

# Specification/price Mercedes-Benz Actros

for Vos Logistics

For approval: Vos Logistics

Actros 1842 LS 4X2

A BULK Truck

Our reference: 47612-01

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This image might differ from your individual vehicle configuration and is therefore non-committal. Subject to alteration!

Model:	Mercedes-Benz Actros	Engine power:	<b>310 kW</b> / 421 HP
Vehicle type:	1842 LS 4X2	Wheelbase:	3700 mm
Baumuster:	96340312-NIA3A	Gross vehicle weight:	18000 kg
Vehicle type:	Semitrailer tractor		
Driver cabin:	StreamSpace 2,5		





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# Equipmentlist

## Paint

Cab: MB 2500 volcano orange

## Chassis version

V1A Actros New  
V1W Standard  
C1W Wheelbase 3700 mm

## Axle load distribution

W9Z Weight variant 18.0 t (7.5/11.5)

## Engine

M5B 2. Engine generation OM471  
Z5E OM 471  
M3A Eng. OM471, inline 6, 12.8 l, 310kW (421hp), 2100 Nm  
M5L Engine version Euro VI version 2  
M8B Air intake behind cab, mounted  
M7K Radiator shutter  
M7T Water pump, governed  
M7I Insect screen in front of cooling system  
M5V High Performance Engine Brake  
M6M Air compressor, 2-stage, for optimised consumption  
M0E Torque increase in 12th gear

## Clutch & transmission

G5A Single-disc clutch  
G2B Transmission G 211-12/14.93-1.0  
N6Z Transmission oil cooling  
G5G Mercedes PowerShift 3  
G0T Predictive Powertrain Control  
G0Z Drive program fleet  
N1H PTO MB, 123-10b, flange, medium-speed  
Z5M PTO, single  
Z5U Power take-off, propshaft, under top edge of frame

## Axles & suspension

A1Z Front axle, offset version  
A1C Front axle 7.5 t  
A2E Rear axle, crown wheel 440, hypoid, 13.0 t  
>>> Differential lock, rear axle  
A5B Axle ratio  $i = 2.533$   
Q0A Front spring bracket, aluminium  
Q1S Front spring, 7.5 t, 2-leaf  
Q9Y Deletion, lowered frame, automatic  
C6Q Stabiliser, front axle  
J3Z Axle load measuring device

## Wheels & tyres

R2J Light-alloy wheels, 9.00x22.5, matt, Alcoa  
R0Z Wheel-nut cap  
1.A. F38L96 75 2x 315/70 R 22,5 Bridgestone ECOPIA H-STEER  
2.A. F38L98 75 4x 315/70 R 22,5 Bridgestone ECOPIA H-DRIVE



### Frame and components attached to frame

- C5B Step plate above frame, partial cover
- >>> Hole matrix on frame, continuous
- C0G Frame overhang 1050 mm
- C6C Steering, single-circuit
- C6I Power steering pump, controlled
- C7I Battery carrier cover, lockable
- C7T Integral rear end
- K0T Main tank, left
- K3V AdBlue tank, 60 l, left
- K1N Tank, 570 l, left, 650 x 700 x 1450 mm, aluminium
- Z4O Tank cross-section, narrow
- Z4R Tank cross-section, high
- K5M Tanks, lockable
- K7B Exhaust syst., outlet downwards, fans out to right
- C8B Rear wing, 2550 mm vehicle width
- C8H Wing, 3-piece, with EC splash guard
- C8I Splash guard (EC), front
- C8M Mudguard centre piece, low
- C7F Front underride guard (ECE), aluminium
- C8Y Aerodynamic underbody panelling
- F7A Bumper, with plastic corners
- F7C Bumper centre section with towing eyes
- >>> End cross member, neutral position
- Q4P Fifth wheel coupling height = 225 mm
- Q4X Fifth wheel coupling, manually lubricated
- Q6J Fifth wheel coupling, compact, Jost JSK 40K
- Q6Z Fifth-wheel coupling with hole pattern
- Q6G Semitrailer coupling without assembly plate
- H2C Fifth-wheel lead +600 mm
- Q0W Fifth-wheel coupling ex factory

### Brake system

- B2A Disc brakes on front and rear axle
- B1B Electronic braking system with ABS and ASR
- B1D Electronic air-processing unit, medium
- B4M Air reservoir, steel
- >>> Compressed air supply connection, front
- >>> Flashing brake lights during emergency braking
- B5J Brake and electrical connections, low
- >>> Parking brake, acoustic warning

### Cab exterior

- F1R L-cab
- F1I L-cab StreamSpace, 2.50 m, level floor
- F2A Floor variant, flat floor
- F2H Cab width 2.50 m
- F2P Cab, 765 mm attachment height
- >>> Cab, reinforced
- F2W StreamSpace
- F4H Cab rear wall, without window
- F3B Cab mountings, comfort, steel-sprung
- F3W Cab tilting mechanism, mechanical-hydraulic
- F6C Windscreen, tinted
- D8N Tilting sunroof, electric



- F4X Stowage compartment exterior flap, left
- F4Y Stowage compartment exterior flap, right
- C5D Step, behind cab, left
- F7X Cab entrance, left/right, rigid
- F7T Door extension
- F0X Mirror cover, on-road vehicle
- >>> Main mirror heatable and electrically adjustable
- >>> Wide-angle mirror, heated
- >>> Kerb mirror
- F6I Front mirror, heated
- F5L Sun visor, exterior, transparent
- F5Y A-pillar trim
- >>> Air deflectors, corner panels
- F6Q Air horn
- F0F Side module, N3 vehicle
- F8E Locking system, with central locking
- F8B 2 remote control keys
- F8F Extended central locking

### Cab interior

- D1C Driver's suspension seat, comfort
- D1N Fold-up co-driver's seat
- D2N Driver's seat backrest, release mechanism
- D3Q Seat cover, velour, driver's seat
- D3T Seat cover, velour, co-driver's seat, centre seat
- D3B Luxury bed, bottom
- D3F Luxury bed, top, narrow
- >>> Multifunction steering wheel
- D5Y Rubber mats, driver's and co-driver's side
- D5Z Carpet, engine tunnel
- D4Y Sunblind, side, driver's side
- >>> Power windows, all-round
- J1A Instrument cluster, 10.4 cm
- >>> Display, trailer data, in instrument panel
- J1R Tachograph, digital, EC, rpm, ADR
- J1S Tachograph manufacturer VDO
- >>> On-Board Diagnosis
- >>> Travel computer
- E6Z Reversing buzzer
- >>> Maintenance system
- J2A CD radio
- J2K Speaker, 2-way system
- >>> FleetBoard Eco Support
- J3J FleetBoard veh. computer, new, w. DTCO driver card
- J9D Provision for fitting toll tracking
- J9L Pre-installation for FleetBoard for J3J
- J9A Pre-installation for CB radio, 12 V, DIN slot
- E4A Communications interface (KOM)
- E3A Voltage transformer, 24 V/12 V, 10 A
- E3L Socket, 24 V/15 A, co-driver footwell
- E3E Additional socket, 12 V/15 A, co-driver footwell
- >>> Entrance lamps, in door panel
- >>> Ambient lighting
- D6M Auxiliary hot water heater, cab
- D6F Air conditioning system



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- >>> Bottle holder
- >>> Document stowage space, A4 size
- D7G Stowage compartment lid, driver and co-driver side
- D7J Drawers, under bed
- D7R Stowage flaps, above windscreen
- D0S Compressed-air connection, in cab

#### Electrics / electronics

- E1C Batteries 2 x 12 V/220 Ah, low-maintenance
- E1N Alternator 28 V/100 A
- E7F Cable remote control for air suspension
- E3Y PSM, body and trailer CAN, ISO 11992
- E6A Trailer socket, 24 V, 15-pin
- E6E Adapter, 15-pin to 2x7-pin socket
- L1B Daytime driving lamps
- L3A Floodlight, bottom
- >>> Side marker lights
- >>> LED end-outline marker lamp
- S5A Speed limiter, 90 km/h (56 mph), ECE
- S5Z Cruise control
- S1D Stability Control Assist (ESP)
- S1H Lane Keeping Assist
- S1L Attention Assist
- S1P Active Brake Assist

#### Additional scopes

- M0C Bottom shell to prevent swirling-up of dust
- M0S Noise encapsulation in accordance with ECE
- X2N "L" information plate, night driving ban, Austria
- S8A First aid kit
- S8C Hazard warning triangle
- S8D Warning lamp
- S8E Reflective safety jacket
- Y4W Tool kit, extended
- Y4Z Compressed-air gun, with hose
- Y4H Holder for wheel chock
- Y4I 1 wheel chock
- V0S Vehicle class N3
- V8A Chassis number FIN
- X3W Powertrain warranty as per T and Cs 3yrs/450,000km
- K5Y Initial filling, additional 30 litres of fuel
- V2A Actros model generation 1
- X2E Model plate, EU
- X2A Model identification, acc. to weight variant
- X1T Instrument/labels/documentation, Romanian
- Z5X Left-hand drive
- Z5Y Vehicle, for right-side traffic

Depending on the license plate/registration:

- X1T Instrument/labels/documentation, Romanian
- X1P Instrument/labels/documentation, Polish
- X1H Instrument/labels/documentation, Dutch

#### Additional scopes dealer workshop

PDI inspection



Mounting license plates (assembled with bolts and nuts)  
Calibration and registration tachograph  
Fill up for € 50.00 diesel fuel  
If desired, third language set in the instrument panel (language in consultation with Vos)  
Adjust air suspension (if necessary)  
Spiral hoses replacing for red and yellow hoses with small curl  
Connect the 15-pin cable and the ABS cable  
OBU mounting and personalize (preparation ex factory)  
Purchase VOS board and mount left on the grille  
Purchase Vos Logistics decals and stick them on the cab, including fleet numbers and company logos  
Installation of Astrata OmniExpress board computer (to be provided by Vos)  
Per vehicle a complete (individually labelled) folder with all documents, imprinted with the fleet number  
Providing a Super Green Lorry document for a declaration CEMT  
Separate keys and create two sets labelled with keychains  
Automatic engine stop after "x" minutes idle time (PSM ex factory)  
Mounting ProTanktion antitheft protection (to be provided by Vos)  
Maglite flashlight  
Cabin fire extinguisher 2 kg  
Router cable for combined use of FleetBoard and external on-board computer, incl. connection with tacho download signal  
Standard wheel-nut rings substitute for stainless steel wheel-nut rings on the front axle wheels  
Providing an "L" sticker Austria  
24V power outlet (220V model)  
Braces for mounting the 2x 7-pin connectors  
Supply and installation of a slide-in frame for ADR board at the front  
Permanent power wiring connection for Belgian toll  
Mounting 24V Brad Harrison socket, including bulk tilting cable  
PTO rpm adjusting  
Moving air reservoir from the right to the left side (under the step plate), to create mounting space for the blower/compressor  
Clean vehicle (delivery condition)  
NL-registration requests, or  
NL-registration requests, suspend and transfer to Polish registration, or  
Romanian registration  
Delivery in Oss



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# Vehicle price

**Total net investment in accordance with the above mentioned specification    € 82,250.00**



# Technical data

## Dimensions and weights

Type	
Execution	LS
Drivetrain	4X2
Wheelbase	3700 mm

Body length	
With max. frame overhang	0 mm
Min. centre of gravity – last axle	
Max. centre of gravity – last axle	

Weights	
1. Front axle (empty)	5194 kg
2. Front axle (empty)	0 kg
1. Rear axle (empty)	2274 kg
2. Rear axle (empty)	0 kg
ETG kerb weight (incl. SA)	7468 kg
Payload	10532 kg
Gross vehicle weight	18000 kg
Gross combination weight	44000 kg

Gearbox	
Code	G2B
Transmission	G 211-12/14.93-1.0

Engine	
<b>M3A</b>	
Displacement cm <sup>3</sup>	12809
Engine output kW / HP	310 / 421
Power/engine torque in NM at 1220 rpm	2100

Dimensions	
Frame height – FA – laden	904 mm
Frame height – FA – unladen	985 mm
Frame height – RA – laden	947 mm
Frame height – RA – unladen	972 mm

Tyres	
1st Axle:	2x 315/70 R 22,5
2nd Axle:	4x 315/70 R 22,5

Kerb weights with driver, Tools, Underdrive protection (front/rear), spare wheel, 90% of tankful

Technical tyre data sheet F38L96 75

Description: <b>315/70 R 22,5</b>		Manufacturer: <b>Bridgestone</b>																									
Tread picture: 		Tread pattern: Eco Highway																									
Rolling diameter: 3085 mm		Manufacturer description: ECOPIA H-STEER(M)LD.																									
Static radius under load: 469 mm		<input type="checkbox"/> Assembly not driven front axle <input type="checkbox"/> Assembly driven front axle <input type="checkbox"/> Assembly driven rear axle <input checked="" type="checkbox"/> Assembly not driven axle <input checked="" type="checkbox"/> Tubeless <input checked="" type="checkbox"/> Low noise <input checked="" type="checkbox"/> Dual tires <input type="checkbox"/> 3PMSF (snowflake) <input type="checkbox"/> M + S <input type="checkbox"/> CCC																									
Weight: 60 kg		<input type="checkbox"/> Additional information on double identification <table border="1"> <tr> <td>Reference speed</td> <td>120 km/h</td> <td>Reference speed 2:</td> <td>130 km/h</td> </tr> <tr> <td>Speed index</td> <td>L</td> <td>Speed index 2:</td> <td>M</td> </tr> <tr> <td>Load capacity single spur:</td> <td>8000 kg</td> <td>Load capacity single spur 2:</td> <td>7100 kg</td> </tr> <tr> <td>Load index single spur:</td> <td>156</td> <td>Load index single spur 2:</td> <td>152</td> </tr> <tr> <td>Load index dual spur:</td> <td>150</td> <td>Load index dual spur 2:</td> <td>148</td> </tr> <tr> <td>Load capacity dual spur:</td> <td>13400 kg</td> <td>Load capacity dual spur 2:</td> <td>12600 kg</td> </tr> </table>		Reference speed	120 km/h	Reference speed 2:	130 km/h	Speed index	L	Speed index 2:	M	Load capacity single spur:	8000 kg	Load capacity single spur 2:	7100 kg	Load index single spur:	156	Load index single spur 2:	152	Load index dual spur:	150	Load index dual spur 2:	148	Load capacity dual spur:	13400 kg	Load capacity dual spur 2:	12600 kg
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Description: <b>315/70 R 22,5</b>		Manufacturer: <b>Bridgestone</b>																									
Tread picture: 		Tread pattern: Eco (Traction/M+S)																									
Rolling diameter: 3125 mm		Manufacturer description: ECOPIA H-DRIVE(M)LD.																									
Static radius under load: 474 mm		<input type="checkbox"/> Assembly not driven front axle <input checked="" type="checkbox"/> Assembly driven front axle <input checked="" type="checkbox"/> Assembly driven rear axle <input checked="" type="checkbox"/> Assembly not driven axle <input checked="" type="checkbox"/> Tubeless <input checked="" type="checkbox"/> Low noise <input checked="" type="checkbox"/> Dual tires <input checked="" type="checkbox"/> 3PMSF (snowflake) <input type="checkbox"/> M + S <input type="checkbox"/> CCC																									
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# Technical Data

Technical illustration

