

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): 6.1
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: 5-speed manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 240 km/h category V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1395/1870/475
Power to weight ratio (kg/kW; kg/hp)(empty): 18.9; 14.0
Max. axle load front/rear (kg): 940/965
Trailer load braked/unbraked (kg): 1300/680
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 192
Acceleration 0-100 km/h (sec)*: 12.5
Acc. 80-120 km/h in 5th gear (sec)*: 16.6
Pass-by noise (dBA): 73
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: 9.9 - 10.0
extra-urban: 5.6 - 5.7
total: 7.2 - 7.3
CO₂ emission (g/km): 173 - 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

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): 90/122 at 6000
Specific power (kW/l; hp/l): 50.1; 67.9
Max. torque (Nm at 1/min): 167 at 3800
Specific torque (Nm/liter): 93.0
Mean effective pressure at max. power/max. torque (kPa): 1002.2/1169.0
Average piston speed (m/s): 17.6
Engine oil, capacity (l): 4.25
Cooling capacity (l): 5.5
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: 5-speed manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_{wxA}): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 240 km/h category V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1395/1870/475
Power to weight ratio (kg/kW; kg/hp)(empty): 15.5; 11.4
Max. axle load front/rear (kg): 940/965
Trailer load braked/unbraked (kg): 1300/685
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 205
Acceleration 0-100 km/h (sec)*: 11.2
Acc. 80-120 km/h in 5th gear (sec)*: 15.5
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 - 10.8
extra-urban: 5.8 - 5.9
total: 7.6 - 7.7
CO₂ emission (g/km): 182 - 185
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.9 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 17° 24' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 82
Stroke (mm): 90.4
Displacement (cc): 1910
Compression ratio: 18:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (OHC), driven by toothed belt
Valve train: bucket tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection, common rail
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter, diesel particulate filter
Charger system: turbo with intercooler
Output (kW/hp CEE at 1/min): 74/100 at 3500-4000
Specific power (kW/l; hp/l): 38.7; 52.4
Max. torque (Nm at 1/min): 260 at 1700-2500
Specific torque (Nm/liter): 136.1
Mean effective pressure at max. power/max. torque (kPa): 1328.3/1711.4
Average piston speed (m/s): 10.5
Engine oil, capacity (l): 4.3
Cooling capacity (l): 7.5
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.82 2nd ratio: 2.05 3rd ratio: 1.30
4th ratio: 0.96 5th ratio: 0.74 6th ratio: 0.61
reverse ratio: 3.55 final drive ratio: 3.35
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index ($c_w \times A$): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1 longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1505/1980/475
Power to weight ratio (kg/kW; kg/hp)(empty): 20.3; 15.1
Max. axle load front/rear (kg): 1055/965
Trailer load braked/unbraked (kg): 1400/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 186
Acceleration 0-100 km/h (sec)*: 13.3
Acc. 80-120 km/h in 5th gear (sec)*: 13.8
Pass-by noise (dBA): 72
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: 7.4 - 7.5
extra-urban: 4.7 - 4.8
total: 5.7 - 5.8
CO₂ emission (g/km): 154 - 157
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.9 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 17° 24' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 82
Stroke (mm): 90.4
Displacement (cc): 1910
Compression ratio: 18:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (OHC), driven by toothed belt
Valve train: direct, bucket tappets
Valve, arrangement: in line; 2 per cylinder
Valve adjustment: mechanical
Fuel system: diesel direct injection, common rail
Fuel pump: high pressure, mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation, diesel particulate filter

Charger system: turbo with intercooler
Output (kW/hp CEE at 1/min): 88/120 at 3500-4000
Specific power (kW/l; hp/l): 46.1; 62.8
Max. torque (Nm at 1/min): 280 at 2000-2750
Specific torque (Nm/liter): 146.6
Mean effective pressure at max. power/max. torque (kPa): 1579.7/1843.0
Average piston speed (m/s): 10.5
Engine oil, capacity (l): 4.3
Cooling capacity (l): 7.5
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.82 2nd ratio: 2.05 3rd ratio: 1.30
4th ratio: 0.96 5th ratio: 0.74 6th ratio: 0.61
reverse ratio: 3.55 final drive ratio: 3.35
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1505/1980/475
Power to weight ratio (kg/kW; kg/hp)(empty): 17.1; 12.5
Max. axle load front/rear (kg): 1055/965
Trailer load braked/unbraked (kg): 1500/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 200
Acceleration 0-100 km/h (sec)*: 11.5
Acc. 80-120 km/h in 5th gear (sec)*: 12.5
Pass-by noise (dBA): 72
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: 7.4 - 7.5
extra-urban: 4.7 - 4.8
total: 5.7 - 5.8
CO₂ emission (g/km): 154 - 157
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.9 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 17° 24' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 82
Stroke (mm): 90.4
Displacement (cc): 1910
Compression ratio: 17.5:1
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: indirect, roller cam followers
Valve, arrangement: in line; 4 per cylinder
Valve adjustment: hydraulic
Fuel system: diesel direct injection, common rail
Fuel pump: high pressure, mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation, diesel particulate filter

Charger system: turbo with intercooler
Output (kW/hp CEE at 1/min): 110/150 at 4000
Specific power (kW/l; hp/l): 57.6; 78.5
Max. torque (Nm at 1/min): 320 at 2000-2750
Specific torque (Nm/liter): 167.5
Mean effective pressure at max. power/max. torque (kPa): 1727.7/2106.3
Average piston speed (m/s): 12.1
Engine oil, capacity (l): 4.3
Cooling capacity (l): 7.5
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76 6th ratio: 0.62
reverse ratio: 3.54 final drive ratio: 3.55
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1503/1990/487
Power to weight ratio (kg/kW; kg/hp)(empty): 13.7; 10.0
Max. axle load front/rear (kg): 1065/965
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 217
Acceleration 0-100 km/h (sec)*: 9.8
Acc. 80-120 km/h in 5th gear (sec)*: 9.5
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: 7.5 - 7.7
extra-urban: 4.8 - 4.9
total: 5.8 - 5.9
CO₂ emission (g/km): 157 - 159
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 1.9 CDTI ECOTEC
Engine, location: front, transverse in front of axle, 17° 24' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 82
Stroke (mm): 90.4
Displacement (cc): 1910
Compression ratio: 17.5:1
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: indirect, roller cam followers
Valve, arrangement: in line; 4 per cylinder
Valve adjustment: hydraulic
Fuel system: diesel direct injection, common rail
Fuel pump: high pressure, mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation, diesel particulate filter

Charger system: turbo with intercooler
Output (kW/hp CEE at 1/min): 110/150 at 4000
Specific power (kW/l; hp/l): 57.6; 78.5
Max. torque (Nm at 1/min): 320 at 2000-2750
Specific torque (Nm/liter): 167.5
Mean effective pressure at max. power/max. torque (kPa): 1727.7/2106.3
Average piston speed (m/s): 12.1
Engine oil, capacity (l): 4.3
Cooling capacity (l): 7.5
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: automatic with ActiveSelect
Gear ratios: 1st ratio: 4.15 2nd ratio: 2.37 3rd ratio: 1.56
4th ratio: 1.16 5th ratio: 0.86 6th ratio: 0.69
reverse ratio: 3.39 final drive ratio: 2.67

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index ($c_w \times A$): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1 longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1503/2015/512
Power to weight ratio (kg/kW; kg/hp)(empty): 13.7; 10.0
Max. axle load front/rear (kg): 1090/965
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 210
Acceleration 0-100 km/h (sec)*: 10
Pass-by noise (dBA): 71
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: 9.5 - 9.6
extra-urban: 5.4 - 5.5
total: 6.9 - 7.0
CO₂ emission (g/km): 186 - 189
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.0 Turbo ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 86
Displacement (cc): 1998
Compression ratio: 9.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller rocker with 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): 129/175 at 5500
Specific power (kW/l; hp/l): 64.6; 87.6
Max. torque (Nm at 1/min): 265 at 2500
Specific torque (Nm/liter): 132.6
Mean effective pressure at max. power/max. torque (kPa): 1408.7/1667.5
Average piston speed (m/s): 15.8
Engine oil, capacity (l): 6
Cooling capacity (l): 7.5
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.37
4th ratio: 1.04 5th ratio: 0.85 6th ratio: 0.71
reverse ratio: 3.54 final drive ratio: 3.91
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 302
Brakes rear, diameter (mm): solid disc, 292
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1505/1980/475
Power to weight ratio (kg/kW; kg/hp)(empty): 11.7; 8.6
Max. axle load front/rear (kg): 1035/965
Trailer load braked/unbraked (kg): 1600/730
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 230
Acceleration 0-100 km/h (sec)*: 9.1
Acc. 80-120 km/h in 5th gear (sec)*: 9.5
Pass-by noise (dBA): 73
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: 12.5 - 12.6
extra-urban: 6.3 - 6.4
total: 8.6 - 8.7
CO₂ emission (g/km): 206 - 209
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.2 DIRECT ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 12:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (2 DOHC), driven by chain
Valve train: indirect, roller cam followers
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: gasoline direct injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank; mechanical at cylinder head
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 114/155 at 5600
Specific power (kW/l; hp/l): 51.9; 70.5
Max. torque (Nm at 1/min): 220 at 3800
Specific torque (Nm/liter): 100.1
Mean effective pressure at max. power/max. torque (kPa): 1111.4/1258.3
Average piston speed (m/s): 17.7
Engine oil, capacity (l): 5
Cooling capacity (l): 7.2
Battery 12 V, capacity (Ah): 72
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.82 2nd ratio: 2.16 3rd ratio: 1.48
4th ratio: 1.07 5th ratio: 0.88 6th ratio: 0.74
reverse ratio: 3.55 final drive ratio: 3.65
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_{wxA}): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1460/1935/475
Power to weight ratio (kg/kW; kg/hp)(empty): 12.8; 9.4
Max. axle load front/rear (kg): 990/965
Trailer load braked/unbraked (kg): 1500/715
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 218
Acceleration 0-100 km/h (sec)*: 9.4
Acc. 80-120 km/h in 5th gear (sec)*: 13.8
Pass-by noise (dBA): 71
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: 10.3 - 10.4
extra-urban: 5.9 - 6.0
total: 7.5 - 7.6
CO₂ emission (g/km): 180 - 182
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.2 DIRECT ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 12:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (2 DOHC), driven by chain
Valve train: indirect, roller cam followers
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: gasoline direct injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank; mechanical at cylinder head
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 114/155 at 5600
Specific power (kW/l; hp/l): 51.9; 70.5
Max. torque (Nm at 1/min): 220 at 3800
Specific torque (Nm/liter): 100.1
Mean effective pressure at max. power/max. torque (kPa): 1111.4/1258.3
Average piston speed (m/s): 17.7
Engine oil, capacity (l): 5
Cooling capacity (l): 7.4
Battery 12 V, capacity (Ah): 72
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: automatic with ActiveSelect
Gear ratios: 1st ratio: 4.68 2nd ratio: 2.94 3rd ratio: 1.92
4th ratio: 1.30 5th ratio: 1.00
reverse ratio: 3.17 final drive ratio: 2.60

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 285
Brakes rear, diameter (mm): solid disc, 278
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 H
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1490/1965/475
Power to weight ratio (kg/kW; kg/hp)(empty): 13.1; 9.6
Max. axle load front/rear (kg): 1020/965
Trailer load braked/unbraked (kg): 1600/715
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 210
Acceleration 0-100 km/h (sec)*: 10.5
Pass-by noise (dBA): 71
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: 11.3 - 11.4
extra-urban: 6.1 - 6.2
total: 8.0 - 8.1
CO₂ emission (g/km): 192 - 194
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.8 ECOTEC
Engine, location: front, transverse in front of axle, 2° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 6
Bore (mm): 89
Stroke (mm): 74.8
Displacement (cc): 2792
Compression ratio: 9.5:1
Engine, type: v; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 4 overhead (DOHC), driven by chain
Valve train: roller rocker with 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): 169/230 at 5500
Specific power (kW/l; hp/l): 60.5; 82.4
Max. torque (Nm at 1/min): 330 at 1800
Specific torque (Nm/liter): 118.2
Mean effective pressure at max. power/max. torque (kPa): 1320.7/1485.9
Average piston speed (m/s): 13.7
Engine oil, capacity (l): 6
Cooling capacity (l): 9.6
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 2130

Transmission

Drive axle: front wheel drive
Transmission, type: 6-speed manual
Gear ratios: 1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.37
4th ratio: 1.04 5th ratio: 0.85 6th ratio: 0.71
reverse ratio: 3.54 final drive ratio: 3.55
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_{wxA}): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 314
Brakes rear, diameter (mm): solid disc, 292
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1565/2040/475
Power to weight ratio (kg/kW; kg/hp)(empty): 9.3; 6.8
Max. axle load front/rear (kg): 1095/965
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 250
Acceleration 0-100 km/h (sec)*: 7.3
Acc. 80-120 km/h in 5th gear (sec)*: 8.1
Pass-by noise (dBA): 73
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: 15.4 - 15.5
extra-urban: 7.3 - 7.4
total: 10.3 - 10.4
CO₂ emission (g/km): 247 - 250
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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.8 ECOTEC
Engine, location: front, transverse in front of axle, 2° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 6
Bore (mm): 89
Stroke (mm): 74.8
Displacement (cc): 2792
Compression ratio: 9.5:1
Engine, type: v; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 4 overhead (DOHC), driven by chain
Valve train: roller rocker with 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): 169/230 at 5500
Specific power (kW/l; hp/l): 60.5; 82.4
Max. torque (Nm at 1/min): 330 at 1800
Specific torque (Nm/liter): 118.2
Mean effective pressure at max. power/max. torque (kPa): 1320.7/1485.9
Average piston speed (m/s): 13.7
Engine oil, capacity (l): 6
Cooling capacity (l): 9.6
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 2130

Transmission

Drive axle: front wheel drive
Transmission, type: automatic with ActiveSelect
Gear ratios: 1st ratio: 4.15 2nd ratio: 2.37 3rd ratio: 1.56
4th ratio: 1.16 5th ratio: 0.86 6th ratio: 0.69
reverse ratio: 3.39 final drive ratio: 3.2

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 314
Brakes rear, diameter (mm): solid disc, 292
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1590/2065/475
Power to weight ratio (kg/kW; kg/hp)(empty): 9.4; 6.9
Max. axle load front/rear (kg): 1120/965
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 250
Acceleration 0-100 km/h (sec)*: 7.7
Pass-by noise (dBA): 73
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: 17.1 - 17.2
extra-urban: 7.3 - 7.4
total: 10.9 - 11.0
CO₂ emission (g/km): 262 - 264
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

| | |
|--|--|
| Model year: | 2006 |
| Date: | 07/2005 |
| Engine data | |
| Engine: | 2.8 ECOTEC |
| Engine, location: | front, transverse in front of axle, 2° backward inclined |
| Cooling system: | with liquid, sealed circuit |
| Cylinders, number: | 6 |
| Bore (mm): | 89 |
| Stroke (mm): | 74.8 |
| Displacement (cc): | 2792 |
| Compression ratio: | 9.5:1 |
| Engine, type: | v; 5 main bearings |
| Cylinder block/head, material: | aluminum/aluminum |
| Camshaft(s), location: | 4 overhead (DOHC), driven by chain |
| Valve train: | roller rocker with 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 |
| Max. boost pressure (bar): | 0.7 |
| Output (kW/hp CEE at 1/min): | 184/250 at 5500 |
| Specific power (kW/l; hp/l): | 65.9; 89.5 |
| Max. torque (Nm at 1/min): | 350 at 1800 |
| Specific torque (Nm/liter): | 125.4 |
| Mean effective pressure at max. power/max. torque (kPa): | 1437.9/1576.0 |
| Average piston speed (m/s): | 13.7 |
| Engine oil, capacity (l): | 6 |
| Cooling capacity (l): | 9.6 |
| Battery 12 V, capacity (Ah): | 66 |
| Alternator 14.2 V, capacity (W): | 2130 |

Transmission

| | |
|---------------------|---|
| Drive axle: | front wheel drive |
| Transmission, type: | 6-speed manual |
| Gear ratios: | 1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.37 4th ratio: 1.04 5th ratio: 0.85 6th ratio: 0.71 reverse ratio: 3.54 final drive ratio: 3.55 |
| Clutch, type: | dry single plate |

Body

| | |
|--------------------------------------|-------|
| Seats: | 5 |
| Drag coefficient (c _d): | 0.29* |
| Frontal area (A in m ²): | 2.18 |
| Index (c _w xA): | 0.63* |

IDS Chassis

| | |
|-------------------------|--|
| Wheel suspension front: | independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts |
| Wheel suspension rear: | multi-link suspension, 3 transverse+1 longitudinal arm, coil springs, gas-filled shock absorbers |
| Anti roll bar: | front + rear |

Brakes

| | |
|------------------------------|----------------------|
| Brake circuits: | 2, diagonal |
| Brakes front, diameter (mm): | ventilated disc, 314 |
| Brakes rear, diameter (mm): | solid disc, 292 |
| ABS: | standard equipment |
| TC Plus: | standard equipment |
| ESP Plus: | standard equipment |

Weights and dimensions

| | |
|---|------------------------------------|
| Length (mm): | 4611 |
| Width (mm): | 1798 |
| Height (mm): | 1460 |
| Wheelbase (mm): | 2700 |
| Overhang front/rear: | 920/991 |
| Track front/rear (mm): | 1536/1525 |
| Luggage capacity (l) ECIE: | 500-1050 |
| Cargo-area length (mm): | 1030 (max. 1774) |
| Cargo-area width (mm): | 1016 |
| Cargo-area height (mm): | 500 |
| Rim width (inch)(mm)/tire size: | 6.5Jx16/215/55 R16 V |
| Turning clearance circle/turning circle (m): | 11.45/10.70 |
| Steer. wheel turns lock/lock: | 2.75 |
| Steering, ratio: | electr.-hydr. power steering, 15.2 |
| Steering wheel outside diameter (mm): | 380 |
| Kerb weight/max. allowable weight/additional load (kg): | 1565/2040/475 |
| Power to weight ratio (kg/kW; kg/hp)(empty): | 8.5; 6.3 |
| Max. axle load front/rear (kg): | 1095/965 |
| Trailer load braked/unbraked (kg): | 1600/750 |
| Trailer hook weight/roof load (kg): | 78/100 |
| Fuel tank capacity (l), location: | 61, under rear seats |

Performance

| | |
|--------------------------------------|--|
| Top speed (km/h)*: | 255 |
| Acceleration 0-100 km/h (sec)*: | 6.9 |
| Acc. 80-120 km/h in 5th gear (sec)*: | 7.6 |
| Pass-by noise (dBA): | 73 |
| 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 CO ₂ values . |
| | urban: 15.4 - 15.5 |
| | extra-urban: 7.3 - 7.4 |
| | total: 10.3 - 10.4 |
| CO ₂ emission (g/km): | 247 - 250 |
| 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

Model year: 2006
Date: 07/2005

Engine data

Engine: 2.8 ECOTEC
Engine, location: front, transverse in front of axle, 2° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 6
Bore (mm): 89
Stroke (mm): 74.8
Displacement (cc): 2792
Compression ratio: 9.5:1
Engine, type: v; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 4 overhead (DOHC), driven by chain
Valve train: roller rocker with 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
Max. boost pressure (bar): 0.7
Output (kW/hp CEE at 1/min): 184/250 at 5500
Specific power (kW/l; hp/l): 65.9; 89.5
Max. torque (Nm at 1/min): 350 at 1800
Specific torque (Nm/liter): 125.4
Mean effective pressure at max. power/max. torque (kPa): 1437.9/1576.0
Average piston speed (m/s): 13.7
Engine oil, capacity (l): 6
Cooling capacity (l): 9.6
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 2130

Transmission

Drive axle: front wheel drive
Transmission, type: automatic with ActiveSelect
Gear ratios: 1st ratio: 4.15 2nd ratio: 2.37 3rd ratio: 1.56
4th ratio: 1.16 5th ratio: 0.86 6th ratio: 0.69
reverse ratio: 3.39 final drive ratio: 3.2

Body

Seats: 5
Drag coefficient (c_D): 0.29*
Frontal area (A in m²): 2.18
Index (c_wxA): 0.63*

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts
Wheel suspension rear: multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers
Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 314
Brakes rear, diameter (mm): solid disc, 292
ABS: standard equipment
TC Plus: standard equipment
ESP Plus: standard equipment

Weights and dimensions

Length (mm): 4611
Width (mm): 1798
Height (mm): 1460
Wheelbase (mm): 2700
Overhang front/rear: 920/991
Track front/rear (mm): 1536/1525
Luggage capacity (l) ECIE: 500-1050
Cargo-area length (mm): 1030 (max. 1774)
Cargo-area width (mm): 1016
Cargo-area height (mm): 500
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.45/10.70
Steer. wheel turns lock/lock: 2.75
Steering, ratio: electr.-hydr. power steering, 15.2
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1590/2065/475
Power to weight ratio (kg/kW; kg/hp)(empty): 8.6; 6.4
Max. axle load front/rear (kg): 1120/965
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 78/100
Fuel tank capacity (l), location: 61, under rear seats

Performance

Top speed (km/h)*: 250
Acceleration 0-100 km/h (sec)*: 7.3
Pass-by noise (dBA): 73
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: 17.1 - 7.2
extra-urban: 7.3 - 7.4
total: 10.9 - 11.0
CO₂ emission (g/km): 262 - 264
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

| | |
|--|---|
| Model year: | 2006 |
| Date: | 07/2005 |
| Engine data | |
| Engine: | 3.0 V6 CDTI ECOTEC |
| Engine, location: | front, transverse in front of axle, 1° forward inclined |
| Cooling system: | with liquid, sealed circuit |
| Cylinders, number: | 6 |
| Bore (mm): | 87.5 |
| Stroke (mm): | 82 |
| Displacement (cc): | 2958 |
| Compression ratio: | 18.5:1 |
| Engine, type: | v 66°; 4 main bearings |
| Cylinder block/head, material: | aluminum/aluminum |
| Camshaft(s), location: | 4 overhead (DOHC), gear/toothed belt |
| Valve train: | direct, bucket tappets |
| Valve, arrangement: | v; 4 per cylinder |
| Valve adjustment: | mechanical |
| Fuel system: | diesel direct injection, common rail |
| Fuel pump: | high pressure, mechanical |
| Emission control system: | 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation, diesel particulate filter |
| Charger system: | turbo with intercooler |
| Max. boost pressure (bar at 1/min): | 1.2 at 4,000 |
| Output (kW/hp CEE at 1/min): | 135/184 at 4000 |
| Specific power (kW/l; hp/l): | 45.6; 62.2 |
| Max. torque (Nm at 1/min): | 400 at 1900-2700 |
| Specific torque (Nm/liter): | 135.2 |
| Mean effective pressure at max. power/max. torque (kPa): | 1369.2/1700.1 |
| Average piston speed (m/s): | 10.9 |
| Engine oil, capacity (l): | 7.5 |
| Cooling capacity (l): | 7.1 |
| Battery 12 V, capacity (Ah): | 120 |
| Alternator 14.2 V, capacity (W): | 1988 |
| Transmission | |
| Drive axle: | front wheel drive |
| Transmission, type: | 6-speed manual |
| Gear ratios: | 1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.32 4th ratio: 0.95 5th ratio: 0.76 6th ratio: 0.62 reverse ratio: 3.54 final drive ratio: 3.55 |
| Clutch, type: | dry single plate |
| Body | |
| Seats: | 5 |
| Drag coefficient (c _D): | 0.29* |
| Frontal area (A in m ²): | 2.18 |
| Index (c _w xA): | 0.63* |
| IDS Chassis | |
| Wheel suspension front: | independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts |
| Wheel suspension rear: | multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers |
| Anti roll bar: | front + rear |

Brakes

| | |
|------------------------------|----------------------|
| Brake circuits: | 2, diagonal |
| Brakes front, diameter (mm): | ventilated disc, 314 |
| Brakes rear, diameter (mm): | solid disc, 292 |
| ABS: | standard equipment |
| TC Plus: | standard equipment |
| ESP Plus: | standard equipment |

Weights and dimensions

| | |
|---|------------------------------------|
| Length (mm): | 4611 |
| Width (mm): | 1798 |
| Height (mm): | 1460 |
| Wheelbase (mm): | 2700 |
| Overhang front/rear: | 920/991 |
| Track front/rear (mm): | 1536/1525 |
| Luggage capacity (l) ECIE: | 500-1050 |
| Cargo-area length (mm): | 1030 (max. 1774) |
| Cargo-area width (mm): | 1016 |
| Cargo-area height (mm): | 500 |
| Rim width (inch)(mm)/tire size: | 6.5Jx16/215/55 R16 V |
| Turning clearance circle/turning circle (m): | 11.45/10.70 |
| Steer. wheel turns lock/lock: | 2.75 |
| Steering, ratio: | electr.-hydr. power steering, 15.2 |
| Steering wheel outside diameter (mm): | 380 |
| Kerb weight/max. allowable weight/additional load (kg): | 1635/2110/475 |
| Power to weight ratio (kg/kW; kg/hp)(empty): | 12.1; 8.9 |
| Max. axle load front/rear (kg): | 1160/965 |
| Trailer load braked/unbraked (kg): | 1600/750 |
| Trailer hook weight/roof load (kg): | 78/100 |
| Fuel tank capacity (l), location: | 61, under rear seats |

Performance

| | |
|--------------------------------------|---|
| Top speed (km/h)*: | 230 |
| Acceleration 0-100 km/h (sec)*: | 8.9 |
| Acc. 80-120 km/h in 5th gear (sec)*: | 8.8 |
| 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 CO ₂ values . |
| | urban: 9.8 - 9.9 |
| | extra-urban: 5.2 - 5.3 |
| | total: 6.9 - 7.0 |
| CO ₂ emission (g/km): | 186 - 189 |
| 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