Vectra 1.6 74kW/100hp 5-speed notchback 4 doors Model year: 2006 Date: 07/2005 Engine data Engine: 16 FCOTEC Engine, location: front, transverse in front of axle, 7° 50' forward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 79 Bore (mm): 81.5 Stroke (mm): 1598 Displacement (cc): 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 electr. ignition map, ignition coil direct to spark plug lanition system: 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/I: hp/I): 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 (I): 3.5 Cooling capacity (I): 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_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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 front + rear Anti roll bar: **Brakes** Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 285 Brakes rear, diameter (mm): solid disc. 278

standard equipment

standard equipment

standard equipment

ABS:

TC Plus:

ESP Plus:

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 (I) 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.-hvdr. 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 (I), 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

Vectra 1.8 90kW/122hp 5-speed notchback 4 doors Model year: 2006 Date: 07/2005 Engine data Engine: 1.8 FCOTEC Engine, location: front, transverse in front of axle, 7° 50' forward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 80.5 Bore (mm): 88.2 Stroke (mm): 1796 Displacement (cc): 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 electr. ignition map, ignition coil direct to spark plug lanition system: 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 (I): 4.25 Cooling capacity (I): 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_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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 front + rear Anti roll bar: **Brakes** Brake circuits: 2, diagonal ventilated disc, 285 Brakes front, diameter (mm): Brakes rear, diameter (mm): solid disc. 278

standard equipment

standard equipment

standard equipment

ABS:

TC Plus:

ESP Plus:

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 (I) 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.-hvdr. 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 (I), 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 - 7.7182 - 185

CO2 emission (g/km): 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

Vectra 1.9 CDTI 74kW/100hp 6-speed notchback 4 doors Model year: 2006 Date: 07/2005 Engine data Engine: 1.9 CDTI ECOTEC front, transverse in front of axle, 17° 24' forward inclined Engine, location: Cooling system: with liquid, sealed circuit Cylinders, number: 82 Bore (mm): 90.4 Stroke (mm): 1910 Displacement (cc): 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: mecanical oxidizing catalytic converter, diesel Emission control system: particulate filter turbo with intercooler Charger system: 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 (I): 4.3 Cooling capacity (I): 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: Drag coefficient (c_): 0.29^{+} Frontal area (A in m2): 2.18 Index (c ..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:

Brakes front, diameter (mm):

Brakes rear, diameter (mm):

Standard equipment

Standard equipment

Standard equipment

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 (I) 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 (I), 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

154 - 157

CO₂ emission (g/km): 154 - 19 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

Vectra	1.9 CDTI	88kW/120hp	6-speed notchback 4 doors
Model year: Date:			2006 07/2005
Engine da Engine: Engine, locatic Cooling systet Cylinders, nur Bore (mm): Stroke (mm): Displacement Compression Engine, type: Cylinder block Camshaft(s), Valve train: Valve, arrang Valve adjustm Fuel system: Fuel pump:	on: m: nber: (cc): ratio: t/head, mater location: ement: lent:	ial:	1.9 CDTI ECOTEC front, transverse in front of axle, 17° 24' forward inclined with liquid, sealed circuit 4 82 90.4 1910 18:1 in line; 5 main bearings cast iron/aluminum 1 overhead (OHC), driven by toothed belt direct, bucket tappets in line; 2 per cylinder mecanical diesel direct injection, common rail high pressure, mechanical
Charger syste Output (kW/hr Specific powe Max. torque (if Specific torqu Mean effective max. power/m Average pisto Engine oil, ca Cooling capac Battery 12 V, Alternator 14	em: o CEE at 1/m or (kW/l; hp/l): Nm at 1/min): e (Nm/liter): e pressure at lax. torque (kl n speed (m/s pacity (l): city (l): capacity (Ah)	P a):):	2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation, diesel particulate filter turbo with intercooler 88/120 at 3500-4000 46.1; 62.8 280 at 2000-2750 146.6 1579.7/1843.0 10.5 4.3 7.5 70 1420
Transmiss Drive axle: Transmission, Gear ratios: Clutch, type:			front wheel drive 6-speed manual 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
Body Seats: Drag coefficie Frontal area (, Index (c "xA):	A in m²):		5 0.29* 2.18 0.63*
IDS Chas	sis		

IDS Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts

multi-link suspension, 3 transverse+1longitudinal arm, Wheel suspension rear:

coil springs, gas-filled shock absorbers

Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal ventilated disc. 285 Brakes front, diameter (mm): solid disc. 278 Brakes rear, diameter (mm): 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 (I) 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 (I), 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 - 5.8154 - 157

Euro 4

Maintenance

Emission class:

CO2 emission (g/km):

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: 82 Bore (mm): 90.4 Stroke (mm): 1910 Displacement (cc): 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: hvdraulic Fuel system: diesel direct injection, common rail high pressure, mechanical Fuel pump: 2-way cat, conv. (oxidizing catalytic Emission control system: converter), exhaust gas recirculation, diesel particulate filter turbo with intercooler Charger system: Output (kW/hp CEE at 1/min): 110/150 at 4000 Specific power (kW/I: hp/I): 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 (I): 4.3 Cooling capacity (I): 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 Drag coefficient (c_a): 0.29+ Frontal area (A in m2): 2.18 Index (c _xA): 0.63^{+}

IDS Chassis

Wheel suspension rear:

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, gas pre-loaded struts

multi-link suspension, 3 transverse+1longitudinal arm,

coil springs, gas-filled shock absorbers

Anti roll bar: front + rear

Brakes

Brake circuits: 2. diagonal ventilated disc. 285 Brakes front, diameter (mm): 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 (I) 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 (I), 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 - 7.7extra-urban: 4.8 - 4.9

total: 5.8 - 5.9

CO2 emission (g/km): 157 - 159 Euro 4

Maintenance

Emission class:

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: 82 Bore (mm): Stroke (mm): 90.4 1910 Displacement (cc): 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: hvdraulic

Fuel system: diesel direct injection, common rail Fuel pump: high pressure, mechanical 2-way cat. conv. (oxidizing catalytic Emission control system:

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/I: hp/I): 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 (I): 4.3 Cooling capacity (I): 7.5 Battery 12 V, capacity (Ah): 70

Transmission

Alternator 14.2 V. capacity (W):

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

1704

Body

Seats: Drag coefficient (c_): 0.29^{+} Frontal area (A in m2): 2.18 Index (c ..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 ventilated disc. 285 Brakes front, diameter (mm): 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 (I) 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 (I), 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

Vectra 2.0 Turbo 129kW/175hp 6-speed notchback 4 doors 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: 86 Bore (mm): 86 Stroke (mm): 1998 Displacement (cc): 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 electr. ignition map, ignition coil direct to spark plug lanition system: 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/I: hp/I): 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 (I): 6 7.5 Cooling capacity (I): 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 Clutch, type: dry single plate Body Seats: Drag coefficient (c_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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

standard equipment

standard equipment

standard equipment

ABS:

TC Plus:

ESP Plus:

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 (I) 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 (I), 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: 73

Fuel: unleaded premium

Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU.

Additional equipment can lead to increased

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

Vectra 2.2 DIRECT 114kW/155hp 6-speed notchback 4 doors

Model year: 2006 Date: 07/2005 Engine data Engine: 22 DIRECT ECOTEC Engine, location: front, transverse in front of axle, 10° backward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 86 Bore (mm): Stroke (mm): 94.6 2198 Displacement (cc): 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 electr. ignition map, ignition coil direct to spark plug lanition system: Fuel pump: electric, in tank; mecanical 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 (I): 5 7.2 Cooling capacity (I): 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: Drag coefficient (c_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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 front + rear Anti roll bar: **Brakes** Brake circuits: 2, diagonal

ventilated disc, 285

standard equipment

standard equipment

standard equipment

solid disc. 278

Brakes front, diameter (mm):

Brakes rear, diameter (mm):

ABS:

TC Plus:

ESP Plus:

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 (I) ECIE: 500-1050 Cargo-area length (mm): 1030 (max. 1774) 1016

Cargo-area width (mm): 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.-hvdr. 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 (I), 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):

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

7.5 - 7.6 total: 180 - 182

CO2 emission (g/km): 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

Vectra 2.2 DIRECT	114kW/155hp 5-speed autom. notchback 4 doors
Model year: Date:	2006 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; mecanical 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 (I):	5
Cooling capacity (I):	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 _s):	0.29⁺
Frontal area (A in m²):	2.18
Index (c _w xA):	0.63*
IDS Chassis	
	independent winkling or subfaces MaDia
Wheel suspension front:	independent, wishbone, on subframe, McPherson struts,
Wheel evenencies recr	gas pre-loaded struts
Wheel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm,
Anti roll bar:	coil springs, gas-filled shock absorbers front + rear
Brakes	
Brake circuits:	2, diagonal

ventilated disc, 285

standard equipment

standard equipment

standard equipment

solid disc, 278

Brakes front, diameter (mm):

Brakes rear, diameter (mm):

ABS:

TC Plus:

ESP Plus:

Weights and dimensions

Length (mm): 4611 1798 Width (mm): 1460 Height (mm): 2700 Wheelbase (mm): Overhang front/rear: 920/991 Track front/rear (mm): 1536/1525 Luggage capacity (I) 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 (I), 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

Measured according to EU guideline 99/100/EU. Fuel consumption (liter/100 km):

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

Vectra 2.8 169kW/230hp 6-speed notchback 4 doors Model year: 2006 Date: 07/2005 Engine data Engine: 2.8 FCOTEC Engine, location: front, transverse in front of axle, 2° backward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 89 Bore (mm): 74.8 Stroke (mm): 2792 Displacement (cc): 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 electr. ignition map, ignition coil direct to spark plug lanition system: 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 (I): 6 Cooling capacity (I): 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_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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 front + rear Anti roll bar: **Brakes** Brake circuits: 2, diagonal Brakes front, diameter (mm): ventilated disc, 314 Brakes rear, diameter (mm): solid disc. 292 ABS: standard equipment

standard equipment

standard equipment

TC Plus:

ESP Plus:

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 (I) 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 (I), 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 CO_2 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

Vectra 2.8 169kW/230hp 6-speed autom. notchback 4 doors

Model year: 2006 Date: 07/2005 Engine data Engine: 2.8 FCOTEC Engine, location: front, transverse in front of axle, 2° backward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 89 Bore (mm): 74.8 Stroke (mm): 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 lanition 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 (I): 6 Cooling capacity (I): 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: Drag coefficient (c): 0.29^{+} Frontal area (A in m2): 2.18 Index (c _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

standard equipment

standard equipment

TC Plus:

ESP Plus:

Weights and dimensions

Length (mm): 4611 Width (mm): 1798 1460 Height (mm): Wheelbase (mm): 2700 Overhang front/rear: 920/991 Track front/rear (mm): 1536/1525 Luggage capacity (I) 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.-hvdr. power steering, 15.2 380

Steering wheel outside diameter (mm):

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 (I), 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

Measured according to EU guideline 99/100/EU. Fuel consumption (liter/100 km):

Additional equipment can lead to increased

consumption and CO2 values. 17.1 - 17.2 urban:

extra-urban: 7.3 - 7.4 10.9 - 11.0 total:

CO₂ emission (g/km): 262 - 264 Emission class: Furo 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

Vectra 2.8 184kW/250hp 6-speed notchback 4 doors

Model year: 2006 Date: 07/2005 Engine data Engine: 2.8 FCOTEC ABS: Engine, location: front, transverse in front of axle, 2° backward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 89 Bore (mm): 74.8 Stroke (mm): 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 electr. ignition map, ignition coil direct to spark plug lanition system: Fuel pump: electric, in tank Emission control system: 3-way cat. conv. with 2 oxygen sensors Max. boost pressure (bar): 0.7 Steering, ratio: 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 (I): 6 Cooling capacity (I): 9.6 Battery 12 V, capacity (Ah): 66 Alternator 14.2 V, capacity (W): 2130 Transmission Drive axle: front wheel drive Fuel: 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 CO2 emission (g/km):

Body

Seats: Drag coefficient (c_): 0.29^{+} Frontal area (A in m2): 2.18 Index (c ..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 ventilated disc. 314 Brakes front, diameter (mm): solid disc. 292 Brakes rear, diameter (mm): 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 (I) 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

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 (I), 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

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.

15.4 - 15.5 urban: extra-urban: 7.3 - 7.4 total: 10.3 - 10.4

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

Vectra 2.8 184kW/250hp 6-speed autom. notchback 4 doors

Model year: 2006 Date: 07/2005 Engine data Engine: 2.8 FCOTEC Engine, location: front, transverse in front of axle, 2° backward inclined Cooling system: with liquid, sealed circuit Cylinders, number: 89 Bore (mm): 74.8 Stroke (mm): 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 electr. ignition map, ignition coil direct to spark plug lanition system: 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 (I): 6 Cooling capacity (I): 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 1st ratio: 4.15 2nd ratio: 2.37 3rd ratio: 1.56 Gear ratios: 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_a): 0.29^{+} Frontal area (A in m2): 2.18 0.63+ Index (c _xA): **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:

Brakes front, diameter (mm):

Brakes rear, diagonal

ventilated disc, 314

solid disc, 292

Standard equipment

Standard equipment

ESP Plus:

Standard equipment

Weights and dimensions

Length (mm): 4611 Width (mm): 1798 1460 Height (mm): Wheelbase (mm): 2700 Overhang front/rear: 920/991 Track front/rear (mm): 1536/1525 Luggage capacity (I) 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 (I), 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

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

Vectra	3.0 V6 CDTI 135	xW/184hp 6-speed notchback 4 doors
Model year: Date:		2006 07/2005
Engine da	ata	
Engine:		3.0 V6 CDTI ECOTEC
Engine, locati	on:	front, transverse in front of axle, 1° forward inclined
Cooling syste		with liquid, sealed circuit
		·
Cylinders, nur	nber.	6 87.5
Bore (mm):		
Stroke (mm):		82
Displacement		2958
Compression	ratio:	18.5:1
Engine, type:		v 66°; 4 main bearings
	head, material:	aluminum/aluminum
Camshaft(s),	location:	4 overhead (DOHC), gear/toothed belt
Valve train:		direct, bucket tappets
Valve, arrange	ement:	v; 4 per cylinder
Valve adjustm	nent:	mecanical
Fuel system:		diesel direct injection, common rail
Fuel pump:		high pressure, mechanical
Emission con	trol system:	2-way cat. conv. (oxidizing catalytic
		converter), exhaust gas recirculation, diesel
		particulate filter
Charger syste	em:	turbo with intercooler
	essure (bar at 1/min):	1.2 at 4.000
	p CEE at 1/min):	135/184 at 4000
Specific power		45.6; 62.2
Max. torque (I		400 at 1900-2700
Specific torqu		135.2
Mean effective		100.2
	nax. torque (kPa):	1369.2/1700.1
	on speed (m/s):	10.9
Engine oil, ca		7.5
Cooling capac		7.3 7.1
	capacity (Ah):	120
		1988
Alternator 14.	2 V, capacity (W):	1900
Transmis	sion	
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
Rody		
Body		
Seats:		5
Drag coefficie		0.29 ⁺
Frontal area (2.18
Index (c wxA):		0.63 ⁺
IDS Chas		
Wheel susper	nsion front:	independent wishbone on subframe McPherson struts

Wheel suspension front: independent, wishbone, on subframe, McPherson struts,

gas pre-loaded struts

multi-link suspension, 3 transverse+1longitudinal arm, Wheel suspension rear:

coil springs, gas-filled shock absorbers

Anti roll bar: front + rear

Brakes

Brake circuits: 2, diagonal ventilated disc. 314 Brakes front, diameter (mm): solid disc. 292 Brakes rear, diameter (mm): 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 (I) 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 (I), 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 CO2 values. 9.8 - 9.9 urban:

extra-urban: 5.2 - 5.3

total: 6.9 - 7.0

186 - 189 Euro 4

Maintenance

Emission class:

CO2 emission (g/km):

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