

2012 Porsche Cayenne  
Technical Specifications



	Cayenne S	Cayenne S Hybrid	Cayenne Turbo
<b>Engine</b>			
Engine Concept	Water-cooled, front-mounted V8	Parallel Full Hybrid, Water-cooled, front-mounted V6, Auto Start Stop, hybrid module with synchronous electric motor and decoupling clutch	Water-cooled, front-mounted V8
Construction	Engine block and cylinder heads formed in aluminum	Engine block and cylinder heads formed in aluminum	Engine block and cylinder heads formed in aluminum
Valvetrain	Four overhead camshafts, 4 valves per cylinder, VarioCam Plus valve timing	Four overhead camshafts, 4 valves per cylinder, infinite variable valve timing on intake	Four overhead camshafts, 4 valves per cylinder, VarioCam Plus valve timing
Fuel Injection System	Direct fuel injection	Direct fuel injection	Direct fuel injection with twin turbochargers
Lubrication	Integrated dry-sump lubrication	Forced-feed lubrication with wet sump	Integrated dry-sump lubrication
Management	EMS SDI 3.1 engine management system	MED 17 engine management system	EMS SDI 8 engine management system
Electrical System	2,660 watt alternator, 95 Ah battery	On-board network: 12V; 92 Ah battery. High-voltage system: 288V; nickel-metal hydride batter; 6 Ah.	2,660 watt alternator, 92 Ah battery
Fuel	Premium unleaded	Premium unleaded	Premium unleaded
Bore	96 mm (3.78 in.)	84.5 mm (3.33 in.)	96 mm (3.78 in.)
Stroke	83 mm (3.27 in.)	89 mm (3.5 in.)	83 mm (3.27 in.)
Displacement	4.8 Liters	3.0 Liters	4.8 Liters
Maximum Horsepower	400 @ 6500 rpm	380 @ 5500 rpm	500 @ 6000 rpm
Maximum Torque	369 lb-ft @ 3500 rpm	427 lb-ft @ 1000 rpm	516 lb-ft @ 2250-4500 rpm
Compression ratio	12.5:1	10.5:1	10.5:1
Engine redline	6700	6700	6700
Output per liter	83.3	126.6	104.1
Drivetrain	Active all-wheel drive	Permanent all-wheel drive	Active all-wheel drive
<b>Transmission</b>			
Manual transmission	N/A	N/A	N/A
Automatic transmission	8-speed Tiptronic S with Auto Start Stop function; all-wheel drive with electronically controlled, map-based multiple-plate clutch	8-speed Tiptronic S, permanent all-wheel drive with self-locking center differential; 40:60 front:rear power split	8-speed Tiptronic S with Auto Start Stop function; all-wheel drive with electronically controlled, map-based multiple-plate clutch with Auto Start Stop function; all-wheel drive with electronically controlled, map-based multiple-plate clutch
Ratios			
1st	4.97	4.92	4.92
2nd	2.84	2.81	2.81
3rd	1.86	1.84	1.84
4th	1.44	1.43	1.43
5th	1.21	1.21	1.21
6th	1	1	1
7th	0.83	0.83	0.83
Reverse	0.69	0.69	0.69
Final Drive Ratio (front)	3.09 (2.73)	3.27	2.92 (2.58)
Clutch diameter	10.1 in.	9.5 in.	10.71 in.
Body			
<b>Chassis</b>			
Drag Coefficient	0.36	0.36	0.36
Front Suspension	Fully independent double-wishbone front axle	Fully independent double-wishbone front axle	Fully independent double-wishbone front axle, standard PASM
Rear Suspension	Fully independent multi-link	Fully independent multi-link	Fully independent multi-link, standard PASM
Steering Ratio	15.9:1 to 12.5:1	16.7 to 13.3:1	15.9:1 to 12.5:1
Turning Circle	39.1 ft.	39.1 ft.	39.1 ft.
Brakes	6-piston monobloc aluminum fixed calipers at front, 4-piston monobloc aluminum at rear, 14.17 in. diameter internally vented discs, calipers painted silver	6-piston monobloc aluminum fixed calipers at front, 4-piston monobloc aluminum at rear, 14, 17 in. diameter internally vented discs, calipers painted silver	6-piston monobloc aluminum fixed calipers at front, 4-piston monobloc aluminum at rear, 15.35 in. diameter internally vented discs, calipers painted red
Wheels	8.0J x 18 RO 53	8.0J x 18 RO 53	8.5J x 19 RO 59
Tires	255/55 R 18	255/55 R 18	265/50 R 19
<b>Dimensions</b>			
Wheelbase	114.0 in.	114.0 in.	114.0 in.
Overall length	190.8 in.	190.8 in.	190.8 in.
Width	76.3 in.	76.3 in.	76.3 in.
Front track (in/mm)	65.2 in.	65.2 in.	65.2 in.
Legroom*	67.1 in.	67.1 in.	67 in.
Headroom	n/a	n/a	n/a
Height	67.4 in.	67.4 in.	67.4 in.
Curb weight w/ manual	4553 lbs.	4938 lbs.	4784 lbs.

2012 Porsche Cayenne  
 Technical Specifications



	<b>Cayenne S</b>	<b>Cayenne S Hybrid</b>	<b>Cayenne Turbo</b>
Luggage capacity	62.9 cu. Ft.	59.7 cu. Ft.	60.2 cu. Ft.
Fuel tank capacity	22.4 gal	22.4 gal	26.4 gal
Payload	1709 lbs.	1477 lbs.	1565 lbs.
<b>Fuel Consumption (mpg)</b>			
City (Tiptronic S)	16	21	15
Highway (Tiptronic S)	22	25	22
Combined (Tiptronic S)	18	23	17
<b>Performance</b>			
0-60	(5.6 sec)	(6.1 sec)	(4.4 sec)
Top track speed (PDK)	160.4 mph	150.4 mph	172.8 mph
* Interior Length: Driver's Side: from depressed pedal to the hip point of seat			