

Prototype



Vehicle available beginning of 2012

The Oberaigner 6x6 is a light offroad transporter which features extreme traction, high payload and excellent offroad capabilities. Despite its compact dimensions it carries a payload of up to 4 tons with a gross weight of 7 tons. Three driven axles, up to five differential locks and a reinforced frame warrant optimum traction on all surfaces as well as apart of the road. The patented asymmetric double-pendulum suspensions in the rear reduces frame torsion up to 50% as well as the turning circle and the typical 6x6 tendency to push along the longitudinal axis drastically. In addition, the premium characteristics and features of the base sprinter are retained as well as its economic operating costs. Primary development of the vehicle is expected to be completed by the end of 2011.



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Technical data*

Base vehicle	Mercedes-Benz Sprinter	515 CDI	516 CDI	518 CDI	519 CDI	524
Variants	Chasis / Pickup / Panel van with single (3 seats) or double cabin (7 seats)					
Engines	4 cylinder Diesel engine		6 cylinder Diesel engine		6 cylinder petrol engine	
Power output	110kW (150HP) / 330Nm (EURO3, EURO4) 120kW (163HP) / 360Nm (EURO5)		135kW (184HP) / 400Nm (EURO4) 140kW (190HP) / 440Nm (EURO5)		190kW (258HP) / 340Nm (EU4/I)	
Transmission	6-speed manual or 5-speed automatic transmission				5-speed automatic transmission	
Wheelbase	R2 = 3,290mm+1,100mm = 4.390mm			R3 = 3,950mm+1,100mm = 5,050mm		
Rear axle drive ratio	5.100					
Drive	permanent all-wheel drive FA:(RA1&RA2) = 33%:67% // RA1:RA2 = 60%:40%					
Differential locks (lengthwise and crosswise)	1. Lengthwise differential lock in transfer case (100% lockable jaw clutch) 2. Lengthwise differential lock between rear axles 1-2 (100% lockable jaw clutch) 3. Crosswise differential lock rear axle 1 (100% lockable jaw clutch) 4. Crosswise differential lock rear axle 2 (100% lockable jaw clutch) 5. Crosswise differential lock front axle (100% lockable jaw clutch) - optional					
Low range reduction	2.85 (optionally 1.423), selectable					
Brakes	Dual circuit hydraulic brake system with vacuum booster. Disk brakes on all wheels. Parking brake on all four rear wheels. Anti-locking-brake system.					
Fuel capacity	approximately 100 litres (26.4 gallons)					
Top speed	maximal 100 kph (electronically limited)					
Tyre equipment	Single dimension 285/75/R16 (Mud - Terrain or All - Terrain) or Single dimension 285/65/R16 (All-seasons tyres) or Dual dimension (snow-chain ready): Front axle 245/75/R16, rear axle 285/65/R16					
Turning circle Ø	R2 approximately 16.5m R3 approximately 19.5m					
Ground clearance (axles)	unloaded: front 322mm rear 257mm fully loaded: front rear 257mm					
Angle of driving slope (fully loaded)	R2: front 32°, rear 44° R3: front 32°, rear 37°					
Ground clearance (fully loaded)	R2 = 28° (382mm) R3 = 23° (382mm)					
Fording depth	600mm (without additional equipment)					
Overall gross weight	7,000kg					
Empty weight (FA/RA/total)	1,450kg / 1,790kg / 3,240kg (Pickup truck)					
Payload	3,900kg (excluding fitting)					
Permissible axled loads	FA: 2,000 kg RA1 + RA2: 5,400 kg					
Towing capacity	2,000 kg (brakable) / 750kg (non-brakable); manual transmission only					
Supported load	max. 140 kg					
Offroad optional equipment	Offroad tyres, Fender extension, Snorkel, Underride protection for front axle and transfer case (lightweight aluminium), Cable winch, Entry steps, Body AeroKit					
Special version 6x4	Driven rear axles including differential locks, front axle not driven. Power take-off at manual transmission possible.					

* Vehicle under development. Technical data subject to change.

Additional information

www.sprinter6x6.com & www.oberaigner.com.

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