

# 2006 U.S. Passat Sedan 2.0T Value Edition

## Technical Specifications



Published: 9/30/2005  
 Last Revised: 9/30/2005  
 Version: 1.70

ENGINE	
Type	Inline four-cylinder spark-ignition engine with fuel straight injection, exhaust turbocharger with intercooler, four valves per cylinder, double overhead camshafts (DOHC)
Bore	3.2 in. 82.5 mm
Stroke	3.7 in. 92.8 mm
Displacement	121 cu. in. 1,984 ccm
Compression Ratio	10.3:1
Horsepower (SAE) @ rpm	200 @ 5,100 - 6000 RPM
Maximum torque, lbs - ft @ rpm	207 lb- ft. 280 Nm @ 1800 - 5000 rpm
Fuel Requirement	Unleaded 95 octane (unleaded 91 octane alternative with slight reduction in performance)
Firing Order	1-3-4-2
Engine Management / Ignition System	Fully electronic engine management with drive-by-wire throttle control, direct injection, adaptive lambda control; mapped ignition with cylinder selective ignition coil, cylinder-selective adaptive knock control

ENGINE DESIGN	
Arrangement	Front mounted, transversal
Cylinder Block	Cast iron
Crank Shaft	Forged steel, five main bearings
Cylinder Head	Aluminum alloy
Valve Train	DOHC, belt driven, hydraulic lifters
Cooling System	Water-cooled, thermostatically controlled radiator fan
Lubrication	Gear pump, pressurized, full flow with oil cooler
Fuel / Air Supply	Fuel Straight Injection (FSI) into cylinders, turbo charger/intercooler
Emissions	Under bonnet ceramic precatalyst with catalyst heating function via homogenous split dual injection <b>Bin 8 EPA Federal Emissions concept</b> <b>Bin 8 California Emissions Concept</b>

ELECTRICAL SYSTEM	
Alternator - V/A	14 volts 140 amp
Battery - V/Ah	12 volts 60 amp x h

DRIVE TRAIN		
Transmission	Automatic: 6-speed with Tiptronic® Manual: 6-speed	
Drive train	Front wheel drive	
Transmission Gear Ratios:1	Manual	Automatic
	1st	3.36 4.04
	2nd	2.09 2.37
	3rd	1.47 1.56
	4th	1.10 1.16
	5th	1.11 0.85
	6th	0.93 0.67
Reverse	3.99 3.19	
Final	3.94 / 3.09 3.50	

CAPACITIES	
Engine Oil (with filter)	4.4 qt 4.2 L
Fuel Tank	18.5 gal 70 L
Cooling System	7.6 qt 7.2 L
Wiper Fluid	2.6 qt 2.5 L

STEERING	
Type	Electromechanical power steering, dual-pinion
Turns (lock to lock)	3.0
Turning Circle (curb to curb)	35.8 ft 10.9 m
Ratio	16.4:1

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### INTERIOR VOLUME - SAE

EPA Class	Mid-size			
Seating Capacity	Five			
Passenger Volume	96.3	ft <sup>3</sup>	2.75	m <sup>3</sup>
Cargo Volume	14.2	ft <sup>3</sup>	0.4	m <sup>3</sup>
Cargo Volume with rear seat folded	--	ft <sup>3</sup>	--	m <sup>3</sup>
	<b>Front</b>		<b>Rear</b>	
Volume	51.2	ft <sup>3</sup>	1.45	m <sup>3</sup>
Head Room	38.4	in	976	mm
Shoulder Room	55.7	in	1,415	mm
Leg Room	41.4	in	1,052	mm

### BODY, CHASSIS AND SUSPENSION

Type	Unitized construction, bolt-on fenders, fully galvanized			
Front Suspension	McPherson concept with triangular wishbones, coil springs, telescopic shock absorbers, stabilizer bar			
Rear Suspension	Four-link independent rear suspension with telescopic shock absorber arrangement, weight optimized anti-roll bar. Axle acoustically decoupled from body.			
Service Brakes	Power assisted front vented disc brakes. Rear solid disc brakes.			
Front, size	12.3	in.	312	mm
Rear, size	11	in.	280	mm
Anti-Lock Braking System	TRW EBC 440, with Electronic Stabilization Program with Brake Assist all four wheels			
Parking Brake	Activated by electronic button located on dash, effective on rear wheels			
Wheels/Tires	6 1/2J X 16" steel wheels, with full wheel cover			
	215/55 R16 97H, all season tires			
Drag Coefficient	.284			

### DIMENSIONS\*

Wheelbase	106.7	in	2,709	mm
Front Track	61.1	in	1,552	mm
Rear Track	61.1	in	1,552	mm
Length	188.2	in	4,780	mm
Width	71.7	in	1,820	mm
Height	58.0	in	1,472	mm
Ground Clearance	5.2	in	131	mm

\*curb weight

<b>WEIGHTS</b>		<b>Manual</b>		<b>Automatic</b>	
Curb Weight		3,305	lbs	1,499	kg
	Front	1,940	lbs	880	kg
	Rear	1,365	lbs	619	kg
Payload		1,140	lbs	517	kg

<b>FUEL CONSUMPTION</b>		<b>Manual</b>	<b>Automatic</b>
City mpg		23 mpg	22 mpg
Highway mpg		32 mpg	31 mpg
City L/100km			
Highway L/100km			

\*values contingent upon confirmation from Federal Agencies

<b>PERFORMANCE</b>		<b>Manual</b>		<b>Automatic</b>	
0-60 mph		6.9	seconds	7.4	seconds
Top Speed		130	mph	130	mph

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Stroke	3.7 in. 92.8 mm
Displacement	121 cu. in. 1,984 ccm
Compression Ratio	10.3:1
Horsepower (SAE) @ rpm	200 @ 5,100 - 6000 RPM
Maximum torque, lbs - ft @ rpm	207 lb- ft. 280 Nm @ 1800 - 5000 rpm
Fuel Requirement	Unleaded 95 octane (unleaded 91 octane alternative with slight reduction in performance)
Firing Order	1-3-4-2
Engine Management / Ignition System	Fully electronic engine management with drive-by-wire throttle control, direct injection, adaptive lambda control; mapped ignition with cylinder selective ignition coil, cylinder-selective adaptive knock control

ENGINE DESIGN	
Arrangement	Front mounted, transversal
Cylinder Block	Cast iron
Crank Shaft	Forged steel, five main bearings
Cylinder Head	Aluminum alloy
Valve Train	DOHC, belt driven, hydraulic lifters
Cooling System	Water-cooled, thermostatically controlled radiator fan
Lubrication	Gear pump, pressurized, full flow with oil cooler
Fuel / Air Supply	Fuel Straight Injection (FSI) into cylinders, turbo charger/intercooler
Emissions	Under bonnet ceramic precatalyst with catalyst heating function via homogenous split dual injection
	<b>Bin 8 EPA Federal Emissions concept</b>
	<b>Bin 8 California Emissions Concept</b>

ELECTRICAL SYSTEM	
Alternator - V/A	14 volts 140 amp
Battery - V/Ah	12 volts 60 amp x h

DRIVE TRAIN			
Transmission	Automatic: 6-speed with Tiptronic® Manual: 6-speed		
Drive train	Front wheel drive		
Transmission Gear Ratios:1	Manual	Automatic	
	1st	3.36	4.04
	2nd	2.09	2.37
	3rd	1.47	1.56
	4th	1.10	1.16
	5th	1.11	0.85
	6th	0.93	0.67
	Reverse	3.99	3.19
	Final	3.94 / 3.09	3.50

CAPACITIES	
Engine Oil (with filter)	4.4 qt 4.2 L
Fuel Tank	18.5 gal 70 L
Cooling System	7.6 qt 7.2 L
Wiper Fluid	2.6 qt 2.5 L

STEERING	
Type	Electromechanical power steering, dual-pinion
Turns (lock to lock)	3.0
Turning Circle (curb to curb)	35.8 ft 10.9 m
Ratio	16.4:1

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### INTERIOR VOLUME - SAE

EPA Class	Mid-size			
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Passenger Volume	96.3	ft <sup>3</sup>	2.75	m <sup>3</sup>
Cargo Volume	14.2	ft <sup>3</sup>	0.4	m <sup>3</sup>
Cargo Volume with rear seat folded	--	ft <sup>3</sup>	--	m <sup>3</sup>
	<b>Front</b>		<b>Rear</b>	
Volume	51.2	ft <sup>3</sup>	1.45	m <sup>3</sup>
Head Room	38.4	in	976	mm
Shoulder Room	55.7	in	1,415	mm
Leg Room	41.4	in	1,052	mm

### BODY, CHASSIS AND SUSPENSION

Type	Unitized construction, bolt-on fenders, fully galvanized			
Front Suspension	McPherson concept with triangular wishbones, coil springs, telescopic shock absorbers, stabilizer bar			
Rear Suspension	Four-link independent rear suspension with telescopic shock absorber arrangement, weight optimized anti-roll bar. Axle acoustically decoupled from body.			
Service Brakes	Power assisted front vented disc brakes. Rear solid disc brakes.			
Front, size	12.3	in.	312	mm
Rear, size	11	in.	280	mm
Anti-Lock Braking System	TRW EBC 440, with Electronic Stabilization Program with Brake Assist all four wheels			
Parking Brake	Activated by electronic button located on dash, effective on rear wheels			
Wheels/Tires	7J X 16" alloy wheels, with alloy wheel cover			
	7 1/2J X 17" alloy wheels, with alloy wheel cover (optional equipment)			
	215/55 R16 97H, all season tires			
	235/45 R17 97H, all season tires -- (optional equipment)			
Drag Coefficient	.284			

### DIMENSIONS\*

Wheelbase	106.7	in	2,709	mm
Front Track	61.1	in	1,552	mm
Rear Track	61.1	in	1,552	mm
Length	188.2	in	4,780	mm
Width	71.7	in	1,820	mm
Height	58.0	in	1,472	mm
Ground Clearance	5.2	in	131	mm

\*curb weight

<b>WEIGHTS</b>		<b>Manual</b>		<b>Automatic</b>					
Curb Weight		3,305	lbs	1,499	kg	3,344	lb	1,517	kg
	Front	1,940	lbs	880	kg	1,982	lb	899	kg
	Rear	1,365	lbs	619	kg	1,362	lb	618	kg
Payload		1,140	lbs	517	kg	1,144	lb	519	kg

<b>FUEL CONSUMPTION</b>		<b>Manual</b>		<b>Automatic</b>	
City mpg		23	mpg	22	mpg
Highway mpg		32	mpg	31	mpg
City L/100km					
Highway L/100km					

\*values contingent upon confirmation from Federal Agencies

<b>PERFORMANCE</b>		<b>Manual</b>		<b>Automatic</b>	
0-60 mph		6.9	seconds	7.4	seconds
Top Speed		130	mph	130	mph

# 2006 U.S. Passat Sedan 3.6L

## Technical Specifications



Published: 9/30/2005  
 Last Revised: 8/26/2005  
 Version: 1.70

### ENGINE

Type	6 cylinder, 4V, 10.6°, FSI			
Bore	3.50	in	89.0	mm
Stroke	3.80	in	96.4	mm
Displacement	219.4	in <sup>3</sup>	3,597	cm <sup>3</sup>
Compression Ratio	12:01			
Horsepower (SAE) @ rpm	280 @ 6,200 (206 kW @ 6,200)			
Maximum torque, lbs - ft @ rpm	265 @ 2,750 (360 Nm @ 2,750)			
Fuel Requirement	Premium fuel recommended for maximum performance			
Firing Order	1-5-3-6-2-4			
Engine Management	Bosch Motronic MED 9			

### ENGINE DESIGN

Arrangement	Front mounted, transverse			
Cylinder Block	Cast iron			
Crank Shaft	Cast iron, seven main bearings			
Cylinder Head	Aluminum alloy, cross flow			
Valve Train	Dual overhead camshaft, chain driven, four valves per cylinder, maintenance free hydraulic lifters, variable valve timing			
Cooling System	Water cooled, water pump, cross flow radiator, sensor-controlled continuously variable regulated cooler			
Lubrication	Chain-driven duo centric oil pump			
Fuel / Air Supply	Sequential multi-point fuel direct injection (Motronic), variable intake manifold, variable intake and exhaust cam timing			
Emissions	LEV II California Emissions Concept LEV, Tier2 Bin5, OBD II, ORVR (onboard refueling vapor recovery), EVAP LEV2			

### ELECTRICAL SYSTEM

Alternator - V/A	14 volts	140	amp
Battery - V/Ah	12 volts	60	amp x h

### DRIVE TRAIN

Drive train	Front wheel drive		
Transmission Gear Ratios:1		Manual	Automatic
	1st	--	3.95
	2nd	--	2.30
	3rd	--	1.55
	4th	--	1.16
	5th	--	0.86
	6th	--	0.69
	Reverse	--	3.42
	Final	--	3.453

### CAPACITIES

Engine Oil (with filter)	5.8	qt	5.5	L
Fuel Tank	18.5	gal	70	L
Cooling System	8.5	qt	8.0	L
Wiper Fluid	2.6	qt	2.5	L

### STEERING

Type	Electromechanical power steering, dual-pinion		
Turns (lock to lock)	3.0		
Turning Circle (curb to curb)	35.8	ft	10.9 m
Ratio	16.4:1		

# 2006 U.S. Passat Sedan 3.6L

## Technical Specifications



Published: 9/30/2005  
Last Revised: 8/26/2005

### INTERIOR VOLUME - SAE

EPA Class	Mid-size			
Seating Capacity	Five			
Passenger Volume	95.2	ft <sup>3</sup>	2.72	m <sup>3</sup>
Cargo Volume	14.2	ft <sup>3</sup>	0.4	m <sup>3</sup>
Cargo Volume with rear seat folded	--	ft <sup>3</sup>	--	m <sup>3</sup>
	<b>Front</b>		<b>Rear</b>	
Volume	50.2	ft <sup>3</sup>	1.42	m <sup>3</sup>
Head Room	38.4	in	976	mm
Shoulder Room	55.7	in	1,415	mm
Leg Room	41.4	in	1,052	mm

### BODY, CHASSIS AND SUSPENSION

Type	Unitized construction, bolt-on fenders, fully galvanized			
Front Suspension	McPherson concept with triangular wishbones, coil springs, telescopic shock absorbers, stabilizer bar			
Rear Suspension	Four-link independent rear suspension with telescopic shock absorber arrangement, weight optimized anti-roll bar. Axle acoustically decoupled from body.			
Service Brakes	Power assisted front vented disc brakes. Rear solid disc brakes.			
Front, size	12.3	in.	312	mm
Rear, size	11	in.	280	mm
Anti-Lock Braking System	TRW EBC 440, with Electronic Stabilization Program with Brake Assist all four wheels			
Parking Brake	Activated by electronic button located on dash, effective on rear wheels			
Wheels/Tires	7 1/2J X 17" alloy wheels 235/45 R17 97H, all season tires 8J x 18" alloy wheel 235/40 R18 95W x 1, all season tires			
Drag Coefficient	.284			

### DIMENSIONS\*

Wheelbase	106.7	in	2,709	mm
Front Track	61.1	in	1,552	mm
Rear Track	61.1	in	1,552	mm
Length	188.2	in	4,780	mm
Width	71.7	in	1,820	mm
Height	58.0	in	1,472	mm
Ground Clearance	5.2	in	131	mm

\*curb weight

### WEIGHTS

	Manual				Automatic			
Curb Weight	--	lbs	--	kg	3,576	lb	1,622	kg
Front	--	lbs	--	kg	2,103	lb	954	kg
Rear	--	lbs	--	kg	1,473	lb	668	kg
Payload	--	lbs	--	kg	1,177	lb	534	kg

### FUEL CONSUMPTION

	Manual	Automatic
City mpg	--	19
Highway mpg	--	28
City L/100km	--	12.3
Highway L/100km	--	7.7

\*values contingent upon confirmation from Federal Agencies

### PERFORMANCE

	Manual	Automatic
0-60 mph	--	6.6 seconds
Top Speed	--	130 mph

# 2006 U.S. Passat Sedan 3.6L 4Motion®

## Technical Specifications



Published: 9/30/2005  
 Last Revised: 8/26/2005  
 Version: 1.70

### ENGINE

Type	6 cylinder, 4V, 10.6°, FSI			
Bore	3.50	in	89.0	mm
Stroke	3.80	in	96.4	mm
Displacement	219.4	in <sup>3</sup>	3,597	cm <sup>3</sup>
Compression Ratio	12:01			
Horsepower (SAE) @ rpm	280 @ 6,200 (206 kW @ 6,200)			
Maximum torque, lbs - ft @ rpm	265 @ 2,750 (360 Nm @ 2,750)			
Fuel Requirement	Premium fuel recommended for maximum performance			
Firing Order	1-5-3-6-2-4			
Engine Management	Bosch Motronic MED 9			

### ENGINE DESIGN

Arrangement	Front mounted, transverse			
Cylinder Block	Cast iron			
Crank Shaft	Cast iron, seven main bearings			
Cylinder Head	Aluminum alloy, cross flow			
Valve Train	Dual overhead camshaft, chain driven, four valves per cylinder, maintenance free hydraulic lifters, variable valve timing			
Cooling System	Water cooled, water pump, cross flow radiator, sensor-controlled continuously variable regulated cooler			
Lubrication	Chain-driven duo centric oil pump			
Fuel / Air Supply	Sequential multi-point fuel direct injection (Motronic), variable intake manifold, variable intake and exhaust cam timing			
Emissions	LEV II California Emissions Concept LEV, Tier2 Bin5, OBD II, ORVR (onboard refueling vapor recovery), EVAP LEV2			

### ELECTRICAL SYSTEM

Alternator - V/A	14 volts	140	amp
Battery - V/Ah	12 volts	60	amp x h

### DRIVE TRAIN

Drive train	4MOTION® all-wheel drive system with Haldex center differential		
		Manual	Automatic
Transmission Gear Ratios:1	1st	--	3.95
	2nd	--	2.30
	3rd	--	1.55
	4th	--	1.16
	5th	--	0.86
	6th	--	0.69
	Reverse	--	3.42
	Final	--	3.453

### CAPACITIES

Engine Oil (with filter)	5.8	qt	5.5	L
Fuel Tank	18.5	gal	70	L
Cooling System	8.5	qt	8.0	L
Wiper Fluid	2.6	qt	2.5	L

### STEERING

Type	Electromechanical power steering, dual-pinion		
Turns (lock to lock)	3.0		
Turning Circle (curb to curb)	35.8	ft	10.9 m
Ratio	16.4:1		

# 2006 U.S. Passat Sedan 3.6L 4Motion®

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### INTERIOR VOLUME - SAE

EPA Class	Mid-size			
Seating Capacity	Five			
Passenger Volume	96.3	ft <sup>3</sup>	2.72	m <sup>3</sup>
Cargo Volume	14.2	ft <sup>3</sup>	0.4	m <sup>3</sup>
Cargo Volume with rear seat folded	--	ft <sup>3</sup>	--	m <sup>3</sup>
	<b>Front</b>		<b>Rear</b>	
Volume	50.2	ft <sup>3</sup>	1.42	m <sup>3</sup>
Head Room	38.4	in	976	mm
Shoulder Room	55.7	in	1,415	mm
Leg Room	41.4	in	1,052	mm

### BODY, CHASSIS AND SUSPENSION

Type	Unitized construction, bolt-on fenders, fully galvanized			
Front Suspension	McPherson concept with triangular wishbones, coil springs, telescopic shock absorbers, stabilizer bar			
Rear Suspension	Four-link independent rear suspension with telescopic shock absorber arrangement, weight optimized anti-roll bar. Axle acoustically decoupled from body.			
Service Brakes	Power assisted front vented disc brakes. Rear solid disc brakes.			
Front, size	12.3	in.	312	mm
Rear, size	11	in.	280	mm
Anti-Lock Braking System	TRW EBC 440, with Electronic Stabilization Program with Brake Assist all four wheels			
Parking Brake	Activated by electronic button located on dash, effective on rear wheels			
Wheels/Tires	7 1/2J X 17" alloy wheels 235/45 R17 97H, all season tires 8J x 18" alloy wheel 235/40 R18 95W x 1, all season tires			
Drag Coefficient	.284			

### DIMENSIONS\*

Wheelbase	106.7	in	2,709	mm
Front Track	61.1	in	1,552	mm
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Height	58.0	in	1,472	mm
Ground Clearance	5.2	in	131	mm

\*curb weight

### WEIGHTS

	Manual				Automatic			
Curb Weight	--	lbs	--	kg	3,829	lb	1,737	kg
Front	--	lbs	--	kg	2,180	lb	989	kg
Rear	--	lbs	--	kg	1,649	lb	748	kg
Payload	--	lbs	--	kg	1,210	lb	549	kg

### FUEL CONSUMPTION

	Manual	Automatic
City mpg	--	18
Highway mpg	--	27
City L/100km	--	12.8
Highway L/100km	--	8.0

\*values contingent upon confirmation from Federal Agencies

### PERFORMANCE

	Manual	Automatic
0-60 mph	--	6.2 seconds
Top Speed	--	130 mph