

2008 Opel Astra 1.7 CDTI ECOTEC

User Manual

Bodywork

Type 4/5S HBK

Doors 5

Engine information

| | |
|-----------------------|--|
| Bore × stroke | 79.00 mm × 86.00 mm 3.11 in × 3.39 in |
| Cylinders | S-4 |
| Displace | 1.7 litre 1686 cc (102.886 cu in) |
| Engine type | DOHC |
| Valves | 4 valves per cylinder 16 valves in total |
| Engine construction | |
| Sump | Wet sumped |
| Compression ratio | 18.40:1 |
| Fuel system | common rail direct diesel injection |
| Maximum power | 109.5 PS (108.0 bhp) (80.5 kW) @ 3800 rpm |
| 0-50 mph | |
| 0-60 mph | |
| 0-100 mph | |
| 0-100 km/h | 11.70 s |
| 80 - 120 km/h | |
| 402 m (Quarter mile) | |
| Standing km | |
| Top speed | 185 km/h (115 mph) |
| Fuel consumption | |
| CO2 emissions | 138.0 g/km |
| Power to weight ratio | 77.98 bhp/ton |
| Specific output | |
| Maximum torque | 260.0 Nm (192 ft·lb) (26.5 kgm) @ 2300 rpm |
| Bmep | 1937.9 kPa (281.1 psi) |
| Specific torque | 154.21 Nm/litre |
| Maximum rpm | |
| Code | |
| Main bearings | |

| | |
|---------------------|-------------------|
| Coolant | Water |
| Bore / stroke ratio | 0.92 |
| Unitary capacity | 421.5 cc/cylinder |
| Aspiration | Turbo D. |
| Compressor type | |
| Intercooler | |
| Catalytic converter | Y |

Dimensions and weight

| | |
|--------------------------------|-------------|
| Wheelbase | 2614 mm |
| Wheelbase | 102.9 in |
| Length (millimeters) | 4249 mm |
| Length (inches) | 167.3 in |
| Width (millimeters) | 1753 mm |
| Width (inches) | 69 in |
| Height (millimeters) | 1460 mm |
| Height (inches) | 57.5 in |
| L:W ratio | 1.63 |
| Ground clearance (millimeters) | |
| Ground clearance (inches) | |
| Kerb weight (kilograms) | 1385 kg |
| Kerb weight (pounds) | 3053 lb |
| Weight distribuiton | |
| Fuel capacity (litres) | 52 litres |
| Fuel capacity (UK Ga) | 11.4 UK Ga |
| Fuel capacity (US Gal) | 13.7 US Gal |

Aerodynamics

| | |
|------------------|--|
| Drag coefficient | |
| Frontal area | |
| Cx | |

Chassis

| | |
|--------------------|------------|
| Engine location | Front |
| Engine alignment | Transverse |
| Drive | FWD |
| Steering | |
| Turns lock-to-lock | |

Turning circle

Tyres

Wheels

Brakes F/R VeDi/Di-S-ABS

Brake ?

Braked area

Transmission 6M

Top gear ratio

Final drive ratio

General information

RAC rating 15.5

Number made

Model code

Model family

Insurance classification No information available

Tax band No information available