

Meriva 1.3 CDTI 51kW/70hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.3 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 4° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 69.6
Stroke (mm): 82
Displacement (cc): 1248
Compression ratio: 18:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminium alloy
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: indirect roller cam followers, hydraulic tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection, common rail
Fuel pump: mechanical
Emission control system: 2-way cat. conv., exhaust gas recirculation
Charger system: turbo with intercooler
Output (kW/hp CEE at 1/min): 51/70 at 4000
Specific power (kW/l; hp/l): 40.9; 56.1
Max. torque (Nm at 1/min): 170 at 1750-2500
Specific torque (Nm/liter): 136.2
Mean effective pressure at max. power/max. torque (kPa): 1225.10/1712.5
Average piston speed (m/s): 10.9
Engine oil, capacity (l): 3.2
Cooling capacity (l): 6.7
Battery 12 V, capacity (Ah): 60
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: 5-speed manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_D): 0.32*
Frontal area (A in m²): 2.34
Index (c_{wxA}): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 260
Brakes rear, diameter (mm): solid disc, 240
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1393/1870/477
Power to weight ratio (kg/kW; kg/hp)(empty): 27.3; 19.9
Max. axle load front/rear (kg): 985/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 156
Acceleration 0-100 km/h (sec)*: 17.8
Acc. 80-120 km/h in 5th gear (sec)*: 18.3
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.4
extra-urban: 4.2
total: 5.0
CO₂ emission (g/km): 135
Emission class: Euro 3

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.4 66kW/90hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.4 TWINPORT ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 73.4
Stroke (mm): 80.6
Displacement (cc): 1364
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum alloy
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: indirect roller cam followers, hydraulic tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: multi point fuel injection, Motronic
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with oxygen sensor
Output (kW/hp CEE at 1/min): 66/90 at 5600
Specific power (kW/l; hp/l): 48.4; 66.0
Max. torque (Nm at 1/min): 125 at 4000
Specific torque (Nm/liter): 91.6
Mean effective pressure at max. power/max. torque (kPa): 1036.9/1152.1
Average piston speed (m/s): 15.0
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.8
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.31
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 4.29
dry single plate
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index (c_wxA): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 260
Brakes rear, diameter (mm): solid disc, 240
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1330/1785/455
Power to weight ratio (kg/kW; kg/hp)(empty): 20.2; 14.8
Max. axle load front/rear (kg): 900/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 168
Acceleration 0-100 km/h (sec)*: 13.8
Pass-by noise (dBA): 70
Fuel: unleaded premium 95 RON
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU.

Additional equipment can lead to increased consumption and CO₂ values.
urban: 8.3
extra-urban: 5.3
total: 6.4

CO₂ emission (g/km): 154
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Meriva 1.6 74kW/100hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index ($c_w \times A$): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1375/1830/455
Power to weight ratio (kg/kW; kg/hp)(empty): 18.6; 13.8
Max. axle load front/rear (kg): 940/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 13.3
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10
extra-urban: 5.8
total: 7.3
CO₂ emission (g/km): 175
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.6 74kW/100hp Easytronic minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: Easytronic, automated manual transmission
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_D): 0.32*
Frontal area (A in m²): 2.34
Index (c_{wxA}): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1375/1830/455
Power to weight ratio (kg/kW; kg/hp)(empty): 18.6; 13.8
Max. axle load front/rear (kg): 940/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 14.3
Pass-by noise (dBA): 69
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.8
extra-urban: 5.7
total: 7.2
CO₂ emission (g/km): 173
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.7 DTI 55kW/75hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.7 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: bucket tappets with compensating discs
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection
Fuel pump: vane pump, mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler
Charger system:
Max. boost pressure (bar): 0.9
Output (kW/hp CEE at 1/min): 55/75 at 4400
Specific power (kW/l; hp/l): 32.6; 44.5
Max. torque (Nm at 1/min): 165 at 1800-3000
Specific torque (Nm/liter): 97.9
Mean effective pressure at max. power/max. torque (kPa): 889.7/1230.4
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 6.7
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index (c_wxA): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1393/1870/477
Power to weight ratio (kg/kW; kg/hp)(empty): 25.3; 18.6
Max. axle load front/rear (kg): 985/950
Trailer load braked/unbraked (kg): 1100/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 161
Acceleration 0-100 km/h (sec)*: 17
Acc. 80-120 km/h in 5th gear (sec)*: 19.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.9
extra-urban: 4.5
total: 5.4
CO₂ emission (g/km): 146
Emission class: Euro 3

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.7 CDTI 74kW/100hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.7 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection, common rail
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.18
Output (kW/hp CEE at 1/min): 74/100 at 4400
Specific power (kW/l; hp/l): 43.9; 59.3
Max. torque (Nm at 1/min): 240 at 2300
Specific torque (Nm/liter): 142.3
Mean effective pressure at max. power/max. torque (kPa): 1197.0/1789.6
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.7
Cooling capacity (l): 6.7
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19
4th ratio: 0.85 5th ratio: 0.69
reverse ratio: 3.31 final drive ratio: 3.84
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index ($c_w \times A$): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1455/1910/455
Power to weight ratio (kg/kW; kg/hp)(empty): 19.7; 14.6
Max. axle load front/rear (kg): 1025/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 13.4
Acc. 80-120 km/h in 5th gear (sec)*: 13.4
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.7
extra-urban: 4.5
total: 5.3
CO₂ emission (g/km): 143
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.8 92kW/125hp 5-speed minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 6000
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 165 at 4600
Specific torque (Nm/liter): 91.9
Mean effective pressure at max. power/max. torque (kPa): 1024.5/1155.0
Average piston speed (m/s): 17.6
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.5
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index ($c_w \times A$): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1380/1835/455
Power to weight ratio (kg/kW; kg/hp)(empty): 15.0; 11.0
Max. axle load front/rear (kg): 940/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 190
Acceleration 0-100 km/h (sec)*: 11.3
Pass-by noise (dBA): 72
Fuel: unleaded premium 95 RON
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.9
extra-urban: 6.1
total: 7.9
CO₂ emission (g/km): 190
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Meriva 1.8 92kW/125hp Easytronic minivan 5 doors

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 6000
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 165 at 4600
Specific torque (Nm/liter): 91.9
Mean effective pressure at max. power/max. torque (kPa): 1024.5/1155.0
Average piston speed (m/s): 17.6
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.5
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: Easytronic, automated manual transmission
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: single-plate clutch, electrically operated

Body

Seats: 2-5, FlexSpace
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.34
Index ($c_w \times A$): 0.76*

Chassis

Wheel suspension front: independent, wishbone on closed subframe, gas pre-loaded struts
Wheel suspension rear: compound link suspension, torsion tube design with 2 control arms gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: option
ESP: option

Weights and dimensions

Length (mm): 4042
Width (mm): 1694
Height (mm): 1624
Wheelbase (mm): 2630
Track front/rear (mm): 1449/1464
Luggage capacity (l) ECIE: 350-1410
Cargo-area length (mm): 861/1640
Cargo-area width (mm): 1060
Cargo-area height (mm): 854
Rim width (inch)(mm)/tire size: 6Jx15/185/60 R 15 H
Turning clearance circle/turning circle (m): 10.85/10.25
Steer. wheel turns lock/lock: 3.8
Steering, ratio: electrical power steering, 16.7
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1380/1835/455
Power to weight ratio (kg/kW; kg/hp)(empty): 15.0; 11.0
Max. axle load front/rear (kg): 940/950
Trailer load braked/unbraked (kg): 1200/675
Trailer hook weight/roof load (kg): 50/75
Fuel tank capacity (l), location: 53, under rear seats

Performance

Top speed (km/h)*: 190
Acceleration 0-100 km/h (sec)*: 12.3
Pass-by noise (dBA): 72
Fuel: unleaded premium 95 RON
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.7
extra-urban: 6.1
total: 7.8
CO₂ emission (g/km): 187
Emission class: Euro 4

Maintenance

Service intervals: General inspection after 24 months or 60.000 km;
interim service with oil exchange after 12 months or 30.000 km

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany