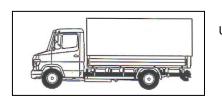
Utility Vehicles and Trucks (4x4) Vario

A new class for military tasks



Mercedes-Benz Vario 815 DA (4x4) light truck





Utility Vehicles and Trucks Model Vario (4x4)

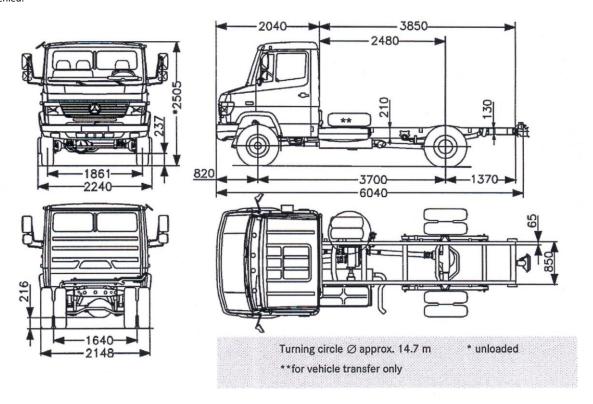
1996

Utility Vehicles and Trucks Model Vario (4x4)

Vehicle Type	Payload	Wheelbase	Type	Engine Output	Mx. Torque
		(mm)		EURO IV	
813 DA (4x4)	2.5 – 4.2 to	3,700 / 4,250	R4	95 kW / 129 hp	500 Nm
814 DA (4x4)	2.5 to	3,700	R4	100 kW / 136 hp	520 Nm
815 DA (4x4)	2.5 – 4.2 to	3,700 / 4,250	R4	90 kW / 152 hp	580 Nm
816 DA (4x4)	2.5 – 4.2 to	3,700 / 4,250	R4	115 kW / 156 hp	1,600 Nm
818 DA (4x4)	2.5 – 4.2 to	3,700 / 4,250	R4	130 kW / 177 hp	1,600 Nm

Background

The commercial and militarised Mercedes-Benz truck L 508 D (Düsseldorfer Transporter), in service with the German Army since 1975, with a payload rating of two tonnes was simply known as the LKW 2 t tmil at its time. The light truck had no cross-country capability and represented a reliable vehicle for second-line duties like workshop, ambulance and even under the designation O 309 D as crewbus for up to 14 passengers. Never really replaced in service with the German Army Mercedes-Benz developed as a successor the Model Vario with enhanced capabilities such as four-wheel drive, thus adding tactical capabilities to a second-line vehicle. Thus, the Vario per se establishes a new category within the Mercedes-Benz range of military vehicles. By acknowledging the obvious similarities the origin of the Vario can not be denied.



Mercedes-Benz Vario 814 DA dimensions

In general the Mercedes-Benz series of tactical vans including the **Vito**, **Sprinter** and **Vario** with GVW of between 2.6 and 7.5 tonnes have been designed for second-line short-range transport duties, crew transport or for Military Police (MP) applications. In addition the new vans offer much more in performance and comfort. The Vario was shown for the first time at the International Commercial Vehicle Motor Show in Hanover between September 21 and 29 in 1996.

Today, the Mercedes-Benz Vario is attracting growing interest in the non-civilian user segment. Equipped with four-wheel drive the Vario excels on marginal terrain. In comparison to its GVW the available payload has left former limits far behind to unsurpassed levels.



The Mercedes-Benz Vario is a payload giant in comparison to its GVW.

This military payload capacity of 2.5 tonnes opens up a wide range of operational options for the light truck, while the newly developed engine producing a max. torque of 580 Nm at 1,500 rpm ensures that the Vario has the power to get the job done.

The Vario was shown for the first time at the International Commercial Vehicle Motor Show in Hanover between September 21 and 29 in 1996.

When the Vario has to stop because of terrain features only the Unimog or its four-legged sisters and brothers may proceed.

Technical Description

The layout of the Mercedes-Benz utility vehicle or light truck Vario is conventional and represents basically a commercial utility vehicle adapted for military applications. Offered with regular or crew cab the Vario can be delivered with three different wheelbases (3,150 / 3,700 / 4,250 mm), though the first one is not part of the regular production effort. All models use a parallel monoframe chassis. The fully enclosed steel cab is of commercial-pattern semi-forward control type with seats for the driver and up to two passengers. A four-door crew cab is optional. The rear platform can be configurated to carry troops, shelters, or box-bodies of various types. Container carriers or tipping rear bodies are also available.

The Mercedes-Benz Vario is powered by a Mercedes-Benz OM 904 LA four-cylinder in-line turbocharged diesel engine with intercooling developing between 95 kW (129 hp) to up to 130 kW (177 hp) with 500 to up to 675 Nm torque at 1,600 – 2,300 rpm. Four different transmissions are offered:

- ➤ Mercedes-Benz S5-42 five-speed all synchromesh manual
- ➤ Mercedes-Benz G60-6/9.201 six-speed manual
- ➤ Mercedes Benz AT 542 five-speed fully automatic
- Mercedes-Bent G56 six-speed fully automatic.

All these transmissions are delivered with a VG 550-3W/1.67 transfer box. The 6-speed synchromesh transmission combines an enhanced power transfer capability for operations in marginal terrain with an economic fuel consumption on roads. All-wheel drive can be activated by a switch, though the vehicle has to stop. For difficult and especially slippery surfaces the longitudinal differential can be locked, thus establishing a rigid connection between front and rear axles. The longitudinal differential lock is controlled through pressurised air valves on the rear axle. A differential lock on the rear axle is standard.

The latest generation of Mercedes-Benz Vario vehicles have internally ventilated disc brakes front and rear combined with ABS.

In comparison to its GVW the Mercedes-Benz Vario payload capability is unsurpassed.

Utility Vehicles and Trucks Model 815 Vario (4x4)		
Model	Ausführung	Utility Vehicle and Truck
Туре	Тур	815 Vario
Manufacturer	Hersteller	Mercedes-Benz / DaimlerChrysler AG,
		Department IGB/S HPC 161

		D-76742 Woerth, Germany
Introduction into service	Einführung	2000
Cab seating	Sitzplätze Fahrerhaus	1+2
Seats (rear)	Sitzplätze (hinten)	n/a

Weight mychasis Gewint 3.340 kg Weight iosded, road (GVW) zulässiges Gesamtgewicht 7,290 kg Weight on Franz aufe (loaded) 2,500 kg Payload Nutzlast 2,500 kg Payload Nutzlast 2,500 kg Max. (oad) (road) subergewöhnliche Belastung (Straße) 1,500 kg Max. (oad) (ross country) ubergewöhnliche Belastung (Gelände) 7,0 Towed load (ross-country) zulässige Anhängelast (Straße) 7,0 Load area Ladefläche 7,0 Load area Ladefläche 7,0 Width Breite 224 cm Height (chassis, front) Höhe (Chassis kinsten) 7,3 Height (chassis, road) Höhe (Chassis kinsten) 7,4 Body (wheelbase 3,700 mm) Koffer (Radstand 4,200 mm) 7,4 Height (chassis, road) Höhe (Chassis kinsten) 7,4 Height (chassis, road) Bodenfreiheit 23,7 cm Track (front) Spurweite (worne) 1,85 cm Height (chassis, road) Bodenfreiheit 23,7 cm <td< th=""><th>Configuration</th><th>Antriebsformel</th><th>4 x 4</th></td<>	Configuration	Antriebsformel	4 x 4
Weight no froat and (GWW) zullssiges Gesamtgewicht 7,490 kg Weight on froat axie (loaded) 2,500 kg Payload Nutalast 2,500 kg Max. (oad) (cod) subregewöhnliche Belastung (Sraße) 4,150 kg Max. (oad) (cross-country) ubergewöhnliche Belastung (Gelände) n/a Towed load (ross-country) zullssige Anhängelast (Straße) n/a Towed load (ross-country) zullssige Anhängelast (Gelände) n/a Load area Ladefläche n/a Load area Ladefläche n/a Width Breite 224 cm Height (Chassis, front) Höhe (Chassis kinnen) n/a Height (Chassis, roar) Höhe (Chassis kinnen) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 2,700 mm) n/a Height (load area) Ladehöhe über Boden n/a Frack (Ferar) Spurweite (worne) 1,861. cm Height (load area) Ladehöhe über Boden n/a Frack (Ferar) Spurweite (winten) 1,60 Height (load area) Ladehöhe über Boden n/a	Weight	Gewicht	
Weight no froat and (GWW) zullssiges Gesamtgewicht 7,490 kg Weight on froat axie (loaded) 2,500 kg Payload Nutalast 2,500 kg Max. (oad) (cod) subregewöhnliche Belastung (Sraße) 4,150 kg Max. (oad) (cross-country) ubergewöhnliche Belastung (Gelände) n/a Towed load (ross-country) zullssige Anhängelast (Straße) n/a Towed load (ross-country) zullssige Anhängelast (Gelände) n/a Load area Ladefläche n/a Load area Ladefläche n/a Width Breite 224 cm Height (Chassis, front) Höhe (Chassis kinnen) n/a Height (Chassis, roar) Höhe (Chassis kinnen) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 2,700 mm) n/a Height (load area) Ladehöhe über Boden n/a Frack (Ferar) Spurweite (worne) 1,861. cm Height (load area) Ladehöhe über Boden n/a Frack (Ferar) Spurweite (winten) 1,60 Height (load area) Ladehöhe über Boden n/a	Weight empty chassis	Militärisches Leergewicht	3,340 kg
Section Sect		zulässiges Gesamtgewicht	7,490 kg
Section Sect	Weight on front axle (loaded)		2,500 kg
Max. load (road) außergewöhnliche Belastung (Sträße) 4,150 kg Max. load (cross-country) außergewöhnliche Belastung (Gelände) n/a Towed load (road) zulässige Anhängelast (Sträße) n/a Load area Ladefläche n/a Length Länge 628 cm Width Breite 224 cm Height (Chassis, front) Höhe Fahrerhaus 250.5 cm Height (Chassis, front) Höhe (Chassis shinten) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 3,700 mm) n/a Body (wheelbase 4,250 mm) Koffer (Radstand 4,250 mm) n/a Body (wheelbase 4,250 mm) Bodenfreiheit 23.7 cm Track (front) Spurweite (Intent) 156 cm Wheelbase 1, 20 cm Spurweite (Intent) 156 cm Wheelbase 2, 20 cm Boschungswinkel vorne 39.7 Track (front) Spurweite (Intent) 154 cm Wheelbase 3, 20 cm Boschungswinkel vorne 39.7 Angle of departure Böschungswinkel vorne 39.7 Angle of departure Böschungswinkel vorne <td></td> <td></td> <td></td>			
Max. load (road) außergewöhnliche Belastung (Sträße) außergewöhnliche Belastung (Gebinde) außergewöhnliche Belastung (Gebinde) n/a	Payload	Nutzlast	2,500 kg – 3,500 kg
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Towed load (cross-country) zuläsige Anhängelast (Gelände) n/a Load area Ladefläche n/a Length Länge 628 cm Width Breite 224 cm Height (chassis, front) Höhe (Chassis vorne) n/a Height (chassis, front) Höhe (Chassis hinten) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 3,700 mm) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 3,700 mm) n/a Height (chassis, rear) Koffer (Radstand 3,700 mm) n/a Ground clearance Bodenfreihelt 23,7 cm Frack (rear) Spurweite (worne) 186,1 cm Track (rear) Spurweite (winten) 164 cm Wheelbase Radstand 3,700 Angle of approach Böschungswinkel vorne 39° Angle of approach Böschungswinkel hinten 22° Chassis frame Rahmen n/a Max speed (road) Michstegschwindigkeit n/a Karjatoff-Verbrauch n/a Fuel capacity Kraftstoff-Verbrauch	Max. load (cross-country)		n/a
Ladefläche	Towed load (road)	zulässige Anhängelast (Straße)	n/a
Length Länge 628 cm Width Breite 224 cm Height (cab) Höhe Fahrerhaus 250.5 cm Height (chassis, front) Höhe (Chassis vorne) n/a Height (chassis, front) Höhe (Chassis hinten) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 3.700 mm) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 4.250 mm) n/a Height (load area) Ladehöhe über Boden n/a Ground clearance Bodenfreiheit 23.7 cm Track (front) Spurweite (worne) 186.1 cm Track (rear) Spurweite (worne) 186.1 cm Wheelbase Radstand 3,700 Angle of approach Boschungswinkel worne 39° Angle of departure Boschungswinkel hinten 22° Chassis frame Rahmen n/a Min speed (road) Mindestgeschwindigkeit n/a Range (road) Mindestgeschwindigkeit n/a Range (road) Kraftstoff-Vortrat 70 ltr. (100 ltr.) Fuel capacity Kra	Towed load (cross-country)	zulässige Anhängelast (Gelände)	n/a
Width Breite 224 cm Height (chassis, front) Höhe (Fassis vorne) n/a Height (chassis, front) Höhe (Chassis hinten) n/a Body (wheelbase 3,700 mm) Koffer (Radstand 3.700 mm) n/a Body (wheelbase 4,250 mm) Koffer (Radstand 4.250 mm) n/a Height (load area) Ladehöhe über Boden n/a Ground clearance Bodenfreiheit 23.7 cm Track (front) Spurweite (vorne) 186.1 cm Track (rear) Spurweite (linten) 164 cm Wheelbase Radstand 3,700 Angle of approach Böschungswinkel vorne 39° Angle of departure Böschungswinkel worne 39° Angle of departure Böschungswinkel worne 1/a Max speed (road) Höntstageschwindigkelt 113 km/h Min speed (road) Mindestgeschwindigkelt 113 km/h Fuel capacity Kraftstoff-Vorrat 70 ltr. (100 ltr.) Fuel capacity Kraftstoff-Verbruch 7/a Fording (standard) Watfähigkeit (ohne Watsat) 1/a	Load area	Ladefläche	n/a
Height (cab)	Length	Länge	628 cm
Height (chassis, front)	Width	Breite	224 cm
Height (chassis, rear) Body (wheelbase 3,700 mm) Body (wheelbase 3,700 mm) Koffer (Radstand 3,700 mm) Koffer (Radstand 4,250 mm) Koffer (Radstand 4,250 mm) Rody (wheelbase 4,250 mm) Koffer (Radstand 4,250 mm) Koffer (Radstand 4,250 mm) Rody (wheelbase 4,250 mm) Koffer (Radstand 4,250 mm) Koffer (Radstand 4,250 mm) Koffer (Radstand 4,250 mm) Koffer (Radstand 4,250 mm) Reight (load area) Ladehöhe über Boden In/a Ground clearance Bodenfreiheit J 3,7 cm Track (front) Spurweite (vorne) J 186.1 cm J 186.1 cm J 186.1 cm Radstand J,700 Radser (Radstand J,700 Radser (Radstand Radstand Radst	Height (cab)	Höhe Fahrerhaus	250.5 cm
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Body (wheelbase 4,250 mm) Koffer (Radstand 4.250 mm) n/a Height (load area) Ladehöhe über Boden n/a Ground clearance Bodenfreiheit 23.7 cm Track (front) Spurweite (vorne) 186.1 cm Track (front) Spurweite (vorne) 164 cm Wheelbase Radstand 3,700 Angle of approach Böschungswinkel vorne 39° Angle of departure Böschungswinkel hinten 22° Chassis frame Rahmen n/a Max speed (road) Höchstgeschwindigkeit 1,3 Min speed (road) Mindestgeschwindigkeit n/a Range Fahrbereich (Straße) n/a Fuel capacity Kraftstoff-Vorat 70 ltr. (100 ltr.) Fuel capacity Kraftstoff-Vorat 70 ltr. (100 ltr.) Fuel consumption Kraftstoff-Verbrauch n/a Gradient Steigfähigkeit 73 % Side slope Querneigung, Kippgenze n/a Fording (standard) Watfähigkeit (mit Watsatz) n/a Fording (with kit)	Height (chassis, rear)	Höhe (Chassis hinten)	n/a
Height (load area) Ground clearance Bodenfreiheit January (rack (rear) Spurweite (worne) 186.1 cm Track (rear) Spurweite (hinten) 164 cm Wheelbase Radstand 3,700 Angle of approach Böschungswinkel worne Böschungswinkel hinten 22° Chassis frame Rahmen Rahmen Rahmen Rinkar (road) Mindestgeschwindigkeit In/a Range (road) Mindestgeschwindigkeit In/a Range Fahrbereich (Straße) Fuel capacity Kraftstoff-Vorrat Fuel consumption Kraftstoff-Verbrauch Fuel consumption Kraftstoff-Verbrauch Fording (standard) Watfähigkeit (ohne Watsatz) Rording (with kit) Watfähigkeit (mit Watsatz) Rording (with kit) Watfähigkeit (mit Watsatz) Designation Bezeichnung Bezeichnung Bore x Stroke Bohrung x Hub (mm) Displacement Hubraum (cm) Urberhowent Hubraum (cm) Derhmoment (km / kpm) Sön Nm at 1,200-1,500 pm Cooling Kühlung Power transfer Kraftsübersetzung Mercedes-Benz LS 4 power-assisted Turning circle Axle, rear Hinterachse Hitz 4/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hitz 4/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser	Body (wheelbase 3,700 mm)	Koffer (Radstand 3.700 mm)	n/a
Height (load area) Ground clearance Bodenfreiheit January (rack (rear) Spurweite (worne) 186.1 cm Track (rear) Spurweite (hinten) 164 cm Wheelbase Radstand 3,700 Angle of approach Böschungswinkel worne Böschungswinkel hinten 22° Chassis frame Rahmen Rahmen Rahmen Rinkar (road) Mindestgeschwindigkeit In/a Range (road) Mindestgeschwindigkeit In/a Range Fahrbereich (Straße) Fuel capacity Kraftstoff-Vorrat Fuel consumption Kraftstoff-Verbrauch Fuel consumption Kraftstoff-Verbrauch Fording (standard) Watfähigkeit (ohne Watsatz) Rording (with kit) Watfähigkeit (mit Watsatz) Rording (with kit) Watfähigkeit (mit Watsatz) Designation Bezeichnung Bezeichnung Bore x Stroke Bohrung x Hub (mm) Displacement Hubraum (cm) Urberhowent Hubraum (cm) Derhmoment (km / kpm) Sön Nm at 1,200-1,500 pm Cooling Kühlung Power transfer Kraftsübersetzung Mercedes-Benz LS 4 power-assisted Turning circle Axle, rear Hinterachse Hitz 4/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hitz 4/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser	Body (wheelbase 4,250 mm)	Koffer (Radstand 4.250 mm)	n/a
Track (front) Spurweite (vorne) 186.1 cm Track (grear) Spurweite (hinten) 164 cm Wheelbase Radstand 3,700 Angle of approach 865chungswinkel vorne 39° Angle of approach 865chungswinkel vorne 39° Angle of departure 865chungswinkel hinten 22° Chassis frame Rahmen n/a Max speed (road) Höchstgeschwindigkeit 113 km/h Min speed (road) Mindestgeschwindigkeit n/a Range Fahrbereich (Straße) n/a Range Fahrbereich (Straße) n/a Fuel capacity Kraftstoff-Vorrat 70 ltr. (100 ltr.) Fuel consumption Kraftstoff-Verbrauch n/a Gradient Steigfähigkeit 73 % Side slope Querneigung, Kippgrenze n/a Fording (standard) Watfähigkeit (ohne Watsatz) n/a Fording (with kit) Watfähigkeit (mit Watsatz) n/a Engine Motor 2.25 ltre, 4 cylinder in-line turbocharged and intercooled 4-stroke diesel engine Designation Bezeichnung 0M 904 LA Bore x Stroke Bohrung x Hub (mm) n/a Displacement Hubraum (ccm) 4,250 ccm Output Leistung KW (PS)/min ⁻¹ 112 (152) at 2,300 rpm Torque, max. Drehmoment (Nm / kpm) 580 Nm at 1,200-1,500 rpm Cooling Kühlung water-cooled Fransmission Getriebe ZF Ecolite S5-42 or G56 or G60-6/9,201 G-speed synchromesh with 5 forward and 1 reverse gears or AT 54.2 s-speed automatic transmission Clutch Kupplung Mf 362 single dry disk Transfer box Antriebsübersetzung Mercedes-Benz LS 4 power-assisted Turning circle Wendekreis 14.7 m Axle, front Vorderachse Hildercashe Hildercashe Hildercashe Hildercashe Hildercashe	Height (load area)	Ladehöhe über Boden	
Track (rear) Wheelbase Radstand Radstand 3,700 Angle of approach Böschungswinkel vorne Angle of departure Böschungswinkel hinten 22° Chassis frame Rahmen Max speed (road) Höchstgeschwindigkeit 113 km/h Min speed (road) Mindestgeschwindigkeit Raftstoff-Vorrat Fuel capacity Kraftstoff-Vorrat To Itr. (100 Itr.) Fuel consumption Gradient Steigfähigkeit Steigfähigkeit Tording (standard) Fording (standard) Fording (with kit) Watfähigkeit (ohne Watsatz) Bose x Stroke Bohrung x Hub (mm) Displacement Hubraum (ccm) Output Leistung KW (PS)/min¹ Torque, max. Drehmoment (Nm / kpm) Cetrieb Kraftstofr Rangle France Sugeriand Kihlung Metrecese-Benz LS 4 power-assisted Turning circle Meterse-Suger and Meterse-Sub Responses on A 12 18C 5-3.0 2,500 kg-rated rigid axle with stabiliser Axle, rear Hinterachse Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser	Ground clearance	Bodenfreiheit	23.7 cm
Track (rear) Wheelbase Radstand Radstand 3,700 Angle of approach Böschungswinkel vorne Angle of departure Böschungswinkel hinten 22° Chassis frame Rahmen Max speed (road) Höchstgeschwindigkeit 113 km/h Min speed (road) Mindestgeschwindigkeit Raftstoff-Vorrat Fuel capacity Kraftstoff-Vorrat To Itr. (100 Itr.) Fuel consumption Gradient Steigfähigkeit Steigfähigkeit Tording (standard) Fording (standard) Fording (with kit) Watfähigkeit (ohne Watsatz) Bose x Stroke Bohrung x Hub (mm) Displacement Hubraum (ccm) Output Leistung KW (PS)/min¹ Torque, max. Drehmoment (Nm / kpm) Cetrieb Kraftstofr Rangle France Sugeriand Kihlung Metrecese-Benz LS 4 power-assisted Turning circle Meterse-Suger and Meterse-Sub Responses on A 12 18C 5-3.0 2,500 kg-rated rigid axle with stabiliser Axle, rear Hinterachse Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser Hit 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser	Track (front)	Spurweite (vorne)	186.1 cm
Angle of approach Angle of approach Angle of departure Böschungswinkel hinten 22° Chassis frame Rahmen n/a Max speed (road) Höchstgeschwindigkeit 113 km/h Min speed (road) Mindestgeschwindigkeit n/a Range Fahrbereich (Straße) N/a Fuel capacity Kraftstoff-Vorrat To Itr. (100 ltr.) Fuel consumption Gradient Steigfähigkeit (ohne Watsatz) Fording (standard) Fording (with kit) Watfähigkeit (mit Watsatz) Designation Besre x Stroke Bohrung x Hub (mm) Displacement Hubraum (ccm) Ustupt Leistung kW (PS)/min¹ 112 (152) at 2,300 rpm Torque, max. Drehmoment (Nm / kpm) S80 Nm at 1,200-1,500 rpm Water Sepeded synchromesh with 5 forward and 1 reverse gears or AT 542 5-speed automatic transmission Clutch Kupplung Mercedes-Benz VG 550-3W/1.67 2-speed Steering Lenkung Mercedes-Benz LS 4 power-assisted Axle, front Vorderachse Mell (Hubraum) Vorderachse Axle, rear Hinterachse Hi			164 cm
Angle of approach Angle of approach Angle of departure Böschungswinkel hinten 22° Chassis frame Rahmen n/a Max speed (road) Höchstgeschwindigkeit 113 km/h Min speed (road) Mindestgeschwindigkeit n/a Range Fahrbereich (Straße) N/a Fuel capacity Kraftstoff-Vorrat To Itr. (100 ltr.) Fuel consumption Gradient Steigfähigkeit (ohne Watsatz) Fording (standard) Fording (with kit) Watfähigkeit (mit Watsatz) Designation Besre x Stroke Bohrung x Hub (mm) Displacement Hubraum (ccm) Ustupt Leistung kW (PS)/min¹ 112 (152) at 2,300 rpm Torque, max. Drehmoment (Nm / kpm) S80 Nm at 1,200-1,500 rpm Water Sepeded synchromesh with 5 forward and 1 reverse gears or AT 542 5-speed automatic transmission Clutch Kupplung Mercedes-Benz VG 550-3W/1.67 2-speed Steering Lenkung Mercedes-Benz LS 4 power-assisted Axle, front Vorderachse Mell (Hubraum) Vorderachse Axle, rear Hinterachse Hi	, ,	' '	3,700
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Axle, rear Hinterachse HL 2/41 CS-5.6 5,600 kg-rated rigid axle with stabiliser			
		Hinterachse	
	· ·	Radaufhängung (vorne)	

Suspension (rear)	Radaufhängung (hinten)	Parabolic springs 5.6 to
Tyres	Bereifung	9.5 R 17.5 or 215 / 75 R 17.5
Brake (main)	Betriebsbremse	Disks front, drum rear /
		Disc brakes internally ventilated front and rear
Brake (parking)	Feststellbremse / Handbremse	mechanical
Brake (engine)	Motorbremse	n/a
Electrical system	Fahrzeugelektrik	24 V
Alternator (reinforced)	Wandler	80 A
Starter motor	Starteinrichtung	n/a
Batteries	Batterien	2 x 12 V, 66 Ah
Trailer socket type	Anhängeranschluß	n/a
Trailer couplings (optional)	Anhängerkupplung	n/a

Sales and Service Entry

The Mercedes-Benz Vario is in service with the armed forces of Austria (for trials), Denmark, Germany, Norway as well as the Netherlands. Based on a Mercedes-Benz Vario 814 chassis the Royal Thai Police procured a Improvised Explosive Device Disposal (IEDD) vehicle in 2001. The German Armed Forces operate a fleet of crewbuses of Vario O 815 D type since 2003 which have been leased for the German Armed Forces by the BwFuhrparkService GmbH and are powered by an engine developing 110 kW. Displacement is 4,249 ccm. The bus has a capacity of 26 seats. 50 units have been procured from November 2003.



Mercedes-Benz Vario during troop trials in Austria.



Mercedes-Benz Vario with large rear platform and high tarpaulin arrangement for large-seize loads.



The Mercedes-Benz Vario utility vehicle in sand colour. The All Wheel Drive (AWD) can be recognised by the enhanced ground clearance. An air conditioning system is fitted to the roof of the vehicle. Such agile trucks are well suited for EOD teams for all governmental services if police or the military.



A Mercedes-Benz Vario of the Norwegian Army with extended cab and container platform at the rear. Note the twin rear wheel arrangement.