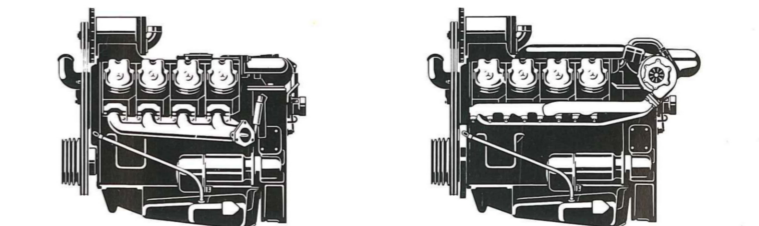
13 seat rows with AL seating, 1/50 seats or 14 seat rows with AK, AKs or AL seating, 1/55 seats



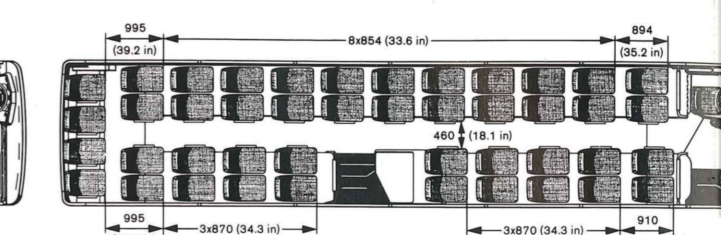
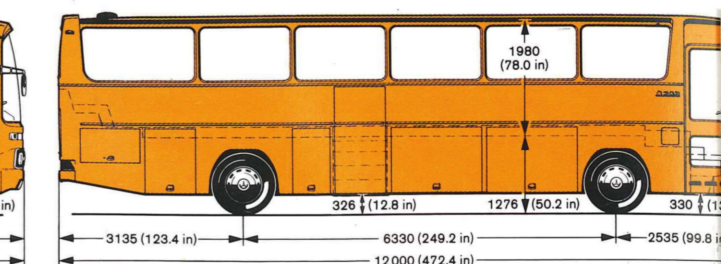
**O 303 15 RHD**



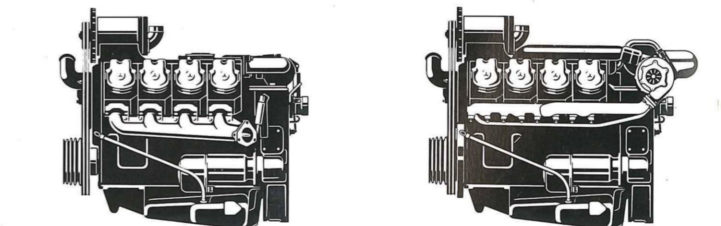
12 seat rows with AL seating 1/46 seats (4-star standard)



**O 303 15 RHD**

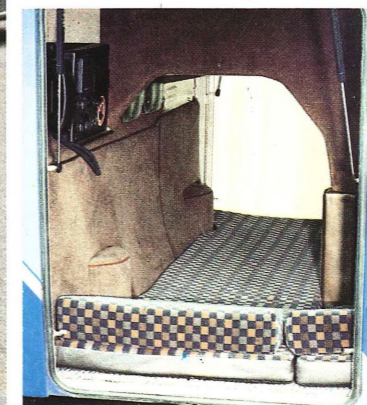


12 seat rows with AL seating (folding tables optional) with toilet, (4-star standard), 1/44 seats



Engine type	OM 422	OM 422 A	OM 422	OM 422 A	OM 422	OM 422 A	OM 422	OM 422 A	OM 422	OM 422 A	OM 422	OM 422 A
Output kW/HP at 2300/min	206/280	243/330	206/280	243/330	206/280	243/330	206/280	243/330	206/280	243/330	206/280	243/330
Torque Nm/Kpm at 1200/min	1040/106	1344/137	1040/106	1344/137	1040/106	1344/137	1040/106	1344/137	1040/106	1344/137	1040/106	1344/137
Turning circle diameter (m)	20.50	20.50	20.50	20.50	20.50	20.50	22.42	22.42	20.50	20.50	22.42	22.42
Perm. GVW (kg)	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Volume of luggage compartment (m <sup>3</sup> ) with/without toilet	9.9/10.8	9.9/10.8	9.9/10.8	9.9/10.8	9.9/10.8	9.9/10.8	11.5/12.4	11.5/12.4	9.9/10.8	9.9/10.8	11.5/12.4	11.5/12.4
Rear axle ratio (optional)	44:12/47:12	44:12/47:12	44:12/47:12	44:12/47:12	44:12/47:12	44:12/47:12	49:12 = 4.083	47:12 = 3.917	44:12/47:12	47:12 = 3.917	49:12 = 4.083	47:12 = 3.917
Service brake Dual circuit system	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air
Tyres (tubeless)	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5	11 R-22.5
Synchromesh transmission	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed	6-speed

## Packing in the luggage – the RHD takes it all



As distinct from its "colleagues" in the O 303 series, the RHD is a high-deck bus. Floor level is 21 cm higher. This gives up to 12.4 cubic metres of luggage space: with a flat floor and easily accessible from either side. The easy-opening flaps are assisted by gas-pressure springs. Now heaps of luggage can be stowed away easily and conveniently. On average there is twice as much luggage space available per person as in a medium-sized car with four occupants. The long-life dual-compound epoxy paint coating protects the entire luggage space from corrosion and wear and makes for easy cleaning. As an optional extra, electro-magnetic or pneumatic central-locking is also available for the luggage compartment. A driver's sleeping cabin, situated in the luggage compartment behind the central entrance, is optionally available. Access is from the passenger compartment or from outside. The cabin has noise-insulating wall-lining and ample appointments – for example a radio connection, ventilation vents, a telephone link with the driver and a reading light – all making it a comfortable "bedroom". Particularly important for a bus in this class are the wide doors with low steps so that even the more elderly passengers find it easy to get in and out. The single-wing outward-swinging doors blend smoothly with the body lines, particularly the centre entrance, the top part of which is integrated with the window line. They are mounted on rotating pillars, so saving space and ensuring, together with the anti-rattle lift/locking mechanism, reliable operation.

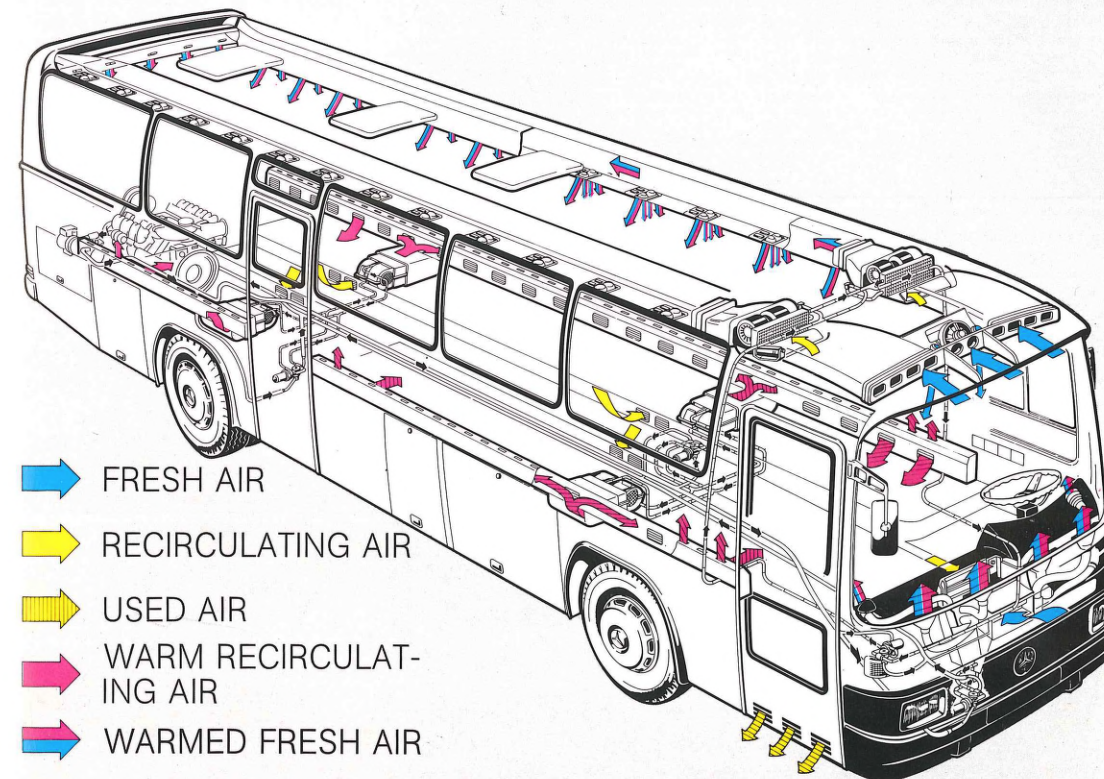
## An effective heating and ventilation system to provide the most agreeable temperatures, wherever you go.



One of the most important features of the O 303 RHD is its particularly effective heating and ventilation system. Floor level and roof heating ensure an even supply of fresh or warm air. Four floor heaters heat the passenger compartment via two ducts. Two powerful roof heaters ensure an intake of warmed fresh air through roof ducts. Nozzles over every seat in the roof ducts provide draught-free ventilation, thus ensuring even temperatures throughout the passenger

compartment. At extremely low outside temperatures recirculating air can be mixed in so as to ensure that the passenger compartment is always pleasantly warm. The fans in this new heating and ventilation system, which works on the ram principle, are pleasantly quiet. If the optional automatic unit is installed there is no need to give a further thought to keeping the passenger compartment temperature at a constant level: with the temperature dials, different

temperatures can be set separately for the driver's area and for the passenger area. After setting the ratio of fresh to recirculating air, too, everything else is performed automatically.



The front fresh air heater with control unit draws in dust-free fresh air underneath the windscreen and warms it by means of heat exchangers. There are four defroster nozzles for the windscreen and two additional defroster nozzles for the driver's window and the front door. Special heating and ventilation nozzles are provided for the driver and co-driver. The front heater too, can work with recirculating air.



The roof ventilation ducts ensure heating in winter and cooling for hot days. Roof turbo fans and vents are situated in the centre of the ceiling.

Ventilation nozzles ensure an individually adjustable supply of fresh air for every seat and draught-free ventilation of the passenger compartment as a whole.



Optional extra: a fabric-covered suspended ceiling, emphasising the clarity of the interior styling.



The front heater with dials for automatic heating control.

## Tried and tested engineering, powerful engines.

The mature engineering of the O 303 series provides the firm foundation on which the RHD is designed. All the advantages of large-scale standard production are drawn on. The extremely advanced engineering begins with the air suspension, which forms the basis for safety and comfort. The frame floor and body skeleton are a self-supporting unit, reinforced at the front axle and at the rear by roll-over bars.

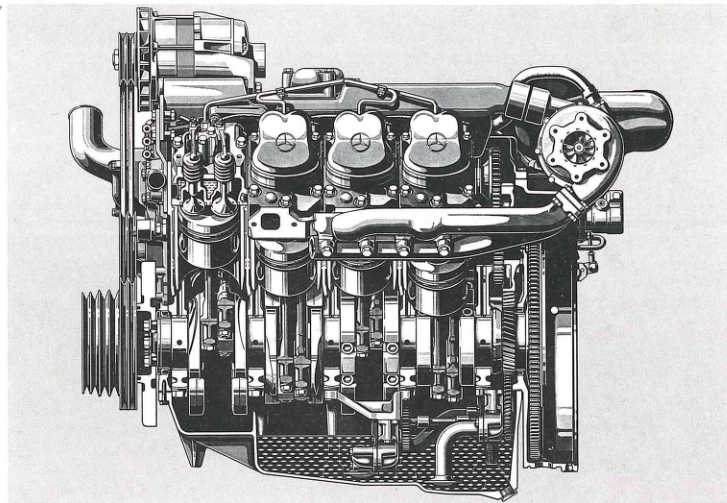
The OM 422 and OM 422 A engines are powerful and economical, at the same time as being low in pollution. They are easily accessible and fitted in a noise-insulated engine compartment. Whatever transmission is selected – standard synchromesh with six forward gears or the optional automatic transmission with or without retarder – all the major components are always well matched.

Intensive anti-corrosion treatment is one of the outstanding features of every Mercedes-Benz bus. No other bus manufacturer goes to such lengths to ensure that its products retain their value. Long service life and a high resale value are advantages readily appreciated by the customer.

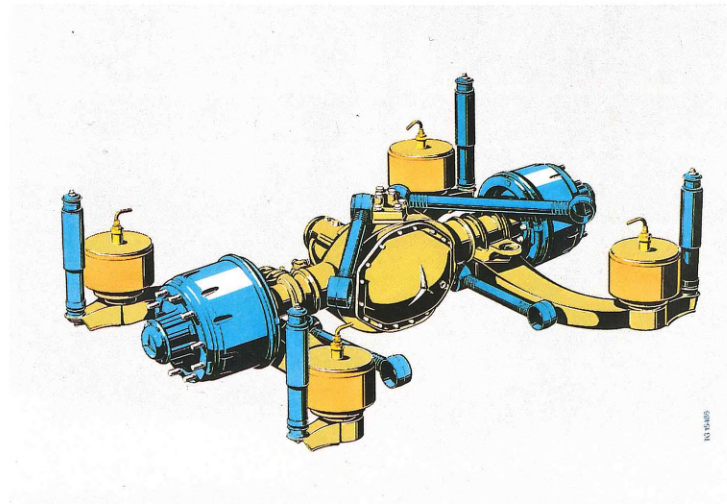
You will find the technical advantages set out in detail in the brochure "The Engineering that goes into the O 303 series".



The driver's area with clearly laid out instrument panel and ergonomically situated controls.



The OM 422A with turbocharger and direct injection.



The advanced chassis design ensures safety and comfort.

## As important as the engineering: services for everything to do with your bus.

The vehicle itself – however good it may be – is not the only important factor in ensuring optimal overall economy. Mercedes-Benz offers assistance to bus operators in the form of a range of services which make an essential contribution to better operating results. Before, during, after purchase and whenever you need help and advice. Our bus specialists will advise you not only on selecting the right vehicle. In almost every case they will determine the most appropriate and most favourable financing solution – including leasing.

The Mercedes-Benz service network comprises over 5,000 well-equipped service points – 1,200 in the Federal Republic of Germany and West Berlin alone. All the big cities have special bus workshops.

The expert knowledge and experience of the Daimler-Benz personnel, good work organisation, large spare parts stores and the emergency service – up to 10.00 p.m. – ensure that customers' requests are dealt with promptly and efficiently. And if ever spare parts are not immediately available, the spare parts express service will bring them without delay.

And finally, we can help when you purchase a new bus and surrender the old one: with the Daimler-Benz AG used bus centre, the no. 1 organisation of its kind in Europe. It will accept virtually any used bus – other makes included – at a fair market price and sell them in excellent condition. The Daimler-Benz Transport Consultancy Service offers individual advice, including a reliable costing system, a monthly cost and performance control system, and a system for determining the optimum time for replacing the bus with a new one.



Expert advice is one of the most important duties of our bus specialists



One of more than 5,000 service stations  
The Mercedes-Benz bus leasing system – so you don't have to tie down your capital



OGC in Frankfurt – Europe's largest used bus centre

With the Mercedes-Benz Transport Consultancy service customers can be sure of achieving economical operation in all respects



Qualified service staff provide excellent maintenance and quick repairs

The Mercedes-Benz range of printed material on buses consists of several brochures and leaflets.

Should you need further information before making up your mind, please contact your Mercedes-Benz bus adviser.

You have in front of you the following brochure:

	SURVEY OF THE O 303 RANGE
	ARGUMENTS IN FAVOUR OF THE O 303
	THE ENGINEERING THAT GOES INTO THE O 303 RANGE
	LONG-LASTING CORROSION PROTECTION IN THE O 303 RANGE
	OPTIONAL EQUIPMENT FOR O 303 BUSES
	ANTI-LOCK BRAKING SYSTEM FOR MERCEDES-BENZ BUSES
	MODEL BROCHURE

The contents are not binding and the right is reserved to make modifications without notice. The information in this brochure is to be regarded as approximate. The illustrations may show optional equipment not included in the standard specifications.

