

**2005 Audi A4 Cabriolet**  
**1.8T Technical Specifications**



| Technical Specifications         |  | 2005 Audi A4 1.8T Cabriolet |                              |
|----------------------------------|--|-----------------------------|------------------------------|
| <b>ENGINE:</b>                   |  |                             |                              |
| Type                             | Inline 4-cylinder with exhaust gas turbocharger and charge-air intercooling, DOHC  |                             |                              |
| Arrangement                      | Front mounted, longitudinal  |                             |                              |
| Bore                             | 3.18 in.   | 81 mm                       |                              |
| Stroke                           | 3.40 in.   | 86.4 mm                     |                              |
| Displacement                     | 109 cu. in.  | 1781 cc                     |                              |
| Compression ratio                | 9.3:1  |                             |                              |
| Fuel requirement                 | Premium unleaded 91 AKI / 95 RON recommended for maximum performance   |                             |                              |
| Horsepower (SAE)                 | 170 hp   | @ 5900                      | rpm                          |
| Max. Torque                      | 166 lbs. ft.   | @ 1950 - 5000               | rpm                          |
| <b>ENGINE DESIGN:</b>            |  |                             |                              |
| Cylinder block                   | Cast iron  |                             |                              |
| Crankshaft                       | Forged steel, 4 main bearings  |                             |                              |
| Cylinder head                    | Aluminum alloy   |                             |                              |
| Valve train / intake             | Intake camshaft adjustment, DOHC belt driven, hydraulic lifters  |                             |                              |
| Firing order                     | 1 - 3 - 4 - 2  |                             |                              |
| Cooling system                   | Water-cooled, thermostatically controlled radiator fan   |                             |                              |
| Lubrication system               | Gear pump, pressurized, full flow with oil cooler  |                             |                              |
| Fuel injection / Ignition system | Fully electronic engine management, sequential injection with adaptive idle-charge control, acceleration enrichment, overrun fuel cut-off, adaptive lambda control, mapped ignition with solid-state high-voltage distribution via single spark coils, adaptive knock control, air-mass measurement, integrated boost pressure control |                             |                              |
| Emission system                  | Dual 3-way catalytic converters w/individual oxygen sensors  |                             |                              |
| <b>ELECTRICAL SYSTEM:</b>        |  |                             |                              |
| Battery                          | 12 volts   | 80 amp/hr                   |                              |
| Alternator                       | 14 volts   | 120 amp                     |                              |
| <b>DRIVETRAIN:</b>               |  |                             |                              |
| Transmissions                    | • Audi multitronic® Continuously Variable Transmission (CVT)   |                             |                              |
| Type                             | <b>Front Wheel Drive</b>   |                             |                              |
|                                  | <b>multitronic®</b>  |                             |                              |
| Gear ratios: 1st                 | 2.400:1  |                             |                              |
| 2nd                              | -  |                             |                              |
| 3rd                              | -  |                             |                              |
| 4th                              | -  |                             |                              |
| 5th                              | -  |                             |                              |
| Final Drive                      | 4.778:1  |                             |                              |
| Front Differential               | Hypoid gear, electronically locking (EDL)  |                             |                              |
| <b>STEERING:</b>                 |  |                             |                              |
| Type                             | Maintenance-free rack-and-pinion steering with power assist  |                             |                              |
| Ratio                            | 16.3:1   |                             |                              |
| Turns (lock-to-lock)             | n.a.   |                             |                              |
| Turning circle (curb-to-curb)    | 36.4 ft.   | 11.1 m                      |                              |
| <b>SUSPENSION:</b>               |  |                             |                              |
| Front                            | Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)   |                             |                              |
| Rear (FrontTrak)                 | Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil spring and shock absorbers (gas charged)  |                             |                              |
| <b>BRAKES:</b>                   |  |                             |                              |
| Service brake                    | Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster   |                             |                              |
| Front, size and type             | 11.3 in.   | 288x25 mm                   | - Ventilated disc / FN3 - 57 |
| Rear, size and type              | 9.6 in.  | 245x10 mm                   | - Solid disc / C38 HR        |
| Parking brake                    | Mechanically actuated at the rear wheels   |                             |                              |

**2005 Audi A4 Cabriolet  
1.8T Technical Specifications**



| Technical Specifications (continued)   |  | 2005 Audi A4 1.8 T Cabriolet |  |
|--|--|------------------------------|--|
| <b>CABRIOLET TOP:</b> Minimum necessary clearance for opening the convertible top is 85 inches / 7 ft. 1 inch. |  |                              |  |
| <b>WHEELS:</b>   | <b>Standard (CA1)</b>  | <b>Optional 17" (CA5)</b>    | <b>Optional 17" (C1X)</b>                                      |
| Size   | 7J x 16  | 7.5J x 17                    | 7.5J x 17  |
| Offset   | 42 mm  | 45 mm                        | 45 mm  |
| Weight   | 9,600 g / 21 lbs   | 11,000 g / 24 lbs            | 11,800 g / 26 lbs  |
| Type   | Cast alloy   | Cast alloy                   | Cast alloy   |
| <b>TIRES:</b>  | <b>Standard (H9P)</b>  | <b>Optional 17" (H6G)</b>    | <b>Optional 17" (H8A)</b>                                      |
| Size   | 215 / 55   | 235 / 45                     | 235 / 45   |
| Speed rating   | H  | H                            | Y  |
| Construction   | Radial   | Radial                       | Radial   |
| Load Index   | 91   | <i>Not yet determined</i>    | 94   |
| Brand / Type ( <i>all approved</i> )   | Pirelli P6 Four Seasons  | <i>Not yet determined</i>    | Dunlop SP 9090   |
|  | Michelin MXM4  |                              | Michelin Pilot Primacy   |
|  |  |                              | Conti Sport Contact 2  |
| <b>BODY:</b>   |  |                              |  |
| Material   | Unitized steel structure with integrated aluminum and magnesium components                                   |                              |  |
| Corrosion protection   | All steel parts are 100% dual-side zinc-galvanized. (12-year limited warranty against corrosion perforation) |                              |  |
| <b>CAPACITIES:</b>   |  |                              |  |
| Engine oil   | 4.2 qt.  | 4 liter                      |  |
| Fuel tank  | 18.5 gal.  | 70 liter                     |  |
| Cooling system   | 6.9 qt.  | 6.5 liter                    |  |
| <b>EXTERIOR DIMENSIONS:</b>  |  |                              |  |
| Wheelbase  | 104.5 in.  | 2654 mm                      |  |
| Track: front / rear  | 60 in.   | 1523 mm                      | / 60 in. 1523 mm   |
| Overall length   | 180 in.  | 4573 mm                      |  |
| Overall width / with mirrors   | 70 in.   | 1777 mm                      | / 75 in. 1911 mm   |
| Height (unloaded)  | 54.8 in.   | 1391 mm                      |  |
| Ground clearance (loaded)  | 5 in.  | 128 mm                       |  |
| Curb weight:   | 3637.9 lbs.  | 1650 kg                      |  |
| Distribution: % front / rear   | 54 / 46  |                              |  |
| Drag coefficient   | Cw = 0.31 Frontal Area = 2.11 sq.m.  |                              |  |
| <b>INTERIOR DIMENSIONS (SAE measurements):</b>   |  |                              |  |
| Seating Capacity   | 4  |                              |  |
| EPA class  |  |                              |  |
| Head room front / rear   | 37.95 in.  | 964 mm                       | / 36.3 in. 922 mm  |
| Shoulder room front / rear   | 53.0 in.   | 1347 mm                      | / 45.08 in. 1145 mm  |
| Leg room front / rear  | 41.3 in.   | 1050 mm                      | / 32.4 in. 823 mm  |
| Interior volume front / rear   | 42.2 cu. ft.   |                              | / 30.7 cu. ft. 89.0 = total of cu. ft (including trunk volume) |
| Luggage Capacity   | 10.2 cu. ft.   |                              |  |
| <b>PERFORMANCE:</b>  |  |                              |  |
|  | <b>multitronic®</b>  |                              |  |
| 0-50 mph (0-80kmh)   | 6.1 sec.   |                              |  |
| 0-60 mph (0-100 km/h)  | 8.4 sec.   |                              |  |
| 1/4 mile   | 16.5 sec.  |                              |  |
| Top speed  | Top speed is electronically limited at 130 MPH (208 km/h)  |                              |  |
| <b>FUEL ECONOMY: EPA estimate</b>  |  |                              |  |
|  | <b>multitronic®</b>  |                              |  |
| City   | 23 mpg   |                              |  |
| Highway  | 30 mpg   |                              |  |
| Combined   | 26 mpg   |                              |  |
| <b>FUEL ECONOMY: Canadian Estimate</b>   |  |                              |  |
|  | <b>multitronic®</b>  |                              |  |
| City   | 10.2 liters/100km  |                              |  |
| Highway  | 7.2 liters/100km   |                              |  |

**2005 A4 Cabriolet**  
**3.0 Technical Specifications**



| Technical Specifications         |  | 2005 Audi A4 3.0 Cabriolet |  |
|----------------------------------|--|----------------------------|--|
| <b>ENGINE:</b>                   |  |                            |  |
| Type                             | Aluminum, 90 degree V6 with variable intake manifold, continuous camshaft adjustment, balance shaft, DOHC  |                            |  |
| Arrangement                      | Front mounted, longitudinal  |                            |  |
| Bore                             | 3.25 in.   | 82.5 mm                    |  |
| Stroke                           | 3.65 in.   | 92.8 mm                    |  |
| Displacement                     | 182 cu. in.  | 2976 cc                    |  |
| Compression ratio                | 10.1 : 1   |                            |  |
| Fuel requirement                 | Premium unleaded 91 AKI / 95 RON recommended for maximum performance   |                            |  |
| Horsepower (SAE)                 | 220 hp   | @ 6300 rpm                 |  |
| Torque                           | 221 lbs. ft.   | @ 3200 rpm                 |  |
| <b>ENGINE DESIGN:</b>            |  |                            |  |
| Cylinder block                   | High integrity aluminum cylinder block with cast-in thin wall gray iron liners   |                            |  |
| Crankshaft                       | Forged steel   |                            |  |
| Cylinder head                    | Aluminum alloy   |                            |  |
| Valve train / intake             | DOHC chain driven, hydraulic valve lifters, two-stage variable intake manifold   |                            |  |
| Firing order                     | 1 - 4 - 3 - 6 - 4 - 5  |                            |  |
| Cooling system                   | Water-cooled, thermostatically controlled radiator fan   |                            |  |
| Lubrication system               | Gear pump, pressurized, full flow with oil cooler  |                            |  |
| Fuel injection / Ignition system | Fully electronic engine management utilizing Bosch Motronic® 7.1.1., sequential injection with adaptive idle-charge control, acceleration enrichment, overrun fuel cut-off, adaptive lambda control, mapped ignition with solid-state high-voltage distribution via single spark coils, cylinder selective adaptive knock control with two sensors |                            |  |
| Emission system                  | Dual 3-way catalytic converters w/individual oxygen sensors  |                            |  |
| <b>ELECTRICAL SYSTEM:</b>        |  |                            |  |
| Battery                          | 12 volts   | 80 amp/hr                  |  |
| Alternator                       | 14 volts   | 120 amp                    |  |
| <b>DRIVETRAIN:</b>               |  |                            |  |
| Transmissions                    | • Audi multitronic® Continuously Variable Transmission (CVT)   |                            |  |
| Type                             | <b>Front-wheel drive</b>   |                            | <b>Tiptronic Automatic</b>                             |
|                                  | <b>multitronic®</b>  |                            |  |
| Gear ratios:                     | 1st  | 2.444:1                    |  |
|                                  | 2nd  | 1.425:1                    | <i>Data for Tiptronic not yet available</i>            |
|                                  | 3rd  | 0.981:1                    |  |
|                                  | 4th  | 0.755:1                    | <b>Note: Gear ratios apply to Tiptronic mode only!</b> |
|                                  | 5th  | 0.547:1                    |  |
|                                  | 6th  | 0.385:1                    |  |
|                                  | Final Drive  | 5.297:1                    |  |
| Front Differential               | Hypoid gear, electronically locking (EDL)  |                            |  |
| <b>STEERING:</b>                 |  |                            |  |
| Type                             | Maintenance-free rack-and-pinion steering with power assist  |                            |  |
| Ratio                            | 16.3:1   |                            |  |
| Turns (lock-to-lock)             | n.a.   |                            |  |
| Turning circle (curb-to-curb)    | 36.4 ft.   | 11.1 m                     |  |
| <b>SUSPENSION:</b>               |  |                            |  |
| Front                            | Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)   |                            |  |
| Rear (FrontTrak)                 | Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil spring and shock absorbers (gas charged)  |                            |  |
| <b>BRAKES:</b>                   |  |                            |  |
| Service brake                    | Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster   |                            |  |
| Front, size and type             | 12.3 in.   | 312x25 mm                  | - Ventilated disc / FN3 - 57                           |
| Rear, size and type              | 10 in.   | 255x12 mm                  | - Solid disc / C38 HR                                  |
| Parking brake                    | Mechanically actuated at the rear wheels   |                            |  |

**2005 A4 Cabriolet**  
**3.0 Technical Specifications**



| Technical Specifications (continued)           |  | 2005 Audi A4 3.0 Cabriolet   |                           |                           |  |
|--|--|--|---------------------------|---------------------------|--|
| <b>CABRIOLET TOP:</b>                          |  | Minimum necessary clearance for opening the convertible top is 85 inches / 7 ft. 1 inch. |                           |                           |  |
| <b>WHEELS:</b>                                 |  | <b>Standard (CA3)</b>  | <b>Optional 17" (CA3)</b> | <b>Optional 17" (C1X)</b> |  |
| Size   |  | 7J x 16  | 7.5J x 17                 | 7.5J x 17                 |  |
| Offset   |  | 42 mm  | 45 mm                     | 45 mm                     |  |
| Weight   |  | 8,500 g / 19 lbs   | 11,000 g / 24 lbs         | 11,800 g / 26 lbs         |  |
| Type   |  | Cast alloy   | Cast alloy                | Cast alloy                |  |
| <b>TIRES:</b>                                  |  | <b>Standard (H9P)</b>  | <b>Optional 17" (H6G)</b> | <b>Optional 17" (H8A)</b> |  |
| Size   |  | 215 / 55   | 235 / 45                  | 235 / 45                  |  |
| Speed rating                                   |  | H  | H                         | Y                         |  |
| Construction                                   |  | Radial   | Radial                    | Radial                    |  |
| Load Index                                     |  | 91   | <i>Not yet determined</i> | 94                        |  |
| Brand / Type (all approved)                    |  | Pirelli P6 Four Seasons  | <i>Not yet determined</i> | Dunlop SP 9090            |  |
|  |  | Michelin MXM4  |                           | Michelin Pilot Primacy    |  |
|  |  | -  |                           | Conti Sport Contact 2     |  |
| <b>BODY:</b>                                   |  |  |                           |                           |  |
| Material                                       | Unitized steel structure with integrated aluminum and magnesium components                                   |  |                           |                           |  |
| Corrosion protection                           | All steel parts are 100% dual-side zinc-galvanized. (12-year limited warranty against corrosion perforation) |  |                           |                           |  |
| <b>CAPACITIES:</b>                             |  | <b>FrontTrak</b>   |                           | <b>quattro</b>            |  |
| Engine oil                                     |  | 6.3 qt.  | 6 liter                   | 5.8 qt.                   | 5.5 liter  |
| Fuel tank                                      |  | 18.5 gal.  | 70 liter                  | 16.6 gal.                 | 66 liter   |
| Cooling system                                 |  | 9.5 qt.  | 9 liter                   | 9.5 qt.                   | 9 liter  |
| <b>EXTERIOR DIMENSIONS:</b>                    |  | <b>FrontTrak</b>   |                           | <b>quattro</b>            |  |
| Wheelbase                                      |  | 104.5 in.  | 2654 mm                   |                           |  |
| Track: front / rear                            |  | 60 in.   | 1523 mm                   | /                         | 60 in. 1523 mm   |
| Overall length                                 |  | 180 in.  | 4573 mm                   |                           |  |
| Overall width / with mirrors                   |  | 70 in.   | 1777 mm                   | /                         | 75 in. 1911 mm   |
| Height (unloaded)                              |  | 54.8 in.   | 1391 mm                   |                           |  |
| Ground clearance (loaded)                      |  | 5 in.  | 128 mm                    |                           |  |
| Curb weight:                                   |  | 3814 lbs.  | 1730 kg                   | 4013 lbs. /               | 1820 kg  |
| Distribution: % front / rear                   |  | 58 / 42  |                           | 53 / 47                   |  |
| Drag coefficient                               |  | Cw = 0.31  | Frontal Area = 2.11 sq.m. |                           |  |
| <b>INTERIOR DIMENSIONS (SAE measurements):</b> |  |  |                           |                           |  |
| Seating Capacity                               |  | 4  |                           |                           |  |
| EPA class                                      |  |  |                           |                           |  |
| Head room front / rear                         |  | 37.95 in.  | 964 mm                    | /                         | 36.3 in. 922 mm  |
| w/sunroof front / rear                         |  | in.  | mm                        | /                         | in. mm   |
| Shoulder room front / rear                     |  | 53.0 in.   | 1347 mm                   | /                         | 45.08 in. 1145 mm  |
| Leg room front / rear                          |  | 41.3 in.   | 1050 mm                   | /                         | 32.4 in. 823 mm  |
| Interior volume front / rear                   |  | 42.2 cu. ft.   |                           | /                         | 30.7 cu. ft. 89.0 = total of cu. ft (including trunk volume) |
| Luggage Capacity                               |  | 10.2 cu. ft.   |                           |                           |  |
| <b>PERFORMANCE:</b>                            |  |  |                           |                           |  |
|  |  | <b>multitronic®</b>  |                           | <b>Tiptronic quattro</b>  |  |
| 0-50 mph (0-80kmh)                             |  | 5.5 sec.   |                           | 6.3 sec.                  |  |
| 0-60 mph (0-100 km/h)                          |  | 7.5 sec.   |                           | 8.4 sec.                  |  |
| 1/4 mile                                       |  | 16.4 sec.  |                           | 16.6 sec.                 |  |
| Top speed                                      |  | Top speed is electronically limited at 130 MPH (208 km/h)                                |                           |                           |  |
| <b>FUEL ECONOMY:</b> EPA estimate              |  |  |                           |                           |  |
|  |  | <b>multitronic®</b>  |                           | <b>Tiptronic quattro</b>  |  |
| City   |  | 20 mpg   |                           | 18 mpg                    |  |
| Highway  |  | 27 mpg   |                           | 25 mpg                    |  |
| Combined                                       |  | 23 mpg   |                           | 21 mpg                    |  |
| <b>FUEL ECONOMY:</b> Canadian Estimate         |  |  |                           |                           |  |
|  |  | <b>multitronic®</b>  |                           | <b>Tiptronic quattro</b>  |  |
| City   |  | 11.5 liters/100km  |                           | 12.8 liters/100km         |  |
| Highway  |  | 8.1 liters/100km   |                           | 8.4 liters/100km          |  |