

Model year: 2006
Date: 08/2005

Engine data

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: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: v; 2 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): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.9
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: 3.94
Clutch, type: dry single plate

Body

Seats: 2
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): drum
ABS: option

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1475
Wheelbase (mm): 2611
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 790-1600
Opening luggage compartment to ground (mm): 535
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 11.0/10.35
Steer. wheel turns lock/lock: 3.0
Steering, ratio: power steering, 16
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1175/1710/435
Power to weight ratio (kg/kW; kg/hp)(empty): 19.0; 13.8
Max. axle load front/rear (kg): 845/885
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 172
Acceleration 0-100 km/h (sec)*: 13.5
Acc. 80-120 km/h in 5th gear (sec)*: 20.5
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 80/1268/EWG. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.6 - 9.8
extra-urban: 5.6 - 5.8
total: 7.1 - 7.3
CO₂ emission (g/km): 170 - 174
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

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Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
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Valve train: hydraulic tappets
Valve, arrangement: v; 2 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): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.8
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 2
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers
Anti roll bar: front

Brakes

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Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): drum
ABS: option

Weights and dimensions

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Opening luggage compartment to ground (mm): 535
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 11.0/10.35
Steer. wheel turns lock/lock: 3.0
Steering, ratio: power steering, 16
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1195/1730/435
Power to weight ratio (kg/kW; kg/hp)(empty): 19.3; 14.1
Max. axle load front/rear (kg): 865/885
Trailer load braked/unbraked (kg): 1000/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 167
Acceleration 0-100 km/h (sec)*: 15
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 80/1268/EWG. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.0
extra-urban: 6.2
total: 8.0

CO₂ emission (g/km): 191
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

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Date: 08/2005

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 with compensating discs
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): 1.0
Output (kW/hp CEE at 1/min): 59/80 at 4400
Specific power (kW/l; hp/l): 35.0; 47.4
Max. torque (Nm at 1/min): 170 at 1800-2800
Specific torque (Nm/liter): 100.8
Mean effective pressure at max. power/max. torque (kPa): 954.4/1267.6
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 8.1
Battery 12 V, capacity (Ah): 72
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: 3.55
Clutch, type: dry single plate

Body

Seats: 2
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index ($c_w \times A$): 0.59*

Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers
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Steer. wheel turns lock/lock: 3.0
Steering, ratio: power steering, 16
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1260/1795/435
Power to weight ratio (kg/kW; kg/hp)(empty): 21.4; 15.8
Max. axle load front/rear (kg): 935/885
Trailer load braked/unbraked (kg): 1100/600
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 165
Acceleration 0-100 km/h (sec)*: 15
Acc. 80-120 km/h in 5th gear (sec)*: 20
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 80/1268/EWG. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.1
extra-urban: 4.0
total: 4.8
CO₂ emission (g/km): 129
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

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