Vectra 1.6 74kW/100hp 5-speed notchback 4 doors

Model year:	2005 ½	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	1.6 ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	4	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 240 km/h category V
Bore (mm):	79	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	81.5	Steer, wheel turns lock/lock:	2.75
Displacement (cc):	1598	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	10.5:1	Steering wheel outside diameter (mm):	385
Engine, type:	in line; 5 main bearings	Kerb weight/max. allowable weight/additional load (k	
Cylinder block/head, material:	cast iron/aluminum	Power to weight ratio (kg/kW; kg/hp)(empty):	18.4; 13.6
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Max. axle load front/rear (kg):	915/960
Valve train:	hydraulic bucket tappets	Trailer load braked/unbraked (kg):	1300/680
Valve, arrangement:	v; 4 per cylinder	Trailer hook weight/roof load (kg):	78/100
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	61, under rear seats
Fuel system:	sequential multi point fuel injection	Fuer lark capacity (I), location.	or, under real seals
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric. in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	192
Output (kW/hp CEE at 1/min):	74/100 at 6000	Acceleration 0-100 km/h (sec)*:	12.5
Specific power (kW/l; hp/l):	46.3; 62.6	Acc. 80-120 km/h in 5th gear (sec)*:	16
Max. torque (Nm at 1/min):	40.3, 02.0 150 at 3600	Pass-by noise (dBA):	73
		Fuel:	unleaded premium
Specific torque (Nm/liter): Mean effective pressure at	93.9	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
	000 0/4400 4		Additional equipment can lead to increased
max. power/max. torque (kPa):	926.2/1180.1		consumption and CO_2 values.
Average piston speed (m/s):	16.3		urban: 9.9 - 10.0
Engine oil, capacity (I):	3.5		extra-urban: 5.6 - 5.7
Cooling capacity (I):	6.1		total: 7.2 - 7.3
Battery 12 V, capacity (Ah):	55	CO ₂ emission (g/km):	173 - 175
Alternator 14.2 V, capacity (W):	1704	Emission class:	Euro 4
		LITIISSION CIASS.	Edio 4
Transmission		Maintononaa	
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	manual	Service intervals:	Service check every 24 months or after up to 30,000 km
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	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
Oldien, type.	dry single plate	Specifications may differ outside Germany	
Dealer			
Body			
Seats:	5		
Drag coefficient (c _p):	0.28+		
Frontal area (A in m2):	2.18		
Index (c "xA):	0.61*		
· w '			
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	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		

Vectra 1.8 90kW/122hp 5-speed notchback 4 doors

Model year:	2005 1/2	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
ngine data		Width (mm):	1798
-		Height (mm):	1460
ngine:	1.8 ECOTEC	Wheelbase (mm):	2700
ngine, location:	front, transverse in front of axle, 7° 50' forward inclined	Track front/rear (mm):	1536/1525
ooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
vlinders, number:	4	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 240 km/h category V
ore (mm):	80.5	Turning clearance circle/turning circle (m):	11.50/10.76
troke (mm):	88.2	Steer. wheel turns lock/lock:	2.75
isplacement (cc):	1796		electrhydr. power steering, 15.2
ompression ratio:	10.5:1	Steering, ratio:	
ngine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	385
		Kerb weight/max. allowable weight/additional load (kg	
vlinder block/head, material:	cast iron/aluminum	Power to weight ratio (kg/kW; kg/hp)(empty):	15.5; 11.4
amshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Max. axle load front/rear (kg):	950/960
alve train:	hydraulic bucket tappets	Trailer load braked/unbraked (kg):	1300/685
alve, arrangement:	v; 4 per cylinder	Trailer hook weight/roof load (kg):	78/100
alve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	61, under rear seats
uel system:	sequential multi point fuel injection		
nition system:	electr. ignition map, ignition coil direct to spark plug	Performance	
uel pump:	electric, in tank		
mission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	205
utput (kW/hp CEE at 1/min):	90/122 at 6000	Acceleration 0-100 km/h (sec)*:	11.2
pecific power (kW/l; hp/l):	50.1; 67.9	Acc. 80-120 km/h in 5th gear (sec)*:	15.5
ax. torque (Nm at 1/min):	167 at 3800	Pass-by noise (dBA):	72
pecific torque (Nm/liter):	93.0	Fuel:	unleaded premium 95 RON
ean effective pressure at	55.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
	1002.2/1169.0	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
ax. power/max. torque (kPa):			consumption and CO_2 values.
verage piston speed (m/s):	17.6		urban: 10.7 - 10.8
ngine oil, capacity (l):	4.25		extra-urban: 5.8 - 5.9
ooling capacity (I):	5.5		total: 7.6 - 7.7
attery 12 V, capacity (Ah):	55		
Iternator 14.2 V, capacity (W):	1704	CO ₂ emission (g/km):	182 - 185
		Emission class:	Euro 4
Fransmission		Maintananaa	
Drive axle:	front wheel drive	Maintenance	
ransmission, type:	manual	Service intervals:	Service check every 24 months or after up to 30,000 ki
ear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41		
	4th ratio: 1.12 5th ratio: 0.89		
		* Basic model	
	reverse ratio: 3.31 final drive ratio: 3.74	* Kerb weight (70156 EEC) and 125 kg payload	
lutch, type:	dry single plate	Specifications may differ outside Germany	
		Specifications may unler outside Germany	
ody			
eats:	5		
	5 0.28 ⁺		
rag coefficient (C_{D}):			
ontal area (A in m ²):	2.18		
dex (c _w xA):	0.61*		
DS chassis			
/heel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts		
/heel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm,		
nti roll bar:	coil springs, gas-filled shock absorbers front + rear		
rakaa			
rakes			
rake circuits:	2, diagonal		
rakes front, diameter (mm):	ventilated disc, 285		
akes rear, diameter (mm):	solid disc, 278		
BS:	standard equipment		
C Plus:	standard equipment		
SP Plus:	standard equipment		

Vectra 1.9 CDTI 88kW/120hp 6-speed notchback 4 doors

_	•		
Model year:	2005 ½	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
		Width (mm):	1798
Engine data		Height (mm):	1460
Engine, location:	front, transverse in front of axle, 17° 24' forward inclined	Wheelbase (mm):	2700
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1536/1525
Cylinders, number:	4	Hack Honviear (mm).	500-1050
Bore (mm):	82	Luggage capacity (I) ECIE:	
Stroke (mm):	90.4	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 H
	90.4 1910	Turning clearance circle/turning circle (m):	11.50/10.76
Displacement (cc):		Steer. wheel turns lock/lock:	2.75
Compression ratio:	18:1	Steering, ratio:	electrhydr. power steering, 15.2
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	385
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	1 overhead (OHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	17.3; 12.7
Valve train:	direct, bucket tappets	Max. axle load front/rear (kg):	1070/960
Valve, arrangement:	in line; 2 per cylinder	Trailer load braked/unbraked (kg):	1500/750
Valve adjustment:	mechanical	Trailer hook weight/roof load (kg):	78/100
Fuel system:	diesel direct injection, common rail	Fuel tank capacity (I), location:	61, under rear seats
Fuel pump:	high pressure, mechanic		
Emission control system:	2-way cat. conv. (oxidizing catalytic converter),	Performance	
	exhaust gas recirculation, DPF		
Charger system:	turbo with intercooler	Top speed (km/h)*:	200
Output (kW/hp CEE at 1/min):	88/120 at 3500	Acceleration 0-100 km/h (sec)*:	11.5
Specific power (kW/l; hp/l):	46.1; 62.8	Acc. 80-120 km/h in 5th gear (sec)*:	12.1
Max. torque (Nm at 1/min):	280 at 2000	Pass-by noise (dBA):	72 (with DPF)
Specific torque (Nm/liter):	146.6	Fuel:	Diesel
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1579.7/1843.0		Additional equipment can lead to increased
Average piston speed (m/s):	10.5		consumption and CO_2 values.
Engine oil, capacity (I):	4.3		urban: 7.4 - 7.5
Cooling capacity (I):	7.5		extra-urban: 4.7 - 4.8
Battery 12 V, capacity (Ah):	70		total: 5.7 - 5.8
Alternator 14.2 V, capacity (W):	1420	CO ₂ emission (g/km):	154 - 157
		Emíssion class:	Euro 4
Transmission		Maintananaa	
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	6-speed manual	Service intervals:	Service check every 24 months or after up to 50,000 km
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.32		
Coal Tallos.	4th ratio: 0.95 5th ratio: 0.76 6th ratio: 0.62		
	reverse ratio: 3.54 final drive ratio: 3.35		
Clutch, type:	dry single plate		
Oldien, type.	di y siligie plate	* Basic model	
		* Kerb weight (70156 EEC) and 125 kg payload	
Body		Specifications may differ outside Germany	
Seats:	5		
Drag coefficient (c,):	0.28+		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
、 w 、			
IDS chassis			
	independent McDherson strute wishhans, on subframe		
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
14/1 1	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm,		
A	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		

Vectra 1.9 CDTI 110kW/150hp 6-speed notchback 4 doors

Model year:	2005 1/2	Weights and dimensions	
Date:	01/2005	Lenath (mm):	4596
E sulta sulta (s		Width (mm):	1798
Engine data		Height (mm):	1460
Engine, location:	front, transverse in front of axle, 17° 24' forward inclined	Wheelbase (mm):	2700
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1536/1525
Cylinders, number:	4	Luggage capacity (I) ECIE:	500-1050
Bore (mm):	82	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 H
Stroke (mm):	90.4	Turning clearance circle/turning circle (m):	11.50/10.76
Displacement (cc):	1910	Steer. wheel turns lock/lock:	2.75
Compression ratio:	17.5:1	Steering, ratio:	electrhydr. power steering, 15.2
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	385
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	13.8: 10.2
Valve train:	indirect, roller cam followers	Max. axle load front/rear (kg):	1080/960
Valve, arrangement:	in line; 4 per cylinder	Trailer load braked/unbraked (kg):	1600/750
Valve adjustment:	hydraulic	Trailer hook weight/roof load (kg):	78/100
Fuel system:	diesel direct injection, common rail	Fuel tank capacity (I), location:	61, under rear seats
Fuel pump:	high pressure, mechanic	r der tank odpabity (i), iocation.	
Emission control system:	2-way cat. conv. (oxidizing catalytic converter),	Derfermenee	
	exhaust gas recirculation, DPF	Performance	
Charger system:	turbo with intercooler	Top speed (km/h)*:	217
Output (kW/hp CEE at 1/min):	110/150 at 4000	Acceleration 0-100 km/h (sec)*:	9.8
Specific power (kW/l; hp/l):	57.6: 78.5	Acc. 80-120 km/h in 5th gear (sec)*:	9.5
Max. torque (Nm at 1/min):	320 at 2000	Pass-by noise (dBA):	72 (with DPF)
Specific torque (Nm/liter):	164.9	Fuel:	Diesel
Mean effective pressure at	101.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1727.7/2073.4		Additional equipment can lead to increased
Average piston speed (m/s):	12.1		consumption and CO ₂ values.
Engine oil, capacity (I):	4.3		urban: 7.5 - 7.6
Cooling capacity (I):	7.5		extra-urban: 4.8 - 4.9
Battery 12 V, capacity (Ah):	70		total: 5.8 - 5.9
Alternator 14.2 V, capacity (W):	1420	CO ₂ emission (g/km):	157 - 159
	1420	Emission class:	Euro 4
Transmission			
Drive axle:	front wheel drive	Maintenance	
Transmission, type:	6-speed manual	Service intervals:	Service check every 24 months or after up to 50,000 km
Gear ratios:	1st ratio: 3.77 2nd ratio: 2.04 3rd ratio: 1.32		
Ceal latos.	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		
Ciulon, type.	di y siligie plate	* Basic model	
D. I		* Kerb weight (70156 EEC) and 125 kg payload	
Body		Specifications may differ outside Germany	
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
wheel suspension none.	gas pre-loaded struts		
Wheel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm,		
wheel suspension real.	coil springs, gas-filled shock absorbers		
Anti roll bar:	front + rear		
Anti foil bar:	from + real		
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		

Vectra 1.9 CDTI 110kW/150hp 6-speed autom. notchback 4 doors

Model year:	2005 1/2	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
		Width (mm):	1798
Engine data		Height (mm):	1460
Engine, location:	front, transverse in front of axle, 17° 24' forward inclined	Wheelbase (mm):	2700
Cooling system:	with liquid, sealed circuit	Track front/rear (mm):	1536/1525
Cylinders, number:	4	Luggage capacity (I) ECIE:	500-1050
Bore (mm):	82	Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 H
Stroke (mm):	90.4	Turning clearance circle/turning circle (m):	11.50/10.76
Displacement (cc):	1910	Steer. wheel turns lock/lock:	2.75
Compression ratio:	17.5:1	Steering, ratio:	electrhydr. power steering, 15.2
Engine, type:	in line; 5 main bearings	Steering wheel outside diameter (mm):	385
Cylinder block/head, material:	cast iron/aluminum	Kerb weight/max. allowable weight/additional load (kg)	
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt	Power to weight ratio (kg/kW; kg/hp)(empty):	14.1; 10.3
Valve train:	indirect, roller cam followers	Max. axle load front/rear (kg):	1080/960
Valve, arrangement:	in line; 4 per cylinder	Trailer load braked/unbraked (kg):	1600/750
Valve adjustment:	hydraulic	Trailer hook weight/roof load (kg):	78/100
Fuel system:	diesel direct injection, common rail	Fuel tank capacity (I), location:	61, under rear seats
Fuel pump:	high pressure, mechanic 2-way cat. conv. (oxidizing catalytic		
Emission control system:	converter), exhaust gas recirculation	Performance	
Charger system:	turbo with intercooler, with DPF	Top speed (km/h)*:	210
Output (kW/hp CEE at 1/min):	110/150 at 4000	Acceleration 0-100 km/h (sec)*:	10
Specific power (kW/l; hp/l):	57.6; 78.5	Pass-by noise (dBA):	70
Max. torque (Nm at 1/min):	320 at 2000	Fuel:	Diesel
Specific torque (Nm/liter):	167.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at	101.0		Additional equipment can lead to increased
max. power/max. torque (kPa):	1727.7/2106.3		consumption and CO ₂ values.
Average piston speed (m/s):	12.1		urban: 9.5 - 9.6
Engine oil, capacity (I):	4.3		extra-urban: 5.4 - 5.5
Cooling capacity (I):	7.5		total: 6.9 - 7.0
Battery 12 V, capacity (Ah):	70	CO ₂ emission (g/km):	186 - 189
Alternator 14.2 V, capacity (W):	1420	Emission class:	Euro 4
Transmission		Maintenance	
Drive axle:	front wheel drive	Service intervals:	Service check every 24 months or after up to 50,000 km
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	* Basic model	
	reverse ratio: 3.39 final drive ratio: 2.67	* Kerb weight (70156 EEC) and 125 kg payload	
		Specifications may differ outside Germany	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
	0.01		
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel suspension rear:	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		
Brakes front, diameter (mm):	ventilated disc, 285		
Brakes rear, diameter (mm):	solid disc, 278		
ABS: TC Plus:	standard equipment standard equipment		
ESP Plus:	standard equipment		
Loi rius.	Standard oquipment		

Vectra 2.0 DTI 74kW/100hp 5-speed notchback 4 doors

Model year: Date:

Engine data

Engine: Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head, material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Charger system: Max. boost pressure (bar): Output (kW/hp CEE at 1/min): Specific power (kW/I: hp/I): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):

Transmission

Drive axle: Transmission, type: Gear ratios:

Clutch, type:

Body

Seats: Drag coefficient ($c_{_D}$): Frontal area (A in m²): Index ($c_{_w}xA$):

IDS chassis

Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

2005 ½ 01/2005
2.0 DTI ECOTEC front, transverse in front of axle, 7° 50' with liquid, sealed circuit 4 84 90 1995
18.5:1 in line; 5 main bearings cast iron/aluminum 1 overhead (SOHC), driven by double bush chain hydraulic bucket tappets parallel; 4 per cylinder automatic - hydraulic diesel direct injection
mechanical 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler 1.0 74/100 at 4000 37.1; 50.1 230 at 1500 115.3
1112.8/1449.4 12 5.5 7.3 70 1988

front wheel drive manual 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19 4th ratio: 0.85 5th ratio: 0.69 reverse ratio: 3.38 final drive ratio: 3.74 dry single plate

5 0.28⁺ 2.18 0.61⁺

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

Brakes

Brancoo	
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):	4596
Width (mm):	1798
Height (mm):	1460
Wheelbase (mm):	2700
Track front/rear (mm):	1536/1525
Luggage capacity (I) ECIE:	500-1050
Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 210 km/h category H
Turning clearance circle/turning circle (m):	11.50/10.76
Steer. wheel turns lock/lock:	2.75
Steering, ratio:	electrhydr. power steering, 15.2
Steering wheel outside diameter (mm):	385
Kerb weight/max. allowable weight/additional load (kg):	1510/1985/475
Power to weight ratio (kg/kW; kg/hp)(empty):	20.4; 15.1
Max. axle load front/rear (kg):	1060/960
Trailer load braked/unbraked (kg):	1500/745
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)*:	13
Acc. 80-120 km/h in 5th gear (sec)*:	14.8
Pass-by noise (dBA):	73
Fuel:	Diese
Fuel consumption (liter/100 km):	Meas
	Addit

 $\begin{array}{c} 13\\ 14.8\\ 73\\ Diesel\\ Measured according to EU guideline 99/100/EU.\\ Additional equipment can lead to increased\\ consumption and CO_2 values.\\ urban: 7.6 - 7.7\\ extra-urban: 4.5 - 4.6\\ total: 5.6 - 5.7\\ 151 - 154\\ Euro 3\\ \end{array}$

CO₂ emission (g/km): Emission class:

Maintenance

Service intervals:

Service check every 24 months or after up to 50,000 km

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

Vectra 2.0 Turbo 129kW/175hp 6-speed notchback 4 doors

Model year:	2005 ½	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	2.0 Turbo ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 10° backward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	4	Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 V
Bore (mm):	86	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	86	Steer. wheel turns lock/lock:	2.75
Displacement (cc):	1998	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	9.5:1	Steering wheel outside diameter (mm):	385
Engine, type:	in line; 5 main bearings	Kerb weight/max. allowable weight/additional load (kg	
Cylinder block/head, material: Camshaft(s), location:	aluminum/aluminum 2 overhead (DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	11.7; 8.6
Valve train:	roller rocker with hydraulic bucket tappets	Max. axle load front/rear (kg):	1040/960
Valve, arrangement:	v; 4 per cylinder	Trailer load braked/unbraked (kg):	1600/730 78/100
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg):	
Fuel system:	sequential multi point fuel injection	Fuel tank capacity (I), location:	61, under rear seats
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Deutennesse	
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	230
Output (kW/hp CEE at 1/min):	129/175 at 5500	Acceleration 0-100 km/h (sec)*:	9.1
Specific power (kW/l; hp/l):	64.6; 87.6	Acc. 80-120 km/h in 5th gear (sec)*:	9.2
Max. torque (Nm at 1/min):	265 at 2500	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	132.6	Fuel:	unleaded premium
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1408.7/1667.5		Additional equipment can lead to increased
Average piston speed (m/s):	15.8		consumption and CO_2 values.
Engine oil, capacity (I):	6		urban: 12.8 - 12.9 extra-urban: 6.6 - 6.7
Cooling capacity (I):	7.5		total: 8.9 - 9.0
Battery 12 V, capacity (Ah):	66	CO ₂ emission (g/km):	214 - 216
Alternator 14.2 V, capacity (W):	1704	Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive	Service intervals:	Service check every 24 months or after up to 30,000 km
Transmission, type:	6-speed manual	Service Intervals.	Service check every 24 months of alter up to 50,000 km
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	* Basic model	
Clutch, type:	reverse ratio: 3.54 final drive ratio: 3.95	* Kerb weight (70156 EEC) and 125 kg payload	
Ciuicii, type.	dry single plate	Specifications may differ outside Germany	
Dedu			
Body			
Seats:	5		
Drag coefficient (c_{D}):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
•	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		
Drokes			
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 302		
Brakes rear, diameter (mm):	ventilated disc, 292		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP Plus:	standard equipment		

Vectra 2.2 DTI 92kW/125hp 5-speed notchback 4 doors

Model year: Date:

Engine data

Engine: Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head, material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Charger system: Max. boost pressure (bar): Output (kW/hp CEE at 1/min): Specific power (kW/I: hp/I): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):

Transmission

Drive axle: Transmission, type: Gear ratios:

Clutch, type:

Body

Seats: Drag coefficient (c_{D}): Frontal area (A in m²): Index (c_{W} XA):

IDS chassis

Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

2005 1/2 01/2005 2 2 DTI ECOTEC front, transverse in front of axle, 7° 50' forward inclined with liquid, sealed circuit 4 . 84 98 2172 18.5:1 in line; 5 main bearings cast iron/aluminum 1 overhead (SOHC), driven by double bush chain hydraulic bucket tappets parallel: 4 per cylinder automatic - hvdraulic diesel direct injection mechanical 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler 1.1 92/125 at 4000 42.4: 57.6 280 at 1500 128.9 1270.7/1620.7 13.1 5.5 7.6 70 1988

front wheel drive manual 1st ratio: 3.58 2nd ratio: 1.88 3rd ratio: 1.18 4th ratio: 0.89 5th ratio: 0.66 reverse ratio: 3.43 final drive ratio: 3.61 dry single plate

5 0.28⁺ 2.18 0.61⁺

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

Brakes

```
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 285Brakes rear, diameter (mm):solid disc, 278ABS:standard equipmentTC Plus:standard equipmentESP Plus:standard equipment
```

Weights and dimensions

Length (mm):	4596
Width (mm):	1798
Height (mm):	1460
Wheelbase (mm):	2700
Track front/rear (mm):	1536/1525
Luggage capacity (I) ECIE:	500-1050
Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 210 km/h category H
Turning clearance circle/turning circle (m):	11.50/10.76
Steer. wheel turns lock/lock:	2.75
Steering, ratio:	electrhydr. power steering, 15.2
Steering wheel outside diameter (mm):	385
Kerb weight/max. allowable weight/additional load (kg):	1525/2000/475
Power to weight ratio (kg/kW; kg/hp)(empty):	16.6; 12.2
Max. axle load front/rear (kg):	1075/960
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)*:	206
Acceleration 0-100 km/h (sec)*:	10.8
Acc. 80-120 km/h in 5th gear (sec)*:	12.5
Pass-by noise (dBA):	74
Fuel:	Diesel
Fuel consumption (liter/100 km):	Measur
	Additior

 $10.8 \\ 12.5 \\ 74 \\ Diesel \\ Measured according to EU guideline 99/100/EU. \\ Additional equipment can lead to increased \\ consumption and CO_2 values. \\ urban: 8.2 - 8.3 \\ extra-urban: 4.7 - 4.8 \\ total: 6.0 - 6.1 \\ 162 - 165 \\ Euro 3 \\$

CO₂ emission (g/km): Emission class:

Maintenance

Service intervals:

Service check every 24 months or after up to 50,000 km

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

Vectra 2.2 DTI 92kW/125hp 5-speed autom. notchback 4 doors

Model	year:
Date:	

Engine data

Engine: Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head, material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Charger system: Max. boost pressure (bar): Output (kW/hp CEE at 1/min): Specific power (kW/I: hp/I): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):

Transmission

Drive axle: Transmission, type: Gear ratios:

Body

Seats: Drag coefficient ($c_{_D}$): Frontal area (A in m²): Index ($c_{_W}$ XA):

IDS chassis

Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

2005 ½ 01/2005
2.2 DTI ECOTEC front, transverse in front of axle, 7° 50' forward inclined with liquid, sealed circuit 4 84 98 2172 18.5:1 in line; 5 main bearings cast iron/aluminum
1 overhead (SOHC), driven by double bush chain hydraulic bucket tappets parallel; 4 per cylinder automatic - hydraulic diesel direct injection mechanical
2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler 1.1 92/125 at 4000 42.4; 57.6
280 at 1500 128.9 1270.7/1620.7 13.1
5.5 7.8 70 1988

front wheel drive automatic with ActiveSelect 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: 2.40

5 0.28⁺ 2.18 0.61⁺

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

Brakes

```
Brake circuits:2, diagonalBrakes front, diameter (mm):ventilated disc, 285Brakes rear, diameter (mm):solid disc, 278ABS:standard equipmentTC Plus:standard equipmentESP Plus:standard equipment
```

Weights and dimensions

Length (mm):	4596
Width (mm):	1798
Height (mm):	1460
Wheelbase (mm):	2700
Track front/rear (mm):	1536/1525
Luggage capacity (I) ECIE:	500-1050
Rim width (inch)(mm)/tire size:	6.5Jx15/195/65 R 15 up to 210 km/h category H
Turning clearance circle/turning circle (m):	11.50/10.76
Steer. wheel turns lock/lock:	2.75
Steering, ratio:	electrhydr. power steering, 15.2
Steering wheel outside diameter (mm):	385
Kerb weight/max. allowable weight/additional load (kg):	1550/2025/475
Power to weight ratio (kg/kW; kg/hp)(empty):	16.8; 12.4
Max. axle load front/rear (kg):	1105/960
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)*: Acceleration 0-100 km/h (sec)*: Pass-by noise (dBA): Fuel: Fuel consumption (liter/100 km): $\begin{array}{c} 202\\ 11.8\\ 73\\ Diesel\\ Measured according to EU guideline 99/100/EU.\\ Additional equipment can lead to increased\\ consumption and CO_2 values.\\ urban: 10.3 - 10.4\\ extra-urban: 5.4 - 5.5\\ total: 7.2 - 7.3\\ 194 - 197\\ Euro 3\\ \end{array}$

CO₂ emission (g/km): Emission class:

Maintenance Service intervals:

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

Service check every 24 months or after up to 30,000 km

7

Vectra 2.2 DIRECT 114kW/155hp 5-speed notchback 4 doors

Model year:	2005 1/2	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
E e de contra de la		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	2.2 DIRECT ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 10° backward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	4	Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 V
Bore (mm):	86	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	94.6	Steer. wheel turns lock/lock:	2.75
Displacement (cc):	2198	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	12:1	Steering wheel outside diameter (mm):	385
Engine, type:	in line; 5 main bearings	Kerb weight/max. allowable weight/additional load (kg	
Cylinder block/head, material: Camshaft(s), location:	aluminum/aluminum 2 overhead (2 DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	12.8; 9.4
Valve train:	indirect, roller cam followers	Max. axle load front/rear (kg): Trailer load braked/unbraked (kg):	995/960 1500/715
Valve, arrangement:	v; 4 per cylinder	Trailer hook weight/roof load (kg):	78/100
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	61, under rear seats
Fuel system:	gasoline direct injection		or, under real seals
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Derformence	
Fuel pump:	electric, in tank; mechanical at cylinder head	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	218
Output (kW/hp CEE at 1/min):	114/155 at 5600	Acceleration 0-100 km/h (sec)*:	9.6
Specific power (kW/l; hp/l):	51.9; 70.5	Acc. 80-120 km/h in 5th gear (sec)*:	13.3
Max. torque (Nm at 1/min):	220 at 3800	Pass-by noise (dBA):	73
Specific torque (Nm/liter):	100.1	Fuel:	unleaded premium 95 RON
Mean effective pressure at		Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	1111.4/1258.3		Additional equipment can lead to increased consumption and CO ₂ values.
Average piston speed (m/s):	17.7		urban: $10.3 - 10.4$
Engine oil, capacity (I):	5		extra-urban: 6.2 - 6.3
Cooling capacity (I):	7.2		total: 7.7 - 7.8
Battery 12 V, capacity (Ah):	72	CO ₂ emission (g/km):	185.187
Alternator 14.2 V, capacity (W):	1704	Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive	Service intervals:	Service check every 24 months or after up to 30,000 km
Transmission, type:	manual	Service Intervals.	Service check every 24 months of after up to 50,000 km
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35		
	4th ratio: 0.98 5th ratio: 0.81	* Basic model	
	reverse ratio: 3.31 final drive ratio: 3.95	* Kerb weight (70156 EEC) and 125 kg payload	
Clutch, type:	dry single plate	Specifications may differ outside Germany	
Dedu			
Body			
Seats:	5		
Drag coefficient (c _p):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	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		

Vectra 2.2 DIRECT 114kW/155hp 5-speed autom. notchback 4 doors

Model year:	2005 1/2	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
Engine data		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	2.2 DIRECT ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 10° backward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	4	Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 H
Bore (mm):	86	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	94.6	Steer. wheel turns lock/lock:	2.75
Displacement (cc):	2198	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	12:1	Steering wheel outside diameter (mm):	385
Engine, type:	in line; 5 main bearings aluminum/aluminum	Kerb weight/max. allowable weight/additional load (kg)	
Cylinder block/head, material: Camshaft(s), location:	2 overhead (2 DOHC), driven by chain	Power to weight ratio (kg/kW; kg/hp)(empty):	13.0; 9.6
Valve train:	indirect, roller cam followers	Max. axle load front/rear (kg):	1025/960
Valve, arrangement:	v: 4 per cylinder	Trailer load braked/unbraked (kg):	1600/715
Valve adjustment:	automatic - hydraulic	Trailer hook weight/roof load (kg): Fuel tank capacity (I), location:	78/100 61. under rear seats
Fuel system:	gasoline direct injection	Fuel tank capacity (I), location:	or, under rear seals
Ignition system:	electr. ignition map, ignition coil direct to spark plug		
Fuel pump:	electric, in tank; mechanical at cylinder head	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	212
Output (kW/hp CEE at 1/min):	114/155 at 5600	Acceleration 0-100 km/h (sec)*:	10.5
Specific power (kW/l; hp/l):	51.9; 70.5	Pass-by noise (dBA):	71
Max. torque (Nm at 1/min):	220 at 3800	Fuel:	unleaded premium 95 RON
Specific torque (Nm/liter):	100.1	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at			Additional equipment can lead to increased
max. power/max. torque (kPa):	1111.4/1258.3		consumption and CO ₂ values.
Average piston speed (m/s):	17.7		urban: 11.8 - 11.9
Engine oil, capacity (I):	5		extra-urban: 6.6 - 6.7
Cooling capacity (I):	7.4		total: 8.5 - 8.6
Battery 12 V, capacity (Ah):	72	CO ₂ emission (g/km):	204 - 206
Alternator 14.2 V, capacity (W):	1704	Emíssion class:	Euro 4
Transmission		Maintenance	
Drive axle:	front wheel drive	Service intervals:	Service check every 24 months or after up to 30,000 km
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	* Basic model	
	reverse ratio: 3.17 final drive ratio: 2.60	* Kerb weight (70156 EEC) and 125 kg payload	
		Specifications may differ outside Germany	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61+		
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
Wheel suspension rear:	gas pre-loaded struts multi-link suspension, 3 transverse+1longitudinal arm,		
Wheel suspension rear:	coil springs, gas-filled shock absorbers		
	front + rear		
Anti roll bar:			
Brakes			
Brakes Brake circuits:	2, diagonal		
Brakes Brake circuits: Brakes front, diameter (mm):	ventilated disc, 285		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm):	ventilated disc, 285 solid disc, 278		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:	ventilated disc, 285 solid disc, 278 standard equipment		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm):	ventilated disc, 285 solid disc, 278		

Vectra 3.0 V6 CDTI 130kW/177hp 6-speed notchback 4 doors

Model year: Date:

Engine data

Engine: Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head, material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Charger system: Max. boost pressure (bar): Output (kW/hp CEE at 1/min): Specific power (kW/I: hp/I): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):

Transmission

Drive axle: Transmission, type: Gear ratios:

Clutch, type:

Body

Seats: Drag coefficient (c_{D}) : Frontal area (A in m²): Index (c_wxA):

IDS^{PLUS} chassis Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

2005 1/2 01/2005 3.0 V6 CDTI ECOTEC front, transverse in front of axle, 1° forward inclined with liquid, sealed circuit 6 87.5 82 2958 18.5:1 V 66°; 4 main bearings aluminum/aluminum 4 overhead (DOHC), gear/toothed belt direct, bucket tappets parallel: 4 per cylinder mechanical diesel direct injection, common rail high pressure, mechanic 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler 1.2 130/177 at 4000 43.9: 59.8 370 at 1900 125.1 1318.5/1572.6 10.9 7.25 8.3 85 1988

front wheel drive 6-speed manual 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 dry single plate

5 0.28⁺ 2.18 0.61⁺

> independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts with continuous damping control (CDC) multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers with CDC front + rear

Brakes

 Brake circuits:
 2, diagonal

 Brakes front, diameter (mm):
 ventilated disc, 314

 Brakes rear, diameter (mm):
 ventilated disc, 292

 ABS:
 standard equipment

 TC Plus:
 standard equipment

 ESP Plus:
 standard equipment

Weights and dimensions

Length (mm):	4596
Width (mm):	1798
Height (mm):	1460
Wheelbase (mm):	2700
Track front/rear (mm):	1536/1525
Luggage capacity (I) ECIE:	500-1050
Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m):	11.50/10.76
Steer. wheel turns lock/lock:	2.75
Steering, ratio:	electrhydr. power steering, 15.2
Steering wheel outside diameter (mm):	385
Kerb weight/max. allowable weight/additional load (kg):	: 1613/2110/497
Power to weight ratio (kg/kW; kg/hp)(empty):	12.4; 9.1
Max. axle load front/rear (kg):	1160/960
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)*:	226
Acceleration 0-100 km/h (sec)*:	9.3
Acc. 80-120 km/h in 5th gear (sec)*:	8.4
Pass-by noise (dBA):	73
Fuel:	Dies
Fuel consumption (liter/100 km):	Meas
· · · /	Addi

8.4 73 Diesel Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO_2 values. urban: 9.8 - 9.9 extra-urban: 5.4 - 5.5 total: 7.0 - 7.1 189 - 192 Euro 3

CO₂ emission (g/km): Emission class:

Maintenance

Service intervals:

Service check every 24 months or after up to 50,000 km

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

Vectra 3.0 V6 CDTI 130kW/177hp 5-speed autom. notchback 4 doors

2005 1/2

Model year: Date:

Engine data

Engine: Engine, location: Cooling system: Cylinders, number: Bore (mm): Stroke (mm): Displacement (cc): Compression ratio: Engine, type: Cylinder block/head, material: Camshaft(s), location: Valve train: Valve, arrangement: Valve adjustment: Fuel system: Fuel pump: Emission control system: Charger system: Max. boost pressure (bar): Output (kW/hp CEE at 1/min): Specific power (kW/I: hp/I): Max. torque (Nm at 1/min): Specific torque (Nm/liter): Mean effective pressure at max. power/max. torque (kPa): Average piston speed (m/s): Engine oil, capacity (I): Cooling capacity (I): Battery 12 V, capacity (Ah): Alternator 14.2 V, capacity (W):

Transmission

Drive axle: Transmission, type: Gear ratios:

Body

Seats: Drag coefficient (c_{D}) : Frontal area (A in m²): Index (c_wA):

IDS^{PLUS} chassis Wheel suspension front:

Wheel suspension rear:

Anti roll bar:

01/2005 3.0 V6 CDTI ECOTEC front, transverse in front of axle, 1° forward inclined with liquid, sealed circuit 6 87.5 82 2958 18.5:1 V 66°; 4 main bearings aluminum/aluminum 4 overhead (DOHC), gear/toothed belt direct, bucket tappets parallel: 4 per cylinder mechanical diesel direct injection, common rail high pressure, mechanic 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler 1.2 130/177 at 4000 43.9: 59.8 330 at 1600 111.6 1318.5/1402.6 10.9 7.25 8.3 85 1988

front wheel drive automatic with ActiveSelect 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: 2.23

5 0.28⁺ 2.18 0.61⁺

> independent, McPherson struts, wishbone, on subframe, gas pre-loaded struts with continuous damping control (CDC) multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers with CDC front + rear

Brakes

```
Brake circuits:
                                                   2. diagonal
                                                   ventilated disc. 314
Brakes front, diameter (mm):
                                                   ventilated disc. 292
Brakes rear, diameter (mm):
ABS:
                                                   standard equipment
TC Plus:
                                                   standard equipment
ESP Plus:
                                                   standard equipment
Weights and dimensions
Length (mm):
                                                   4596
Width (mm):
                                                   1798
I laight (mm)
                                                   1 400
```

Height (mm):	1460
Wheelbase (mm):	2700
Track front/rear (mm):	1536/1525
Luggage capacity (I) ECIE:	500-1050
Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 V
Turning clearance circle/turning circle (m):	11.50/10.76
Steer. wheel turns lock/lock:	2.75
Steering, ratio:	electrhydr. power steering, 15.2
Steering wheel outside diameter (mm):	385
Kerb weight/max. allowable weight/additional load (kg):	: 1638/2135/497
Power to weight ratio (kg/kW; kg/hp)(empty):	12.6; 9.3
Max. axle load front/rear (kg):	1190/960
Trailer load braked/unbraked (kg):	1400/750
Trailer hook weight/roof load (kg):	78/100
Fuel tank capacity (I), location:	61, under rear seats

223

Performance

Top speed (km/h)*: Acceleration 0-100 km/h (sec)*: Pass-by noise (dBA): Fuel: Fuel consumption (liter/100 km):

 $\begin{array}{l} 9.5\\74\\ \text{Diesel}\\ \text{Measured according to EU guideline 99/100/EU.}\\ \text{Additional equipment can lead to increased}\\ \text{consumption and CO}_2 values.\\ \text{urban:} 10.7 - 10.8\\ \text{extra-urban:} 5.5 - 5.6\\ \text{total:} 7.4 - 7.5\\ 200 - 203\\ \text{Euro 3}\\ \end{array}$

CO₂ emission (g/km): Emission class:

Maintenance Service intervals:

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

Service check every 24 months or after up to 50.000 km

Vectra 3.2 V6 155kW/211hp 5-speed notchback 4 doors

Model year:	2005 ½	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	3.2 V6 ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 1° forward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	6	Rim width (inch)(mm)/tire size:	6.5Jx16/215/55 R16 W
Bore (mm):	87.5	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	88	Steer. wheel turns lock/lock:	2.75
Displacement (cc):	3175	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	10:1	Steering, heel outside diameter (mm):	385
Engine, type:	v 54°; 4 main bearings	Kerb weight/max. allowable weight/additional load (kg	
Cylinder block/head, material:	cast iron/alumnium alloy	Power to weight ratio (kg/kW; kg/hp)(empty):	9.8; 7.2
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Max. axle load front/rear (kg):	5.0, 7.2 1065/960
Valve train:	hydraulic bucket tappets	Trailer load braked/unbraked (kg):	1600/750
Valve, arrangement:	v; 4 per cylinder	Trailer hook weight/roof load (kg):	78/100
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	61, under rear seats
Fuel system:	seguential multi point fuel injection		or, under real seals
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Derfermenen	
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	248
Output (kW/hp CEE at 1/min):	155/211 at 6200	Acceleration 0-100 km/h (sec)*:	7.5
Specific power (kW/l; hp/l):	48.8; 66.5	Acc. 80-120 km/h in 5th gear (sec)*:	11.3
Max. torque (Nm at 1/min):	48.0, 00.5 300 at 4000	Pass-by noise (dBA):	74
Specific torque (Nm/liter):	94.5	Fuel:	unleaded premium 95 RON
Mean effective pressure at	94.0	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
max. power/max. torque (kPa):	944.9/1187.9	· · · · · · · · · · · · · · · · · · ·	Additional equipment can lead to increased
Average piston speed (m/s):	18.2		consumption and CO_2 values.
			urban: 14.0 - 14.1
Engine oil, capacity (I):	4.75 7.7		extra-urban: 7.3 - 7.4
Cooling capacity (I):			total: 9.8 - 9.9
Battery 12 V, capacity (Ah):	66	CO_2 emission (g/km):	235 - 238
Alternator 14.2 V, capacity (W):	1988	Emission class:	Euro 4
Transmission			
		Maintenance	
Drive axle:	front wheel drive		Consider sharely success 0.4 meanths are offered in the 0.0 0.00 lines
Transmission, type:	manual	Service intervals:	Service check every 24 months or after up to 30,000 km
Gear ratios:	1st ratio: 3.38 2nd ratio: 1.76 3rd ratio: 1.12		
	4th ratio: 0.89 5th ratio: 0.70	t Desis medal	
	reverse ratio: 3.17 final drive ratio: 4.05	* Basic model	
Clutch, type:	dry single plate	* Kerb weight (70156 EEC) and 125 kg payload	
		Specifications may differ outside Germany	
Body			
Seats:	5		
	5 0.28 ⁺		
Drag coefficient (c_{D}) :			
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61*		
IDS ^{PLUS} chassis			
IDS chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts with continuous damping control (CDC)		
Wheel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm,		
	coil springs, gas-filled shock absorbers with CDC		
Anti roll bar:	front + rear		
Brakes			
Brake circuits:	2, diagonal		
Brakes front, diameter (mm):	ventilated disc, 314		
Brakes rear, diameter (mm):	ventilated disc, 292		
ABS:	standard equipment		
TC Plus:	standard equipment		
ESP Plus:	standard equipment		

Model year:	2005 ½	Weights and dimensions	
Date:	01/2005	Length (mm):	4596
- · · · ·		Width (mm):	1798
Engine data		Height (mm):	1460
Engine:	3.2 V6 ECOTEC	Wheelbase (mm):	2700
Engine, location:	front, transverse in front of axle, 1° forward inclined	Track front/rear (mm):	1536/1525
Cooling system:	with liquid, sealed circuit	Luggage capacity (I) ECIE:	500-1050
Cylinders, number:	6	Rim width (inch)(mm)/tire size:	6,5Jx16/215/55 R16 W
Bore (mm):	87.5	Turning clearance circle/turning circle (m):	11.50/10.76
Stroke (mm):	88	Steer. wheel turns lock/lock:	2.75
Displacement (cc):	3175	Steering, ratio:	electrhydr. power steering, 15.2
Compression ratio:	10:1	Steering wheel outside diameter (mm):	385
Engine, type:	v 54°; 4 main bearings	Kerb weight/max. allowable weight/additional load (kg)	
Cylinder block/head, material:	cast iron/alumnium allov	Power to weight ratio (kg/kW; kg/hp)(empty):	10.0; 7.3
Camshaft(s), location:	4 overhead (DOHC), driven by toothed belt	Max. axle load front/rear (kg):	1095/960
Valve train:	hydraulic bucket tappets	Trailer load braked/unbraked (kg):	1600/750
Valve, arrangement:	v; 4 per cylinder	Trailer hook weight/roof load (kg):	78/100
Valve adjustment:	automatic - hydraulic	Fuel tank capacity (I), location:	61, under rear seats
Fuel system:	sequential multi point fuel injection	r der tank capacity (i), iocation.	
Ignition system:	electr. ignition map, ignition coil direct to spark plug	Derfermence	
Fuel pump:	electric, in tank	Performance	
Emission control system:	3-way cat. conv. with 2 oxygen sensors	Top speed (km/h)*:	246
Output (kW/hp CEE at 1/min):	155/211 at 6200	Acceleration 0-100 km/h (sec)*:	8
Specific power (kW/l; hp/l):	48.8; 66.5	Pass-by noise (dBA):	74
Max. torque (Nm at 1/min):	300 at 4000	Fuel:	unleaded premium 95 RON
Specific torque (Nm/liter):	94.5	Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU.
Mean effective pressure at			Additional equipment can lead to increased
max. power/max. torque (kPa):	944.9/1187.9		consumption and CO ₂ values.
Average piston speed (m/s):	18.2		urban: 15.4 - 15.5
Engine oil, capacity (I):	4.75		extra-urban: 7.5 - 7.6
Cooling capacity (I):	7.9		total: 10.4 - 10.5
Battery 12 V, capacity (Ah):	66	CO ₂ emission (g/km):	250 - 252
Alternator 14.2 V, capacity (W):	1988	Emission class:	Euro 4
_		Maintananaa	
Transmission		Maintenance	
Drive axle:	front wheel drive	Service intervals:	Service check every 24 months or after up to 30,000 km
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	* Basic model	
	reverse ratio: 3.17 final drive ratio: 2.40	* Kerb weight (70156 EEC) and 125 kg payload	
		Specifications may differ outside Germany	
Body			
Seats:	5		
Drag coefficient (c_):	0.28*		
Frontal area (A in m ²):	2.18		
Index (c "xA):	0.61+		
IDS ^{PLUS} chassis			
Wheel suspension front:	independent, McPherson struts, wishbone, on subframe,		
	gas pre-loaded struts with continuous damping control (CDC)		
Wheel suspension rear:	multi-link suspension, 3 transverse+1longitudinal arm, coil springs, gas-filled shock absorbers with CDC		
	con springs, gas-nied shock absorbers with CDC		
Anti roll bar:	front + rear		
Anti roll bar:	front + rear		
	front + rear		
Brakes			
Brakes Brake circuits:	2, diagonal		
Brakes Brake circuits: Brakes front, diameter (mm):	2, diagonal ventilated disc, 314		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm):	2, diagonal ventilated disc, 314 ventilated disc, 292		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm): ABS:	2, diagonal ventilated disc, 314 ventilated disc, 292 standard equipment		
Brakes Brake circuits: Brakes front, diameter (mm): Brakes rear, diameter (mm):	2, diagonal ventilated disc, 314 ventilated disc, 292		