
2005 U.S./Canadian Phaeton Product Program



Published: 2/7/2005
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Model	Engine	Transmission
Phaeton V8	4.2L, 335 hp, 8 cylinder	6-speed automatic with Tiptronic
Phaeton W12	6.0L, 420 hp, 12 cylinder	5-speed automatic with Tiptronic

2005 U.S./Canadian Phaeton Standard Equipment



Legend:

S Standard, at no additional charge O Option, at additional charge
P Part of option package, at additional package charge - Not available

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EXTERIOR		V8	W12	
Antenna	Integrated rear window radio diversity antenna	S	S	
	Roof mounted body-colored antenna for use with Volkswagen Telematics by OnStar	S	S	
	GPS antenna for use with the navigation system	S	S	
Anti-Corrosion	Fully galvanized sheet metal	S	S	
Badging	Model badge located under rear logo	S	S	
	Rear/driver's side/engine badge	-	S	
	Rear/passenger side/engine displacement badge	-	S	
Body Panels	Crash optimized front end	S	S	
Brake lights	Center high mounted stop lamp in bottom of rear window	S	S	
Bumpers	Body color bumpers with black lower section	S	S	
	Dual exhaust pipes	S	-	
	Four exhaust pipes	-	S	
Doors	Four doors	S	S	
	Body color door handles with chrome inlay	S	S	
	Side door sills in chrome	S	S	
	Keyless access. Entry into vehicle is permitted through a sensor in the exterior door handle. Vehicle can be locked via button located on exterior door handle	O	O	
	Soft close doors	S	S	
	Roof mounted body-colored antenna for use with Volkswagen Telematics by OnStar	S	S	
	Fuel Tank	Fuel cap with string attachment and notched edge	S	S
Glass	Gray band on upper windshield	S	S	
	Dual pane tinted glass green	S	S	
	Infrared and heat reflecting glass	-	S	
Grille	Chrome grille with logo	S	S	
Lights, Front/Rear	High Intensity Gas-discharge headlamps (Xenon) and independent dual cycle headlight washer system with clear lightweight, chip resistant polycarbonate lenses	S	S	
	Daytime Running Lights (DRL). Upon start-up of vehicle, headlights engage with reduced power. Instrument panel lighting, parking lights and taillights remain off. "DRL" illuminates in instrument panel. To engage all lights with full power, the light switch must be turned to the on position	S	S	
	Automatic headlights with coming home and leaving home feature. Headlights will remain on upon approach and exit from vehicle for a set length. Length is determined by the driver through the multi-function onboard computer	S	S	
	Halogen projector lens fog lights, integrated into front bumper	S	S	
	Side blinkers integrated into side exterior mirrors	S	S	
	Mirrors	Body color mirror housings with integrated side blinkers	S	S
	Driver and passenger side power exterior mirrors. Passenger side exterior mirror automatically tilts down to aid in reversing. Passenger side exterior mirror must be selected when shifting into reverse for feature to function	S	S	
Driver and passenger heatable exterior mirrors	S	S		
Driver and passenger power flush folding exterior mirrors	S	S		
Driver and passenger auto dimming exterior mirrors	S	S		
Driver and passenger exterior mirrors with memory function	S	S		
Integrated flood lights mounted underneath of exterior mirrors. Aid in exiting and entering vehicle	S	S		
Moldings/Panels	Chrome applications to exterior side window frames	S	S	
Special Features	Electronic Parking Assistance	P	O	
Roof	Power glass sunroof with tilt, slide, preselect, tinted glass, power sunshade, pinch protection, and driver's door power lock operated convenience opening and closing feature	S	S	
Tires	235/55 R17 H, all season tires (snow chain compatible)	O	O	
	255/45 R18 H, all season tires	S	S	
	235/55 R17 H, all season full size spare tire with original equipment wheel and tire (snow chain compatible)	O	O	
	255/45 R18 H, all season full size spare tire with original equipment wheel and tire	S	S	
	Direct tire pressure monitoring system. System can be disabled/enabled through multi-function onboard computer	S	S	
Wheels	7.5 J X 17" alloy wheel	O	O	
	8.5 J X 18" alloy wheel	S	S	
	Anti-theft wheel locks	S	S	
Wipers/Washer	Aero windshield wipers	S	S	
	Rain sensor, automatic wiper speed control	S	S	
	Heated windshield washer nozzles, front	S	S	
Trunk/Cargo Area	Trunk closing assist	S	S	
	Power opening/closing trunk	P	S	

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INTERIOR		V8	W12
Air Conditioning	Four-zone climate control (Climatronic). Driver, front passenger and rear passenger settings for automatic climate control system operable from multi-function onboard computer	S	S
	Rear climate controls and display for rear passengers	P	S
Alarm/Anti-theft	Anti-theft vehicle alarm system with anti-tow alarm and interior motion sensor for doors, hood, trunk, radio, and starter interrupt, with warning LED in door top sill and with audible and visual activation	S	S
	Immobilizer III theft deterrent system	S	S
Armrest	Large front center armrests with storage compartment	S	S
	Individual front and rear armrests with storage compartment	P	P
	Rear center armrest, foldable with storage compartment, first aid kit and integrated cupholders	S	S
Ashtray	Individual rear center armrests with storage compartment	P	P
	Non-smoker package	S	S
Assist Handles	Front and rear ashtray with lighter	O	O
	Silicone damped-return assist handles with genuine wood inlays, two front and two rear	S	S
Cruise Control	Cruise control	S	S
Cup Holders	Dual front cupholders integrated into center console	S	S
	Dual rear cupholders integrated into rear center armrest	S	S
	Dual rear cupholders integrated into rear center console	P	P
Defroster	Electric rear window defroster	S	S
	Electric side mirror defroster/defogger	S	S
Doors/Side Panels	Molded door trim in leatherette	S	S
	Integrated armrests in front door panels	S	S
	Integrated armrests in rear door panels	S	S
Floor mats	Front and rear floor mats	S	S
Instrument Cluster	Speedometer, tachometer, odometer, trip odometer, fuel gauge, engine temperature gauge, oil temperature gauge, battery gauge, gear indicator, clock, outside temperature, audio functions, and warning lights	S	S
	Infotainment System -- multi-function onboard computer: Color display featuring adjustable settings for climate controls, navigation, audio, vehicle settings, trip computer, air suspension settings, and tire pressure monitoring system	S	S
	Multi-function trip computer: Color display in the instrument panel featuring trip time, trip length, average trip speed, average trip fuel consumption, current fuel consumption, and miles to empty	S	S
	Illumination for controls and gauges	S	S
	Headlights-on warning tone (upon opening of driver's door when ignition key is removed)	S	S
Keys	Folding keys (2) with radio-frequency remote transmitter for central locking, eyelet	S	S
	Valet key	S	S
Lighter/Outlets	Four power outlets. One in front center console, one in center console for rear seating positions, one in front center armrest, and one in rear cargo area	S	S
Lighting	Dual front and rear reading lights	S	S
	Illuminated glove box	S	S
	Luggage compartment light	S	S
	Illuminated dial for sunroof	S	S
	Interior ambient lighting in foot wells, door handles, and above center console	S	S
Locks	Central power locking system with key operated opening and closing feature for power glass sunroof and power windows with selective unlocking at driver's door	S	S
	Automatic locking feature (doors lock automatically when vehicle reaches 8 mph/13km/h)	S	S
	Radio-frequency remote locking system with lock, unlock, rear trunk release and panic button on transmitter	S	S
	Front and rear door mounted lock/unlock switches for central locking system	S	S
	Child safety locks on rear doors and power window lockout, electronically activated/deactivated from driver's side door	S	S
Mirrors, Interior	Dual driver and front passenger visor vanity mirrors, illuminated with cover and dual magnification	S	S
	Interior rearview mirror, auto dimming with switch and memory function	S	S
	Mirror control pad with joystick control for movement, heat, and power flush folding	S	S

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INTERIOR		V8	W12
Ornamentation	Genuine chrome accents	S	S
	Genuine Eucalyptus wood interior	S	O
	Genuine Walnut wood interior	O	S
	Genuine Chestnut wood interior	O	O
	Genuine Myrtle wood interior	O	O
	Chrome applications to instrument cluster	S	S
	Chrome interior door handles	S	S
	Chrome lock cylinder for glove box	S	S
Radio/Audio	Premium 190 watt sound system with 10 speakers, 8 channel amplifier, sub woofer, AM/FM, and glove box mounted 6-disc CD changer	S	-
	Upgrade 270 watt sound system with 12 speakers, 12 channel amplifier, sub woofer, Digital Sound Processing (DSP) with 7 adjustable simulated modes, dynamic sound compression, AM/FM, and glove box mounted 6-disc CD changer	O	S
Remote Releases	Remote releases for rear trunk and fuel filler flap, located on driver's side door. Valet lockout electronically activated through dash mounted button	S	S
Restraint Systems	Driver and front passenger airbag supplemental restraint system	S	S
	Driver, front passenger, and rear outboard passenger side airbag supplemental restraint system	S	S
	FMVSS208 advanced front airbags with dual stage deployment through sophisticated seat sensors (delayed introduction)	S	S
	Side Curtain Protection™	S	S
	3-point safety belts, all five seating positions. Height adjustable for driver and front passenger	S	S
	Safety belt pretensioners for driver, front passenger, and rear outboard seating positions	S	S
	Dual safety belt pretensioners for driver and front passenger	-	S
	Emergency locking retractors for all seating positions	S	S
	Safety belt load limiters, all seating positions	S	S
	LATCH - Lower Anchors and Tethers for CHildren. Child seat lower anchorage points and top tether, rear outboard seating positions	S	S
	Five adjustable head restraints with active front head restraints	S	S
Power height adjustable head restraints for rear outboard seating positions	P	P	
Seating, Front	12-way power adjustable comfort front seats with heat, power adjustable lumbar support, and memory function for front seats, exterior mirrors, interior rearview mirror, and steering column	S	-
	18-way power adjustable comfort driver seat (passenger 16-way) ventilated with A/C, heat, massage, power adjustable lumbar support, power adjustable seatbelt, power adjustable head restraints, and memory function for front seats, exterior mirrors, interior rearview mirror, and steering column	P	S
Seating, Rear	Unfolding seat bench	S	S
	Rear seat head restraints, all seating positions	S	S
	Heatable rear seats	P	S
	Power adjustable lumbar support for rear outboard seating positions	P	P
	Ventilated rear seat with heat, A/C, and massage feature for rear outboard seating positions	P	-
	Ventilated rear seat with A/C and massage feature for rear outboard seating positions	-	P
	10-way power adjustable rear seats with memory and power adjustable head restraints	P	P
	Rear control for front passenger rear seat	P	P
	Rear center console in wood with display for rear climate controls	P	P
Rear pass through	S	S	
Special Features	Navigation System. CD based navigation with visual and audible commands through color center console display and through multi-function onboard computer display in instrument cluster	S	S
	Homelink integrated into headliner above center console	S	S
	Volkswagen Telematics provided by OnStar®	S	S
	Intelligent Crash Response System. Once a certain severity of crash is detected, all doors are automatically unlocked, the battery terminal is automatically disconnected from the alternator cable, fuel supply is automatically shut off, and high consumption electrical components are automatically shut off	S	S
	Integrated cell phone preparation (compatible w/ Nokia 6310/6340/6360 only) (not available w/ 4-seater package)	O	S

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INTERIOR		V8	W12
Steering Wheel	4-spoke leather wrapped multi-function steering wheel, with cruise control, audio functions, and multi-function onboard computer functions	S	S
	Steering wheel deformable upon impact	S	S
	Power height adjustable telescoping steering column with easy entry/exit function	S	S
	Heated steering wheel	P	S
Storage, Interior	Front and rear door storage pockets	S	S
	Dual front cupholders integrated into center console	S	S
	Front seatback magazine storage pockets	S	S
	Dual front center armrest with storage compartment	P	P
	Rear center armrest, foldable with storage compartment	S	S
	Glove box, lockable and illuminated upon opening	S	S
	Front and rear storage units built into wood console	P	P
Sunshades	Power rear sunshade	S	S
	Rear side sunshades, manually operated	S	S
Trim (Details)	Leather shift knob with chrome and wood accents	S	S
	Genuine wood inlay door handles	S	S
	Stainless steel pedals	S	S
Hatch/Cargo Area	Trunk escape handle - emergency internal release mechanism to unlatch trunk lid.		
	Fluorescent reflector for location	S	S
	Fully carpeted lined luggage compartment	S	S
	Grip on inside of trunk to assist in closing	S	S
	Four tie down hooks in cargo area	S	S
	Loading edge protection, chrome	S	S
Upholstery	Leather seat trim "Modern Vienna", non-perforated leather seating surfaces (not available w/ 4-seater package)	S	-
	Leather seat trim "Classic Sensitive", perforated leather seating surfaces	S	S
Ventilation System	Illuminated front and rear air vents with draft free ventilation	S	S
	Rear passenger air vents	S	S
Windows	Power windows with pinch protection. All windows with automatic one-touch feature.		
	Window lockout feature available on driver's side door	S	S
	Key opening & closing feature for power windows and sunroof	S	S
TECHNICAL		V8	W12
All-Wheel Drive	4MOTION™ permanent all-wheel drive system with Torsen sensing center differential	S	S
Brakes	ABS (anti-lock braking system)	S	S
	Power assisted front vented disc brakes (360 mm X 34 mm) and rear vented disc brakes (310 mm X 22 mm)	S	S
Emissions	LEV I BIN 9 emissions concept	S	S
Engine	4.2L, 335 hp, 8 cylinder, 90° V, 5V, gas	S	-
	6.0L, 420 hp, 12 cylinder, 72° W, 4V, gas	-	S
Side Impact	Anti-intrusion side door beams	S	S
Steering	Servotronic power steering	S	S
Suspension	Independent, 4-Corner adjustable air suspension with four adjustable damping settings, Electronic Damping Control (EDC), and auto leveling	S	S
	Traction Control	Anti-lock Brake System (ABS)	S
Transmission	Anti-slip regulation (ASR)	S	S
	Electronic Differential Lock (EDL)	S	S
	Engine Braking Control (EBC)	S	S
	Electronic Brake Force Distribution (EBD)	S	S
	Electronic Stabilization Program (ESP®) with brake assist (HBA)	S	S
	6-speed automatic transmission with Tiptronic, Dynamic Shift Program (DSP), and sport mode	S	-
5-speed automatic transmission with Tiptronic, Dynamic Shift Program (DSP), and sport mode	-	S	
WARRANTY		V8	W12
Anti-Corrosion	12 year/unlimited distance Limited Warranty against Corrosion Perforation	S	S
Powertrain Warranty	5 year/60,000 mile (whichever occurs first). Powertrain Limited Warranty	S	S
Vehicle Warranty	4 year/50,000 mile (whichever occurs first). New Vehicle Limited Warranty with free scheduled maintenance	S	S
ROADSIDE ASSISTANCE		V8	W12
Roadside Assistance	4-year/unlimited mileage, 24 hour, provided by Road America	S	S

2005 U.S./Canadian Phaeton Option Program



Legend:
O Option, at additional charge

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PACKAGES	V8	W12
Comfort and Cold Weather (V8)		
18-way power adjustable driver seat and 16-way power adjustable passenger seat		
Sensitive leather upgrade		
Power adjustable lumbar support for rear outboard seating positions		
Ventilated rear seat with heat, A/C, and massage feature for rear outboard seating positions		
Heated steering wheel		
Power height adjustable head restraints for rear outboard seating positions		
Rear climate controls and display for rear passengers	O	-
4-seater Package (V8)		
10-way power adjustable rear seats with memory and power adjustable head restraints		
Ventilated rear seat with heat, A/C, and massage feature for rear outboard seating positions		
Power adjustable lumbar support for rear outboard seating positions		
Individual driver and front passenger center armrests with storage compartments		
Individual rear passenger center armrests with storage compartments		
Dual rear cupholders integrated into rear console		
Rear control for front passenger rear seat		
Rear climate controls and display for rear passengers		
Heated steering wheel	O	-
Technology Package (V8)		
Electronic Parking Assistance		
Power opening/closing trunk	O	-
Comfort Package (W12)		
Power adjustable lumbar support for rear outboard seating positions		
Power height adjustable head restraints for rear outboard seating positions		
Individual driver and front passenger center armrests with storage compartments		
Individual rear passenger center armrests with storage compartments		
Dual rear cupholders integrated into rear console		
Ventilated rear seat with A/C and massage feature for rear outboard seating positions	O	-
4-seater Package (W12)		
10-way power adjustable rear seats with memory and power adjustable head restraints		
Ventilated rear seat with A/C and massage feature for rear outboard seating positions		
Power adjustable lumbar support for rear outboard seating positions		
Individual driver and front passenger center armrests with storage compartments		
Individual rear passenger center armrests with storage compartments		
Dual rear cupholders integrated into rear console		
Rear control for front passenger rear seat		
Rear climate controls and display for rear passengers	-	O
OPTIONS	V8	W12
Keyless Access	O	O
Electronic Parking Assistance	O	O
Cell phone preparation for Nokia phones 6310/6340/6360 (not available w/ 4-seater package)	O	-
7.5 J X 17" alloy wheel with 235/55 R17 H, all season tires (snow chain compatible) (no charge option)	O	O
Upgrade 270 watt sound system	O	-
Interior wood - Walnut	O	S
Interior wood - Myrte or Chestnut	O	O
Interior wood - Eucalyptus	S	O
Special order metallic/pearl colors	O	O
"Klavierlack" high gloss finish	O	O
Chromaflair paint	O	O
Special order interior leathers	O	O

2005 U.S./Canadian Phaeton

Change Points



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 P Part of option package, at additional package charge - Not available

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Start of Production calendar week 22/04

EXTERIOR		V8	W12
Grille	New front grille	S	S
Wheels	New 18" alloy wheels "Performance" w/ V8	S	-
	18" alloy wheels "Challenge" remains standard w/ W12	-	S
	17" alloy wheels remaining a no-cost single option	O	O
Antenna	Body-colored roof mounted antenna	S	S
Doors	Soft close doors	S	S
Paint	Pearl White no longer available	S	S
	Tizian Red no longer available	S	S
	Silver Atmosphere released with limited availability	S	S
	Bolero Beige released with limited availability	S	S
INTERIOR		V8	W12
Special Features	Cell phone preparation for Nokia phones 6310/6340/6360 (not available w/ 4-seater package)	O	S
Seats	Power front seat (12-ways) "Classic Style"	S	-
Trim	Burr Walnut and Myrte as wood upgrades w/V8	O	-

Start of Production calendar week 45/04

EXTERIOR		V8	W12
Paint	Silver Mirror replaced by Reflex Silver	O	O
INTERIOR		V8	W12
Restraints	Advanced Airbags (FMVSS208)	S	S

Start of Production calendar week 05/05

INTERIOR		V8	W12
Cruise Control	Active cruise control	S	S

2005 U.S./Canadian Phaeton V8

Technical Specifications



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ENGINE

Type	4.2L, 335 hp, 8 cylinder, 90° V, 5V, gas		
Bore	3.33	in	84.5 mm
Stroke	3.66	in	93.0 mm
Displacement	251.8	in ³	4,172 cm ³
Compression Ratio	11.0: 1		
Horsepower (SAE) @ rpm	335 @ 6,500 (246 kW @ 6,500)		
Maximum torque, lbs - ft @ rpm	317 @ 3,500 (430 Nm @ 3,500)		
Fuel Requirement	Premium fuel recommended for maximum performance		
Firing Order	1-5-4-8-6-3-7-2		
Engine Management	Bosch Motronic ME 7.1.1		

ENGINE DESIGN

Arrangement	Front mounted, longitudinal
Cylinder Block	Aluminum
Crank Shaft	Cast iron
Cylinder Head	Aluminum alloy
Valve Train	Dual overhead camshaft, chain driven, five valves per cylinder, maintenance free hydraulic lifters, variable valve timing
Cooling System	Water cooled, water pump, cross flow radiator, thermostatically controlled electric 3-speed radiator fan
Lubrication	Chain-driven duocentric oil pump
Fuel / Air Supply	Sequential multi-point fuel injection (Motronic), variable intake manifold, variable intake and exhaust cam timing
Emissions	LEV I California Emissions Concept, Bin 9 EPA Federal Emissions Concept, OBD II, ORVR (onboard refueling vapor recovery), 3-way catalytic converter with oxygen sensor, secondary air injection pump

ELECTRICAL SYSTEM

Alternator - A/Ah	190/95
Battery - A/Ah	330/61 Starter Battery and 420/75 On-Board Power Supply Battery
Ignition	Digital electronic, with knock sensor

DRIVETRAIN

Drivetrain	4MOTION™ permanent all-wheel drive system with Torsen sensing center differential		
Transmission Gear Ratios	1st	4.17	
	2nd	2.34	
	3rd	1.52	
	4th	1.14	
	5th	0.88	
	6th	0.69	
	Reverse	3.40	
Final	3.65		

CAPACITIES

Engine Oil (with filter)	9.0 qt	8.5 L
Fuel Tank	23.8 gal	19.8 gal (IMP)
Cooling System	10.6 qt	10 L
Wiper Fluid	6.3 qt	6.0 L

STEERING

Type	Servotronic power steering		
Turns (lock to lock)	2.8		
Turning Circle (curb to curb)	39.4	ft	12.0 m
Ratio	14.0:1		

2005 U.S./Canadian Phaeton V8

Technical Specifications



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INTERIOR VOLUME - SAE

EPA Class	Large			
Seating Capacity	Five			
Passenger Volume	108	ft ³	3.1	m ³
Cargo Volume	13	ft ³	0.4	m ³
Cargo Volume with rear seat folded	NA	ft ³	NA	m ³

	Front		Rear	
Volume	53.5	ft ³	1.5	m ³
Head Room	37.2	in	945	mm
Shoulder Room	59.6	in	1,513	mm
Leg Room	41.7	in	1,059	mm

BODY, CHASSIS AND SUSPENSION

Type	Unibody construction
Front Suspension	Four link suspension, anti-roll bar with independent, 4-Corner adjustable air suspension with four adjustable damping settings, Electronic Damping Control (EDC), and auto leveling
Rear Suspension	Trapezoidal wishbone suspension, anti-roll bar with independent, 4-Corner adjustable air suspension with four adjustable damping settings, Electronic Damping Control (EDC), and auto leveling
Service Brakes	Power assisted front vented disc brakes (360 mm X 34 mm), rear vented disc brakes (310 mm X 22 mm)
Anti Lock Braking System	All four wheels
Parking Brake	Mechanical, effective on rear wheels
Wheels/Tires	8.5 J X 18" alloy wheel 255/45 R18 H, all season tires Anti-theft wheel locks 255/45 R18 H, all season full size spare tire with original equipment wheel and tire Direct tire pressure monitoring system
Drag Coefficient	.31

DIMENSIONS

Wheelbase	118.1	in	3,001	mm
Front Track	64.1	in	1,628	mm
Rear Track	63.5	in	1,612	mm
Length	203.7	in	5,175	mm
Width	74.9	in	1,903	mm
Height	57.1	in	1,450	mm
Ground Clearance	5.0	in	128	mm
Manual height adjustment*	6.0	in	153	mm
Automatic height adjustment**	4.4	in	113	mm

WEIGHTS

Curb Weight		5,194	lbs	2,356	kg
	Front	2,875	lbs	1,304	kg
	Rear	2,319	lbs	1,052	kg
Payload		944	lbs	428	kg

FUEL CONSUMPTION

City mpg	16
Highway mpg	22
City mpg (IMP)	18
Highway mpg (IMP)	29
City L/100km	15.6
Highway L/100km	9.7

PERFORMANCE

0-60 mph	6.7	seconds
Top Speed	130	mph ¹ (209 km/h) ²

* Adjustable at speeds of 0-74 mph (0-119km/h). At speeds of 75 mph (120 km/h) and above vehicle returns to 128 mm/5.0 in
** Automatically adjusts at speeds > 86 mph (138 km/h) for 30 seconds or more or immediately at speeds at 112 mph (180km/h). Upon deceleration at speeds of 62 mph (100km/h) or less for 60 seconds or immediately at 50 mph(80km/h), vehicle returns to 128 mm/5.0 in

¹Maximum speed electronically limited to 130 mph in U.S. Obey all speed and traffic laws.

²Maximum speed electronically limited to 209 km/h in Canada. Obey all speed and traffic laws.

2005 U.S./Canadian Phaeton W12

Technical Specifications



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ENGINE

Type	6.0L, 420 hp, 12 cylinder, 72° W, 4V, gas		
Bore	3.31 in	84.0 mm	
Stroke	3.55 in	90.2 mm	
Displacement	366.0 in ³	5,998 cm ³	
Compression Ratio	10.8: 1		
Horsepower (SAE) @ rpm	420 @ 6,000 (309 kW @ 6,000)		
Maximum torque, lbs - ft @ rpm	406 @ 3,250 - 4,250 (550 Nm @ 3,250 - 4,250)		
Fuel Requirement	Premium fuel recommended for maximum performance		
Firing Order	1-12-5-8-3-10-6-7-2-11-4-9		
Engine Management	Bosch Motronic ME 7.1.1		

ENGINE DESIGN

Arrangement	Front mounted, longitudinal
Cylinder Block	Aluminum
Crank Shaft	Cast iron
Cylinder Head	Aluminum alloy
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, thermostatically controlled electric 3-speed radiator fan
Lubrication	Chain-driven duocentric oil pump
Fuel / Air Supply	Sequential multi-point fuel injection (Motronic), variable intake manifold, variable intake and exhaust cam timing
Emissions	LEV I California Emissions Concept, Bin 9 EPA Federal Emissions Concept, OBD II, ORVR (onboard refueling vapor recovery), 3-way catalytic converter with oxygen sensor, secondary air injection pump

ELECTRICAL SYSTEM

Alternator - A/Ah	190/95
Battery - A/Ah	330/61 Starter Battery and 480/85 On-Board Power Supply Battery
Ignition	Digital electronic, with knock sensor

DRIVETRAIN

Drivetrain	4MOTION™ permanent all-wheel drive system with Torsen sensing center differential		
Transmission Gear Ratios	1st	3.57	
	2nd	2.00	
	3rd	1.51	
	4th	1.00	
	5th	0.80	
	6th	--	
	Reverse	4.10	
Final	3.19		

CAPACITIES

Engine Oil (with filter)	12.5 qt		11.8 L
Fuel Tank	23.8 gal	19.8 gal (IMP)	90 L
Cooling System	21.1 qt		20 L
Wiper Fluid	6.3 qt		6.0 L

STEERING

Type	Servotronic power steering		
Turns (lock to lock)	2.8		
Turning Circle (curb to curb)	39.4 ft	12.0 m	
Ratio	14.0:1		

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Technical Specifications



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INTERIOR VOLUME - SAE

EPA Class	Large			
Seating Capacity	Five			
Passenger Volume	108	ft ³	3.1	m ³
Cargo Volume	13	ft ³	0.4	m ³
Cargo Volume with rear seat folded	NA	ft ³	NA	m ³
	Front		Rear	
Volume	53.5	ft ³	1.5	m ³
Head Room	37.2	in	945	mm
Shoulder Room	59.6	in	1,513	mm
Leg Room	41.7	in	1,059	mm

BODY, CHASSIS AND SUSPENSION

Type	Unibody construction
Front Suspension	Four link suspension, anti-roll bar with independent, 4-Corner adjustable air suspension with four adjustable damping settings, Electronic Damping Control (EDC), and auto leveling
Rear Suspension	Trapezoidal wishbone suspension, anti-roll bar with independent, 4-Corner adjustable air suspension with four adjustable damping settings, Electronic Damping Control (EDC), and auto leveling
Service Brakes	Power assisted front vented disc brakes (360 mm X 34 mm), rear vented disc brakes (310 mm X 22 mm)
Anti Lock Braking System	All four wheels
Parking Brake	Mechanical, effective on rear wheels
Wheels/Tires	8.5 J X 18" alloy wheel 255/45 R18 H, all season tires Anti-theft wheel locks 255/45 R18 H, all season full size spare tire with original equipment wheel and tire Direct tire pressure monitoring system
Drag Coefficient	.31

DIMENSIONS

Wheelbase	118.1	in	3,001	mm
Front Track	64.1	in	1,628	mm
Rear Track	63.5	in	1,612	mm
Length	203.7	in	5,175	mm
Width	74.9	in	1,903	mm
Height	57.1	in	1,450	mm
Ground Clearance	5.0	in	128	mm
Manual height adjustment*	6.0	in	153	mm
Automatic height adjustment**	4.4	in	113	mm

WEIGHTS

Curb Weight		5,399	lbs	2,449	kg
	Front	3,144	lbs	1,426	kg
	Rear	2,255	lbs	1,023	kg
Payload		968	lbs	439	kg

FUEL CONSUMPTION

City mpg	12
Highway mpg	19
City mpg (IMP)	15
Highway mpg (IMP)	25
City L/100km	19.2
Highway L/100km	11.5

PERFORMANCE

0-60 mph	5.9 seconds
Top Speed	130 mph ¹ (209 km/h) ²

* Adjustable at speeds of 0-74 mph (0-119km/h). At speeds of 75 mph (120 km/h) and above vehicle returns to 128 mm/5.0 in
** Automatically adjusts at speeds > 86 mph (138 km/h) for 30 seconds or more or immediately at speeds at 112 mph (180km/h). Upon deceleration at speeds of 62 mph (100km/h) or less for 60 seconds or immediately at 50 mph(80km/h), vehicle returns to 128 mm/5.0 in

¹Maximum speed electronically limited to 130 mph in U.S. Obey all speed and traffic laws.

²Maximum speed electronically limited to 209 km/h in Canada. Obey all speed and traffic laws.