

Vectra Station Wagon 1.8 90kW/122hp 5-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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: 3.94
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.23
Index ($c_w \times A$): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 240 km/h category V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1475/2030/555
Power to weight ratio (kg/kW; kg/hp)(empty): 16.4; 12.1
Max. axle load front/rear (kg): 950/1100
Trailer load braked/unbraked (kg): 1300/735
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 199
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 15.7
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: 11 - 11.1
extra-urban: 6.1 - 6.2
total: 7.9 - 8.0
CO₂ emission (g/km): 190 - 192
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 Station Wagon 1.9 CDTI 74kW/100hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 210 km/h category H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1585/2140/555
Power to weight ratio (kg/kW; kg/hp)(empty): 21.4; 15.9
Max. axle load front/rear (kg): 1070/1100
Trailer load braked/unbraked (kg): 1400/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 182
Acceleration 0-100 km/h (sec)*: 13.9
Acc. 80-120 km/h in 5th gear (sec)*: 14.8
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.
urban: 7.6 - 7.7
extra-urban: 4.9 - 5.0
total: 5.9 - 6.0

CO₂ emission (g/km): 159 - 162
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 Station Wagon 1.9 CDTI 88kW/120hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 210 km/h category H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1585/2140/555
Power to weight ratio (kg/kW; kg/hp)(empty): 18.0; 13.2
Max. axle load front/rear (kg): 1070/1100
Trailer load braked/unbraked (kg): 1500/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 195
Acceleration 0-100 km/h (sec)*: 11.9
Acc. 80-120 km/h in 5th gear (sec)*: 13.4
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6 - 7.7
extra-urban: 4.9 - 5.0
total: 5.9 - 6.0
CO₂ emission (g/km): 159 - 162
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 Station Wagon 1.9 CDTI 110kW/150hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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: 3.54
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 210 km/h category H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1600/2155/555
Power to weight ratio (kg/kW; kg/hp)(empty): 14.5; 10.7
Max. axle load front/rear (kg): 1085/1100
Trailer load braked/unbraked (kg): 1500/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 210
Acceleration 0-100 km/h (sec)*: 10.3
Acc. 80-120 km/h in 5th gear (sec)*: 10.4
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU.
Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6 - 7.7
extra-urban: 4.9 - 5.0
total: 5.9 - 6.0
CO₂ emission (g/km): 159 - 162
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 Station Wagon 1.9 CDTI 110kW/150hp 6-speed autom. station wagon 5 doors

Model year: 2006
Date: 09/2005

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): 0.32*
Frontal area (A in m²): 2.23
Index ($c_w \times A$): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx15/195/65 R15 up to 210 km/h category H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1613/2180/567
Power to weight ratio (kg/kW; kg/hp)(empty): 14.7; 10.8
Max. axle load front/rear (kg): 1110/1100
Trailer load braked/unbraked (kg): 1500/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 208
Acceleration 0-100 km/h (sec)*: 10.5
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: 9.6 - 9.7
extra-urban: 5.5 - 5.6
total: 7.0 - 7.1
CO₂ emission (g/km): 189 - 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

Vectra Station Wagon 2.0 Turbo 129kW/175hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1570/2125/555
Power to weight ratio (kg/kW; kg/hp)(empty): 12.2; 9.0
Max. axle load front/rear (kg): 1040/1100
Trailer load braked/unbraked (kg): 1700/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 224
Acceleration 0-100 km/h (sec)*: 9.4
Acc. 80-120 km/h in 5th gear (sec)*: 10
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: 12.7 - 12.8
extra-urban: 6.5 - 6.6
total: 8.8 - 8.9
CO₂ emission (g/km): 211 - 214
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 Station Wagon 2.2 DIRECT 114kW/155hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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: 3.83
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.32*
Frontal area (A in m²): 2.23
Index (c_{wxA}): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1503/2085/582
Power to weight ratio (kg/kW; kg/hp)(empty): 13.2; 9.7
Max. axle load front/rear (kg): 1000/1100
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 210
Acceleration 0-100 km/h (sec)*: 9.6
Acc. 80-120 km/h in 5th gear (sec)*: 13.3
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: 10.6 - 10.7
extra-urban: 6.2 - 6.3
total: 7.8 - 7.9
CO₂ emission (g/km): 187 - 190
Emission class: Euro 4

Maintenance

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

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Vectra Station Wagon 2.2 DIRECT 114kW/155hp 5-speed autom. station wagon 5 doors

Model year: 2006
Date: 09/2005

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): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 H
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1553/2115/562
Power to weight ratio (kg/kW; kg/hp)(empty): 13.6; 10.0
Max. axle load front/rear (kg): 1030/1100
Trailer load braked/unbraked (kg): 1600/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 208
Acceleration 0-100 km/h (sec)*: 10.8
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: 11.5 - 11.6
extra-urban: 6.3 - 6.4
total: 8.2 - 8.3
CO₂ emission (g/km): 197 - 199
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 Station Wagon 2.8 169kW/230hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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): 0.32*
Frontal area (A in m²): 2.23
Index ($c_w \times A$): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1613/2190/577
Power to weight ratio (kg/kW; kg/hp)(empty): 9.5; 7.0
Max. axle load front/rear (kg): 1105/1100
Trailer load braked/unbraked (kg): 1800/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 245
Acceleration 0-100 km/h (sec)*: 7.5
Acc. 80-120 km/h in 5th gear (sec)*: 8.4
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: 15.5 - 15.6
extra-urban: 7.4 - 7.5
total: 10.4 - 10.5
CO₂ emission (g/km): 250 - 252
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: 09/2005

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: 3.20

Body

Seats: 5
Drag coefficient (c_d): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1638/2215/577
Power to weight ratio (kg/kW; kg/hp)(empty): 9.7; 7.1
Max. axle load front/rear (kg): 1130/1100
Trailer load braked/unbraked (kg): 1800/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 245
Acceleration 0-100 km/h (sec)*: 7.9
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: 17.4 - 17.5
extra-urban: 7.6 - 7.7
total: 11.2 - 11.3
CO₂ emission (g/km): 269 - 271
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 Station Wagon 2.8 184kW/250hp 6-speed station wagon 5 doors

Model year:	2006
Date:	09/2005
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):	0.32*
Frontal area (A in m ²):	2.23
Index (c _w xA):	0.71*
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):	4839
Width (mm):	1798
Height (mm):	1500
Wheelbase (mm):	2830
Overhang front/rear:	920/1089
Track front/rear (mm):	1536/1525
Cargo-area volume (m ³) ECIE:	530-1850
Cargo-area length (mm):	1175 (max. 2046)
Cargo-area width (mm):	1060 (max. 1079)
Cargo-area height (mm):	841
Rim width (inch)(mm)/tire size:	6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m):	11.90/11.15
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):	1613/2190/577
Power to weight ratio (kg/kW; kg/hp)(empty):	8.8; 6.5
Max. axle load front/rear (kg):	1105/1100
Trailer load braked/unbraked (kg):	1800/750
Trailer hook weight/roof load (kg):	85/75
Fuel tank capacity (l), location:	60, under rear seats

Performance

Top speed (km/h)*:	250
Acceleration 0-100 km/h (sec)*:	7.1
Acc. 80-120 km/h in 5th gear (sec)*:	7.9
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: 15.5 - 15.6 extra-urban: 7.4 - 7.5 total: 10.4 - 10.5
CO ₂ emission (g/km):	250 - 252
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: 09/2005

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: 3.20

Body

Seats: 5
Drag coefficient (c_D): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1638/2215/577
Power to weight ratio (kg/kW; kg/hp)(empty): 8.9; 6.6
Max. axle load front/rear (kg): 1130/1100
Trailer load braked/unbraked (kg): 1800/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 250
Acceleration 0-100 km/h (sec)*: 7.5
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: 17.4 - 17.5
extra-urban: 7.6 - 7.7
total: 11.2 - 11.3
CO₂ emission (g/km): 269 - 271
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 Station Wagon OPC 2.8 188kW/255hp 6-speed station wagon 5 doors

Model year:	2006
Date:	10/2005
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):	188/255 at 5500
Specific power (kW/l; hp/l):	67.3; 91.3
Max. torque (Nm at 1/min):	355 at 1800
Specific torque (Nm/liter):	127.1
Mean effective pressure at max. power/max. torque (kPa):	1469.1/1623.7
Average piston speed (m/s):	13.7
Engine oil, capacity (l):	6
Cooling capacity (l):	9.6
Battery 12 V, capacity (Ah):	70
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: 3.54
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _d):	0.32*
Frontal area (A in m ²):	2.23
Index (c _w xA):	0.71*

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, 345
Brakes rear, diameter (mm):	ventilated disc, 292
ABS:	standard equipment
TC Plus:	standard equipment
ESP Plus:	standard equipment

Weights and dimensions

Length (mm):	4870
Width (mm):	1798
Height (mm):	1487
Wheelbase (mm):	2830
Overhang front/rear:	944/1096
Track front/rear (mm):	1536/1525
Cargo-area volume (m ³) ECIE:	530-1850
Cargo-area length (mm):	1175 (max. 2046)
Cargo-area width (mm):	1060 (max. 1079)
Cargo-area height (mm):	841
Rim width (inch)(mm)/tire size:	8Jx18/235/40 R18-95W
Turning clearance circle/turning circle (m):	12.40/11.68
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):	1613/2190/577
Power to weight ratio (kg/kW; kg/hp)(empty):	8.6; 6.3
Max. axle load front/rear (kg):	1105/1100
Trailer load braked/unbraked (kg):	1800/750
Trailer hook weight/roof load (kg):	85/75
Fuel tank capacity (l), location:	60, under rear seats

Performance

Top speed (km/h)*:	254
Acceleration 0-100 km/h (sec)*:	6.9
Acc. 80-120 km/h in 5th gear (sec)*:	7.7
Pass-by noise (dBA):	75
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: 15.6
	extra-urban: 7.5
	total: 10.5
CO ₂ emission (g/km):	252
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 Station Wagon 3.0 V6 CDTI 135kW/184hp 6-speed station wagon 5 doors

Model year: 2006
Date: 09/2005

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:

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): 0.32*
Frontal area (A in m²): 2.23
Index (c_wxA): 0.71*

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): 4839
Width (mm): 1798
Height (mm): 1500
Wheelbase (mm): 2830
Overhang front/rear: 920/1089
Track front/rear (mm): 1536/1525
Cargo-area volume (m³) ECIE: 530-1850
Cargo-area length (mm): 1175 (max. 2046)
Cargo-area width (mm): 1060 (max. 1079)
Cargo-area height (mm): 841
Rim width (inch)(mm)/tire size: 6.5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m): 11.90/11.15
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): 1685/2240/555
Power to weight ratio (kg/kW; kg/hp)(empty): 12.5; 9.2
Max. axle load front/rear (kg): 111/1100
Trailer load braked/unbraked (kg): 1800/750
Trailer hook weight/roof load (kg): 85/75
Fuel tank capacity (l), location: 60, under rear seats

Performance

Top speed (km/h)*: 225
Acceleration 0-100 km/h (sec)*: 9.1
Acc. 80-120 km/h in 5th gear (sec)*: 9.1
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: 9.8 - 9.9
extra-urban: 5.2 - 5.3
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