

2.0T Technical Specifications

The all-new B7 Audi A4



Technical Specifications		The all-new Audi A4 2.0T Sedan			
ENGINE:					
Type	Inline 4-cylinder spark-ignition engine with gasoline direct injection, exhaust turbo-charger with intercooler, 4 valves/cylinder, DOHC				
Arrangement	Front mounted, longitudinal				
Bore	3.25 in.	82.5 mm			
Stroke	3.65 in.	92.8 mm			
Displacement	121.1 cu. in.	1984 cc			
Compression ratio	10.5 : 1				
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance				
Horsepower (SAE)	200 hp	@ 5100-6000	rpm		
Max. Torque	207 lbs. ft.	@ 1800-5000	rpm		
ENGINE DESIGN:					
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				
Cooling system	Water-cooled, thermostatically controlled radiator fan				
Lubrication system	Gear pump, pressurized, full flow with oil cooler				
Fuel injection: FSI Direct Injection	<p>-The fuel is injected via a common rail system supplied by a demand-controlled high-pressure pump. The fuel is injected directly into the combustion chamber via an injector positioned at one side between the inlet valves.</p> <p>-The fuel-air mixture is distributed purely homogeneously within the combustion chamber. This provides a distinctive characteristic, placing the emphasis on high performance and agile responsiveness at all engine speeds.</p> <p>-The four-valve cylinder head with low-friction roller cam follower drive has a modified inlet duct geometry that produces even higher tumble values than the naturally-aspirated FSI engine. This results not only in greater refinement, but also in superior knock resistance and therefore efficiency.</p>				
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors				
ELECTRICAL SYSTEM:					
Battery	12 volts	80 amp/hr			
Alternator	14 volts	120 amp			
DRIVETRAIN:					
Transmissions	Audi multitronic® CVT (only FrontTrak), 6-speed manual (FrontTrak/quattro), 6-speed automatic w/tiptronic (only quattro)				
Type	Front-wheel drive		quattro		
	Manual 6-speed	multitronic® CVT	Manual 6-speed	Automatic 6-speed w/ Tiptronic®	
Gear ratios:	1st	3.667:1	2.378:1	3.667:1	4.171:1
	2nd	2.053:1	1.510:1	2.053:1	2.340:1
	3rd	1.423:1	1.080:1	1.423:1	1.521:1
	4th	1.065:1	0.840:1	1.065:1	1.143:1
	5th	0.853:1	0.670:1	0.853:1	0.867:1
	6th	0.730:1	0.544:1	0.730:1	0.691:2
	7th		0.381:1		
Front Differential	Hypoid gear, electronically locking (EDL)		Hypoid gear, electronically locking (EDL)		
Center Differential	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning				
Rear Differential	Hypoid gear, electronically locking (EDL)				
STEERING:					
Type	Maintenance-free rack-and-pinion steering with Servotronic electronic power assist				
Ratio	16.3:1				
Turns (lock-to-lock)	n.a.				
Turning circle (curb-to-curb)	36.4 ft.	11.1 m			
SUSPENSION:					
Front	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar				
Rear	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar				
BRAKES:					
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program, upgraded version 8.0 (ESP) with brake disc wiping feature; tandem brake booster				
Front, size and type	12.6 in.	320x30 mm	- Ventilated disc / ContiTeves FNRG-60		
Rear, size and type	11.3 in.	288x12 mm	- Solid disc / TRW CII-41		
Parking brake	Mechanically actuated at the rear wheels				

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Technical Specifications (continued)				The all-new Audi A4 2.0T Sedan				
WHEELS:		Standard 16" (C2F)		Optional 17" (C1X); individual option				
Size	7J x 16			7.5J x 17				
Offset	42 mm			45 mm				
Weight	10,000 g / 22 lbs			11,800 g / 26 lbs				
Type	Cast alloy			Cast alloy				
TIRES:				Optional 17" (H8A performance) or (HG6 all-season)				
Size				235 / 45 <i>C8F double-spoke wheel</i>				
Speed rating				Y or H <i>part of sport package</i>				
Construction				Radial				
Load Index				94				
Brand / Type (all approved)				<i>Michelin Pilot Primacy (performance)</i>				
				<i>Conti Sport Contact 2 (performance)</i>				
				<i>Pirelli P6 FourSeasons (all-seasons)</i>				
BODY:								
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)							
CAPACITIES:		Front wheel drive		quattro				
Engine oil	6.3 qt.	6 liter		6.3 qt.	6 liter			
Fuel tank	18.5 gal.	70 liter		16.6 gal.	63 liter			
Cooling system	9.5 qt.	9 liter		9.5 qt.	9 liter			
EXTERIOR DIMENSIONS:		Front wheel drive		quattro				
Wheelbase	104.3 in.	2648 mm		104.3 in.	2648 mm			
Track: front / rear	59.9 in.	1522 mm	/	59.9 in.	1522 mm	/	59.9 in. 1522 mm	
Overall length	180.6 in.	4586 mm		180.6 in.	4586 mm			
Overall width / with mirrors	69.8 in.	1772 mm	/	76.3 in.	1937 mm	/	76.3 in. 1937 mm	
Height (unloaded)	56.2 in.	1427 mm		56.2 in.	1427 mm			
Ground clearance (loaded)	4.2 in.	106 mm		4.2 in.	106 mm			
Curb weight: man. / auto.	3362 lbs.	1525 kg	/	3417 lbs.	1550 kg	/	3517 lbs. 1595 kg / 3583 lbs. 1625 kg	
Distribution: % front / rear	60 / 40			60 / 40			58 / 42 59 / 41	
Drag coefficient: Front / quattro	Cw = 0.33						Frontal Area = 2.18 sq.m.	
INTERIOR DIMENSIONS (SAE measurements):								
Seating Capacity	5							
EPA class	Compact							
Head room front / rear	38.4 in.	976 mm	/	37.24 in.	946 mm			
w/sunroof front / rear	37.9 in.	962 mm	/	37.1 in.	942 mm			
Shoulder room front / rear	55.1 in.	1400 mm	/	53.43 in.	1357 mm			
Leg room front / rear	41.3 in.	1050 mm	/	34.25 in.	870 mm			
Int. volume Sedan front / rear	50.7 cu. ft.	1436 liters	/	39.4 cu. ft.	1116 liters			
Luggage Capacity Sedan	13.4 cu. ft.	380 liters					103.5 = total of cu. ft (including trunk volume)	
Int. Volume Avant front / rear	50.7 cu. ft.	1436 liters	/	40.1 cu. ft.	1136 liters			
Luggage Capacity Avant	27.8 cu. ft.	787 liters					118.6 = total of cu. ft (including trunk volume)	
PERFORMANCE:		Front wheel drive		quattro				
	Manual 6-speed	multitronic® CVT		Manual 6-speed	Automatic 6-speed w/ Tiptronic®			
0-50 mph (0-80kmh)	5.1 sec.	5.1 sec.		5.3 sec.	5.5 sec.			
0-60 mph (0-100 km/h)	7.1 sec.	7.1 sec.		7.3 sec.	7.5 sec.			
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)							
FUEL ECONOMY:		EPA estimate						
	Front wheel drive		quattro					
	Manual 6-speed	multitronic® CVT		Manual 6-speed	Automatic 6-speed w/ Tiptronic®			
City	TBD mpg	24 mpg		22 mpg	22 mpg			
Highway	TBD mpg	32 mpg		31 mpg	30 mpg			
Combined	TBD mpg	27 mpg		25 mpg	25 mpg			
FUEL CONSUMPTION:		Canadian Estimate (not yet finalized)						
	Manual 6-speed		multitronic® CVT		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
City	TBD liters/100km	9.8 liters/100km			10.6 liters/100km	10.8 liters/100km		
Highway	TBD liters/100km	6.7 liters/100km			7 liters/100km	7.2 liters/100km		

2.0T Technical Specifications

The all-new B7 Audi A4



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The all-new B7 Audi A4



Technical Specifications (continued)		The all-new Audi A4 2.0T Avant			
WHEELS:		Standard 16" (C2F)		Optional 17" (C1X); individual option	
Size	7J x 16	7.5J x 17			
Offset	42 mm	45 mm			
Weight	10,000 g / 22 lbs	11,800 g / 26 lbs			
Type	Cast alloy	Cast alloy			
TIRES:		Optional 17" (H8A performance) or (HG6 all-season)			
Size		235 / 45 C8F double-spoke wheel			
Speed rating		Y or H part of sport package			
Construction		Radial			
Load Index		94			
Brand / Type (all approved)		Michelin Pilot Primacy (performance)			
		Conti Sport Contact 2 (performance)			
		Pirelli P6 FourSeasons (all-seasons)			
BODY:					
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)				
CAPACITIES:					
		quattro			
Engine oil		6.3 qt.	6 liter		
Fuel tank		16.6 gal.	63 liter		
Cooling system		9.5 qt.	9 liter		
EXTERIOR DIMENSIONS:					
		quattro			
Wheelbase		104.3 in.	2648 mm		
Track: front / rear		59.9 in.	1522 mm	/ 60 in.	1522 mm
Overall length		180.6 in.	4586 mm		
Overall width / with mirrors		69.8 in.	1772 mm	/ 76.3 in.	1937 mm
Height (unloaded)		56.2 in.	1427 mm		
Ground clearance (loaded)		4.2 in.	106 mm		
Curb weight: man. / auto.		3605 lbs.	1635 kg	/ 3715 lbs.	1685 kg
Distribution: % front / rear		58 / 42		59 / 41	
Drag coefficient: Front / quattro	Cw = 0.33	Frontal Area = 2.18 sq.m.			
INTERIOR DIMENSIONS (SAE measurements):					
Seating Capacity	5				
EPA class	Compact				
Head room front / rear	38.4 in.	976 mm	/	37.6 in.	956 mm
w/sunroof front / rear	37.9 in.	962 mm	/	37.2 in.	946 mm
Shoulder room front / rear	55.1 in.	1400 mm	/	53.43 in.	1357 mm
Leg room front / rear	41.3 in.	1050 mm	/	34.25 in.	870 mm
Int. volume Sedan front / rear	50.7 cu. ft.	1436 liters	/	39.4 cu. ft.	1116 liters
Luggage Capacity Sedan	13.4 cu. ft.	380 liters	103.5 = total of cu. ft (including trunk volume)		
Int. Volume Avant front / rear	50.7 cu. ft.	1436 liters	/	40.1 cu. ft.	1136 liters
Luggage Capacity Avant	27.8 cu. ft.	787 liters	118.6 = total of cu. ft (including trunk volume)		
PERFORMANCE:					
		quattro			
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
0-50 mph (0-80kmh)		5.3 sec.		5.5 sec.	
0-60 mph (0-100 km/h)		7.4 sec.		7.6 sec.	
Top speed					
FUEL ECONOMY:					
		quattro			
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
City		22 mpg		22 mpg	
Highway		31 mpg		30 mpg	
Combined		25 mpg		25 mpg	
FUEL CONSUMPTION:					
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
City		10.6 liters/100km		10.8 liters/100km	
Highway		7 liters/100km		7.2 liters/100km	

3.2 Technical Specifications

The all-new B7 Audi A4



Technical Specifications		The all-new Audi A4 3.2 Sedan	
ENGINE:			
Type	Aluminum V6 spark-ignition engine with gasoline direct injection, DOHC, 2-stage variable intake manifold w/2 charge movement flaps, demand-controlled high-pressure and low-pressure fuel system		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	190.565 cu. in.	3123 cc	
Compression ratio	10.1 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	255 hp	@ 6500 rpm	
Torque	243 lbs. ft.	@ 3250 rpm	
ENGINE DESIGN:			
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		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection: FSI Direct Injection	<p>-A common rail high-pressure injection system with a newly developed single-piston high-pressure pump operating on demand ensures exactly the right amount of fuel, delivering precisely the volume required for building up operating pressure between 30 and 110 bar.</p> <p>-The intake tract, also comprising the two-stage variable intake manifold, moving charge-movement flaps provide the necessary tumble effect, swirling the induced air around depending on operating point. In order to achieve the high specific power and torque values, a new combustion process has been developed. This has the potential for worldwide application and for operation on the fuel grade RON 95/91. Together with the optimum geometry of the combustion chambers and the dosage of fuel injected with supreme accuracy down to the last millisecond, this allows a significant increase in compression:</p> <p>-While conventional production engines generally have a compression ratio of now more than 10.5 : 1, the compression ration on Audi's 3.2 FSI power unit is 12.5 : 1 - a record on production cars and the essential prerequisite for the new engine's high standard of efficiency.</p>		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmissions	6-speed automatic with Tiptronic®		
Type	quattro		
	Automatic 6-speed w/ Tiptronic®		
Gear ratios:	1st	3.665:1	
	2nd	1.999:1	
	3rd	1.407:1	
	4th	1.000:1	
	5th	0.742:1	
	6th	-	
	Final Drive	3.091:1	
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSSEN® (TORque SENSing) differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Maintenance-free rack-and-pinion steering with Servotronic electronic power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program, upgraded version 8.0 (ESP) with brake disc wiping feature; tandem brake booster		
Front, size and type	12.6 in.	320x30 mm	- Ventilated disc / ContiTeves FNRG-60
Rear, size and type	11.3 in.	288x12 mm	- Solid disc / TRW CII-41
Parking brake	Mechanically actuated at the rear wheels		

3.2 Technical Specifications

The all-new B7 Audi A4



Technical Specifications (continued)		The all-new Audi A4 3.2 Sedan			
WHEELS:		Standard 17" (C1X)			
Size		7.5J x 17			
Offset		45 mm			
Weight		11,800 g / 26 lbs			
Type		Cast alloy			
TIRES:		Optional 17" (H8A performance) or (HG6 all-season)			
Size		235 / 45 <i>C8F double-spoke wheel</i>			
Speed rating		Y or H			
Construction		Radial			
Load Index		94			
Brand / Type (all approved)		<i>Michelin Pilot Primacy (performance)</i>			
		<i>Conti Sport Contact 2 (performance)</i>			
		<i>Pirelli P6 FourSeasons (all-seasons)</i>			
BODY:					
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)				
CAPACITIES:					
		quattro			
Engine oil		6.3 qt.	6 liter		
Fuel tank		16.6 gal.	63 liter		
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Drag coefficient	Cw = 0.31 Frontal Area = 2.18 sq. m.				
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Seating Capacity	5				
EPA class	Compact				
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		Automatic			
0-50 mph (0-80kmh)	4.8 sec.				
0-60 mph (0-100 km/h)	6.6 sec.				
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)				
FUEL ECONOMY:					
EPA estimate					
		quattro			
		Automatic			
City	19 mpg				
Highway	26 mpg				
Combined	21 mpg				
FUEL CONSUMPTION:					
Canadian Estimate					
		Automatic			
City	12.6 liters/100km				
Highway	8.2 liters/100km				

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Stroke	3.65 in.	92.8 mm	
Displacement	190.565 cu. in.	3123 cc	
Compression ratio	10.1 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	255 hp	@ 6500 rpm	
Torque	243 lbs. ft.	@ 3250 rpm	
ENGINE DESIGN:			
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		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection: FSI Direct Injection	<p>-A common rail high-pressure injection system with a newly developed single-piston high-pressure pump operating on demand ensures exactly the right amount of fuel, delivering precisely the volume required for building up operating pressure between 30 and 110 bar.</p> <p>-The intake tract, also comprising the two-stage variable intake manifold, moving charge-movement flaps provide the necessary tumble effect, swirling the induced air around depending on operating point. In order to achieve the high specific power and torque values, a new combustion process has been developed. This has the potential for worldwide application and for operation on the fuel grade RON 95/91. Together with the optimum geometry of the combustion chambers and the dosage of fuel injected with supreme accuracy down to the last millisecond, this allows a significant increase in compression:</p> <p>-While conventional production engines generally have a compression ratio of now more than 10.5 : 1, the compression ration on Audi's 3.2 FSI power unit is 12.5 : 1 - a record on production cars and the essential prerequisite for the new engine's high standard of efficiency.</p>		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmissions	6-speed automatic with Tiptronic®		
Type	quattro		
	Automatic 6-speed w/ Tiptronic®		
Gear ratios:	1st	3.665:1	
	2nd	1.999:1	
	3rd	1.407:1	
	4th	1.000:1	
	5th	0.742:1	
	6th	-	
	Final Drive	3.091:1	
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Maintenance-free rack-and-pinion steering with Servotronic electronic power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program, upgraded version 8.0 (ESP) with brake disc wiping feature; tandem brake booster		
Front, size and type	12.6 in.	320x30 mm	- Ventilated disc / ContiTeves FNRG-60
Rear, size and type	11.3 in.	288x12 mm	- Solid disc / TRW CII-41
Parking brake	Mechanically actuated at the rear wheels		

3.2 Technical Specifications

The all-new B7 Audi A4



Technical Specifications (continued)		The all-new Audi A4 3.2 Avant			
WHEELS:		Standard 17" (C1X)			
Size		7.5J x 17			
Offset		45 mm			
Weight		11,800 g / 26 lbs			
Type		Cast alloy			
TIRES:		Optional 17" (H8A performance) or (HG6 all-season)			
Size		235 / 45 <i>C8F double-spoke wheel</i>			
Speed rating		Y or H			
Construction		Radial			
Load Index		94			
Brand / Type (all approved)		<i>Michelin Pilot Primacy (performance)</i> <i>Conti Sport Contact 2 (performance)</i> <i>Pirelli P6 FourSeasons (all-seasons)</i>			
BODY:					
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)			
CAPACITIES:					
		quattro			
Engine oil		6.3 qt.	6 liter		
Fuel tank		16.6 gal.	63 liter		
Cooling system		9.5 qt.	9 liter		
EXTERIOR DIMENSIONS:					
		quattro			
Wheelbase		104.3 in.	2648 mm		
Track: front / rear		59.9 in.	1522 mm	/ 59.9 in.	1522 mm
Overall length		180.6 in.	4586 mm		
Overall width / with mirrors		69.8 in.	1772 mm	/ 76.3 in.	1937 mm
Height (unloaded)		56.2 in.	1427 mm		
Ground clearance (loaded)		4.2 in.	106 mm		
Curb weight man. / auto.				3858 lbs.	1750 kg
Distribution % front / rear		58 / 42		59 / 41	
Drag coefficient		Cw = 0.31	Frontal Area = 2.18 sq. m.		
INTERIOR DIMENSIONS (SAE measurements):					
Seating Capacity		5			
EPA class		Compact			
Head room front / rear		38.4 in.	976 mm	/	37.6 in. 956 mm
w/sunroof front / rear		37.9 in.	962 mm	/	37.2 in. 946 mm
Shoulder room front / rear		55.1 in.	1400 mm	/	53.43 in. 1357 mm
Leg room front / rear		41.3 in.	1050 mm	/	34.25 in. 870 mm
Int. volume Sedan front / rear		50.7 cu. ft.	1436 liters	/	39.4 cu. ft. 1116 liters
Luggage Capacity Sedan		13.4 cu. ft.	380 liters	103.5 = total of cu. ft (including trunk volume)	
Int. Volume Avant front / rear		50.7 cu. ft.	1436 liters	/	40.1 cu. ft. 1136 liters
Luggage Capacity Avant		27.8 cu. ft.	787 liters	118.6 = total of cu. ft (including trunk volume)	
PERFORMANCE:					
		quattro			
		Automatic			
0-50 mph (0-80kmh)		5.0 sec.			
0-60 mph (0-100 km/h)		6.8 sec.			
Top speed		Top speed is electronically limited at 130 MPH (208 km/h)			
FUEL ECONOMY:					
EPA estimate					
		quattro			
		Automatic			
City		19 mpg			
Highway		26 mpg			
Combined		21 mpg			
FUEL CONSUMPTION:					
Canadian Estimate					
		Automatic			
City		12.6 liters/100km			
Highway		8.2 liters/100km			