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| Technical Specifications | 2007 Audi A6 4.2 FSI quattro Sedan |
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| ENGINE: | | |
| Type | V8 spark-ignition direct injection | |
| Arrangement | Front mounted, longitudinal | |
| Bore | 3.33 in. | 84.5 mm |
| Stroke | 3.65 in. | 92.8 mm |
| Displacement | 254 cu. in. | 4163 cc |
| Compression ratio | 12,5:1 | |
| Fuel requirement | min. Premium unleaded (91 AKI), Premium unleaded plus (95 AKI) recommended for maximum performance | |
| Horsepower (SAE) | 350 hp | 6800 rpm |
| Max. Torque | 325 lbs. ft. | 3500 rpm |

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| ENGINE DESIGN: | | |
| Cylinder block | Aluminium alloy | |
| Crankshaft | forged steel | |
| Cylinder head | Aluminium alloy | |
| Valve train / intake | DOHC, chain driven, continuous camshaft adjustment for intake and exhaust valves | |
| Firing order | 1 - 5 - 4 - 8 - 6 - 3 - 7 - 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 sequential injection, coordinated torque control, hot-film air mass measurement, drive-by-wire throttle control, mapped ignition with solid-state high-voltage distribution, adaptive lambda control | |
| Emission system | two close-coupled ceramic main catalytic converters, secondary air system | |

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| ELECTRICAL SYSTEM: | | |
| Battery | 12 volts | 110 amp/hr |
| Alternator | 14 volts | 190 amp |

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| DRIVETRAIN: | | |
| Transmission | six-speed automatic with Tiptronic® and automatic shift lock | |
| Type | quattro | |
| | | Automatic |
| Gear ratios: | 1st | 4,171:1 |
| | 2nd | 2,340:1 |
| | 3rd | 1,521:1 |
| | 4th | 1,143:1 |
| | 5th | 0,867:1 |
| | 6th | 0,691:1 |
| | Reverse | 3,403:1 |
| | Final Drive | 3,309:1 |
| Front Differential | Hypoid gear, electronically locking (EDL) | |
| Center Differential | differential providing automatic and variable front to rear power proportioning | |
| Rear Differential | Hypoid gear, electronically locking (EDL) | |

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| STEERING: | | |
| Type | vehicle speed-sensitive power rack and pinion | |
| Ratio | 14,6:1 | |
| Turns (lock-to-lock) | 2.49 | |
| Turning circle (curb-to-curb) | 39.0 ft. | 11.9 m |

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| SUSPENSION: | | |
| Front | Four link, anti roll bar, twin-tube-gas-filled shock absorbers | |
| Rear (FrontTrak) | | |
| Rear (quattro) | Trapezoidal-link, twin-tube-gas-filled shock absorbers | |

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| BRAKES: | | |
| Service brake | Electronic stability program (ESP 8) with anti-lock brake, electronic rear brake pressure proportioning, vacuum power assist, asbestos free linings, dual diagonal circuits | |
| Front, size and type | 13.7 in. | 347 mm - Ventilated disc |
| Rear, size and type | 13.0 in. | 330 mm - Ventilated disc |
| Parking brake | electromechanical parking brake rear | |

Technical Specifications (continued)
2007 Audi A6 4.2 FSI quattro Sedan

| WHEELS: | | | | | |
|------------------------------|--|------------------|----------------------------|---------------|-------------------------|
| Size | 7,5J x 17, cast alloy, 16-spoke design (8J x 18 cast alloy 7-arm design optional) | | | | |
| TIRES | spoke-structure design (7,5J x 17 cast alloy 16-spoke-star or 8J x 18 cast alloy 7-arm optional) | | | | |
| Size | 245 / 45 R 17 all-season | | | | |
| | (245 / 40 R 18 all-season optional) | | | | |
| BODY: | | | | | |
| Material | galvanized steel | | | | |
| Corrosion protection | Multi-step anti-corrosion protection | | | | |
| CAPACITIES: | | | | | |
| | | quattro | | | |
| Engine oil | | 8.9 qt. | 8.4 liter | | |
| Fuel tank | | 21.1 gal. | 80 liter | | |
| Cooling system | | 12.7 qt. | 12.0 liter | | |
| EXTERIOR DIMENSIONS: | | | | | |
| | | quattro | | | |
| Wheelbase | | 111.9 in. | 2843 mm | | |
| Track: front / rear | | 63.5 in. | 1612 mm | / | 63.7 in. 1618 mm |
| Overall length | | 193.5 in. | 4916 mm | | |
| Overall width | | 79.2 in. | 2012 mm | | |
| Height (unloaded) | | 57.4 in. | 1459 mm | | |
| Ground clearance (loaded) | | | | | |
| | man. / auto. | n.a. in. | n.a. mm | / | 4.6 in. 118 mm |
| Curb weight | man. / auto. | n.a. lbs. | n.a. kg | | 4222 lbs. 1915 kg |
| Distribution % front / rear | | | n.a. / n.a. | | 57,2 / 42,8 |
| Drag coefficient | | Cw = 0.29 | Frontal Area = 2.26 sq. m. | | |
| INTERIOR DIMENSIONS: | | | | | |
| Seating Capacity | 5 | | | | |
| EPA class | Mid-Size-Class | | | | |
| Head room front / rear | 38.7 in. | 982 mm | / | 37.8 in. | 959 mm |
| w/sunroof front / rear | 37.5 in. | 952 mm | / | 37.8 in. | 960 mm |
| Shoulder room front / rear | 57.1 in. | 1450 mm | / | 55.9 in. | 1421 mm |
| Leg room front / rear | 41.3 in. | 1050 mm | / | 36.9 in. | 938 mm |
| Int. vol. (EPA) front / rear | 52.8 cu. ft. | | / | 45.14 cu. ft. | = total of 97,94 cu. ft |
| Luggage capacity (EPA) | 15.9 cu. ft. | | | | |
| PERFORMANCE: | | | | | |
| | | quattro | | | |
| 0-50 mph (0-80kmh) | | Automatic | | | |
| 0-60 mph (0-100 km/h) | | 4.4 sec. | | | |
| 1/4 mile | | 5.8 sec. | | | |
| Top speed | | 14.2 sec. | | | |
| | Top speed is electronically limited to 130 mph (209 km/h) | | | | |
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| FUEL ECONOMY: | | | | | |
| | EPA estimate | | | | |
| | | quattro | | | |
| | | Automatic | | | |
| City | | 18 mpg | | | |
| Highway | | 25 mpg | | | |
| Combined | | 20 mpg | | | |
| FUEL ECONOMY: | | | | | |
| | Canadian Estimate | | | | |
| | | Automatic | | | |
| City | | liters/100km | | | |
| Highway | | liters/100km | | | |
| Combined | | n/a liters/100km | | | |