

# 2015 Passat

## Technical Specifications



	Passat 1.8T		Passat TDI		Passat V6	
ENGINE						
Type	1.8L inline four cylinder, 16V, turbocharged/intercooled, TSI		2.0L, inline four cylinder, 16V, turbocharged and intercooled, DI		3.6L VR6 (10.6 deg V), 24V, FSI	
Bore	3.25 in	82.5 mm	3.19 in	81.0 mm	3.5 in	89.0 mm
Stroke	3.31 in	84.1 mm	3.76 in	95.5 mm	3.80 in	96.4 mm
Displacement	110 cu in	1798 cc	120 cu in	1968 cc	219 cu in	3597 cc
Compression Ratio	9.6:1		16.2:1		11.4:1	
Horsepower (SAE) @ rpm	170 @ 4800	(125 kW @ 4800)	150 @ 3500	(110 kW @ 3500)	280 hp @ 6200	(206 kW @ 6200)
Maximum torque, lb-ft @ rpm	184 lb-ft @ 1500	(250 Nm @ 1500)	236 lb-ft @ 1750	(320 Nm @ 1750)	258 lb-ft @ 2500	(350 Nm @ 2500 )
Fuel Requirement	Regular unleaded		Diesel		Premium fuel (91 octane)	
ENGINE DESIGN						
Arrangement	Front mounted, transverse		Front mounted, transverse		Front mounted, transverse	
Cylinder block	Cast iron		Cast iron		Cast iron	
Crankshaft	Cast iron, five main bearings		Forged steel, five main bearings		Cast iron, seven main bearings	
Cylinder head	Aluminum alloy, crossflow		Aluminum alloy, crossflow		Aluminum alloy, crossflow	
Valvetrain	Double overhead camshaft, chain driven with automatic tensioner, four valves per cylinder, maintenance-free hydraulic lifters, variable intake timing		Double overhead camshaft, spur belt driven, four valves per cylinder, maintenance-free hydraulic lifters, variable intake and exhaust timing		Double overhead camshaft, chain driven with automatic tensioner, four valves per cylinder, maintenance-free hydraulic lifters, variable intake and exhaust timing	
DRIVETRAIN						
Driven wheels	Front-wheel drive		Front-wheel drive		Front-wheel drive	
Transmission Gear Ratios:1		Manual Automatic		Manual Automatic		Automatic
	1st	3.78 4.04	1st	3.77 3.46	1st	2.92
	2nd	2.12 2.37	2nd	1.96 2.05	2nd	1.79
	3rd	1.27 1.56	3rd	1.26 1.30	3rd	1.19
	4th	0.86 1.16	4th	0.87 0.90	4th	0.83
	5th	0.66 0.85	5th	0.86 0.91	5th	0.86
	6th	0.67	6th	0.72 0.76	6th	0.69
	Reverse	3.80 3.19	Reverse	4.56 3.99	Reverse	3.26
	3.65 3.87	Final I	3.68 4.12	Final I	4.77	
		Final II	2.92 3.04	Final II	3.44	
CAPACITIES						
Fuel Tank	18.5 gal	70 L	18.5 gal	70 L	18.5 gal	70 L
STEERING						
Type	Rack and pinion: electric power assist		Rack and pinion: electric power assist		Rack and pinion: electric power assist	
Turns (lock to lock)	3.01		3.01		3.01	
Turning Circle (curb to curb)	36.4 ft	11.1 m	36.4ft	11.1 m	36.4ft	11.1 m
Ratio	16.4:1		16.4:1		16.4:1	
INTERIOR VOLUME - SAE						
EPA Class	Sedan		Sedan		Sedan	
Seating Capacity	Five		Five		Five	
Passenger Volume	102.0 cu ft		102.0 cu ft		102.0 cu ft	
Cargo Volume	15.9 cu ft		15.9 cu ft		15.9 cu ft	
	Front	Rear	Front	Rear	Front	Rear
Volume	53.5 cu ft	48.8 cu ft	53.5 cu ft	48.8 cu ft	53.5 cu ft	48.8 cu ft
Headroom (in/mm)	38.3/972	37.8/960	38.3/972	37.8/960	38.3/972	37.8/960
Shoulder room (in/mm)	56.9/1445	57.0/1448	56.9/1445	57.0/1448	56.9/1445	57.0/1448
Legroom (in/mm)	42.4/1077	39.1/992	42.4/1077	39.1/992	42.4/1077	39.1/992
BODY, CHASSIS AND SUSPENSION						
Type	Unitary construction, two solid mounted subframes		Unitary construction, two solid mounted subframes		Unitary construction, two solid mounted subframes	
Body Material	Steel stampings		Steel stampings		Steel stampings	
Front Suspension	Strut-type with lower control arms, coil springs, telescopic dampers, anti-roll bar		Strut-type with lower control arms, coil springs, telescopic dampers, anti-roll bar		Strut-type with lower control arms, coil springs, telescopic dampers, anti-roll bar	
Rear Suspension	Multilink with coil springs, telescopic dampers, anti-roll bar		Multilink with coil springs, telescopic dampers, anti-roll bar		Multilink with coil springs, telescopic dampers, anti-roll bar	
Brakes	Power assisted, dual circuit, 12.3 x 1.0-in vented front discs and 10.7 x 0.4-in solid rear discs		Power assisted, dual circuit, 12.3 x 1.0-in vented front discs and 10.7 x 0.4-in solid rear discs		Power assisted, dual circuit, 12.3 x 1.0-in vented front discs and 10.7 x 0.4-in solid rear discs	
Anti-Lock Braking System	Standard, all four wheels, three-channel with electronic brake pressure		Standard, all four wheels, three-channel with electronic brake pressure distribution		Standard, all four wheels, three-channel with electronic brake pressure distribution	
Stability Control	Standard Electronic Stability Control		Standard Electronic Stability Control (ESC)		Standard Electronic Stability Control (ESC)	
Parking Brake	Mechanical		Mechanical		Mechanical	
Wheels/Tires	16-inch x 6.5J steel wheels		17-inch x 7J aluminum-alloy wheels		18-inch x 8J aluminum-alloy wheels	
	16-inch x 6.5J aluminum-alloy wheels		215/55 R17 94H, all-season tires		235/45 R18 94H, all-season tires	
	215/60 R16 95T, all-season tires		18-inch x 8J aluminum-alloy wheels			
	17-inch x 7J aluminum-alloy wheels		235/45 R18 94H, all-season tires			
	215/55 R17 94H, all season tires					
	18-in x 8J aluminum-alloy wheels					
	235/45 R18 94H, all-season tires					
Drag Coefficient	0.29		0.29		0.31	

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DIMENSIONS							
Wheelbase (in/mm)	110.4/2803			110.4/2803		110.4/2803	
Front Track (in/mm)	62.1/1577			62.1/1577		62.1/1577	
Rear Track (in/mm)	61.0/1550			61.0/1550		61.0/1550	
Length (in/mm)	191.6/4868			191.6/4868		191.6/4868	
Width (in/mm)	72.2/1835			72.2/1835		72.2/1835	
Height (in/mm)	58.5/1487			58.5/1487		58.5/1487	
Ground Clearance (in/mm)	5.4/138			5.4/138		5.4/138	
WEIGHTS							
Curb Weight	Manual	3172 lb	1439 kg	3408 lb	1546 kg	N/A	
	Automatic	3230 lb	1465 kg	3497 lb	1586 kg	3481 lb	1579 kg
GVWR	Manual	4453 lb	2020 kg	4630 lb	2100 kg	N/A	
	Automatic	4519 lb	2050 kg	4674 lb	2120 kg	4629 lb	2100 kg
Payload	Manual	1129 lb	512 kg	1120 lb	508 kg	N/A	
	Automatic	1140 lb	517 kg	1129 lb	512 kg	1151 lb	522 kg
FUEL CONSUMPTION	Manual	Automatic		Manual	Automatic	Automatic	
City mpg	24	24		30	30	20	
Highway mpg	35	36		44	42	28	

\*Specifications, equipment, options, and prices are subject to change without notice.