


	Cayenne Diesel	Cayenne S	Cayenne S E-Hybrid	Cayenne Turbo
 <b>PORSCHE</b>				
<b>2015 Porsche Cayenne Models</b>				
Technical Data				
<b>Engine</b>				
Engine layout	Front engine	Front engine	Front engine	Front engine
Engine type	V6 TDI, Bin 5, 90degree	V6 twin-turbo, 90degree	V6 supercharged, 90degree	V8 twin-turbo, 90degree
Cylinders	6	6	6	8
Valves per cylinder	4	4	4	4
Construction	CGI Block	Aluminum block and heads	Aluminum block and heads	Aluminum block and heads
Fuel injection	Common Rail DFI	Direct Fuel Injection (DFI)	Direct Fuel Injection (DFI)	Direct Fuel Injection (DFI)
Fuel	Diesel	Premium	Premium	Premium
Displacement (liters)	2.97 l	3.60 l	3.00 l	4.80 l
Bore/Stroke	83 mm / 91 mm	96 mm / 83 mm	85 mm / 89 mm	96 mm / 83 mm
Maximum power output @ engine speed	240 hp @ TBD	420 hp @ 6,000	333 hp @ 5,500-6,500	520 hp @ 6,000
Maximum torque @ engine speed	406 lb.-ft. @ 1,750 - 2,500	406 lb.-ft. @ 1,350 - 4,500	325 lb.-ft. @ 3,000-5,250	553 lb.-ft. @ 2,250 - 4,000
Maximum engine speed	5300	6700	6500	6700
Compression ratio	16.8:1	10.5:1	10.5:1	10.5:1
Output per liter	80.6 hp/l	116.6 hp/l	111.2 hp/l	108.1 hp/l
Lubrication	Wet sump lubrication	Integrated dry-sump lubrication	Integrated wet-sump lubrication	Integrated dry-sump lubrication
Electrical System	13.3 V, 3100 W alternator; battery capacity 92 Ah	12 V, 3080 W alternator; battery capacity 92 Ah	Parallel Full Hybrid	12 V, 2400 W alternator; battery capacity 92 Ah
Electric Motor max power @ rpm			95 hp @ 2,200-2,600	
Electric Motor max torque @ rpm			229 lb.-ft. @ <1,700	
Traction Battery- Type			Advanced Lithium Ion	
Traction Battery- size (kWh)			10.8	
Traction Battery- Voltage (V)			382	
Traction Battery- Capacity (Ah)			28	
Combined power			416 hp @ 5,500	
Combined torque			435 lb.-ft. @ 1,250-4,000	
Power to weight ratio (lb/hp)	19.38 lb/hp	10.95 lb/hp	12.45 lb/hp	9.26 lb/hp
Management	Bosch CP 4.4 Common-Rail	DME Conti EMS SDI 10	DME Bosch MED 17	DME Conti SDI 10
Drivetrain	Permanent all wheel drive	Active all wheel drive	Permanent all wheel drive	Active all wheel drive
<b>Chassis &amp; Suspension</b>				
Body	Monocoque lightweight body in a combination of steel, aluminum and magnesium	Monocoque lightweight body in a combination of steel, aluminum and magnesium	Monocoque lightweight body in a combination of steel, aluminum and magnesium	Monocoque lightweight body in a combination of steel, aluminum and magnesium
Front Axle	Aluminum double wishbone	Aluminum double wishbone	Aluminum double wishbone	Aluminum double wishbone
Rear Axle	Aluminum multi-link	Aluminum multi-link	Aluminum multi-link	Aluminum multi-link
Steering System	Variable ratio power steering	Variable ratio power steering	Variable ratio power steering	Variable ratio power steering
Steering Ratio	15.9:1	15.9:1	16.5:1	15.9:1
Turning Circle	39.0 ft.	39.0 ft.	39.0 ft.	39.0 ft.
<b>Brakes &amp; Wheels</b>				
Caliper type	Aluminum monobloc fixed-caliper brake	Aluminum monobloc fixed-caliper brake	Aluminum monobloc fixed-caliper brake	Aluminum monobloc fixed-caliper brake
Rotor material	Steel, internally vented	Steel, internally vented	Steel, internally vented	Steel, internally vented
Caliper color	Black	Silver	Acid Green	Red
Number of pistons (front/rear)	6 / 4	6 / 4	6 / 4	6 / 4
Rotor diameter (front/rear) mm	360 mm / 330 mm	360 mm / 330 mm	360 mm / 330 mm	390 mm / 358 mm
Rotor thickness (front/rear) mm	36 mm / 28 mm	36 mm / 28 mm	36 mm / 28 mm	38 mm / 28 mm
Name and option #	18" Cayenne Wheel	19" Cayenne Design Wheel	19" Cayenne Design Wheel	19" Cayenne Turbo Wheel
Wheels (front/rear)	8J x 18" ET 53	8.5J x 19" ET 59	8.5J x 19" ET 59	8.5J x 19" ET 59
Tires (front/rear)	255/55 R 18	265/50 R 19	265/50 R 19	265/50 R 19
<b>Transmission</b>				
Number of gears	8-speed	8-speed	8-speed	8-speed
Transmission type	Tiptronic	Tiptronic	Tiptronic	Tiptronic
Ratios				
1st	4.97	4.97	4.92	4.92
2nd	2.84	2.84	2.81	2.81
3rd	1.86	1.86	1.84	1.84
4th	1.44	1.44	1.43	1.43
5th	1.21	1.21	1.21	1.21
6th	1.00	1.00	1.00	1.00
7th	0.83	0.83	0.83	0.83
8th	0.69	0.69	0.69	0.69
Reverse	4.07	4.07	4.02	4.02
Front Axle Ratio	3.27	2.73	3.27	2.58
Rear Axle Ratio	3.27	3.09	3.27	2.92
Clutch/Converter diameter (inches)	10.71 in.	10.71 in.	9.49 in.	10.71 in.
<b>Dimensions, Aerodynamics, &amp; Weight</b>				
Length (inches/mm)	191.1 in./ 4855 mm	191.1 in./ 4855 mm	191.1 in./ 4855 mm	191.1 in./ 4855 mm
Wheelbase (inches/mm)	114.0 in. / 2895 mm	114.0 in. / 2895 mm	114.0 in. / 2895 mm	114.0 in. / 2895 mm
Width w/ mirrors (inches/mm)	85.2 in. / 2165 mm	85.2 in. / 2165 mm	85.2 in. / 2165 mm	85.2 in. / 2165 mm
Width w/o mirrors (inches/mm)	78.7 in. / 2000 mm	78.7 in. / 2000 mm	78.7 in. / 2000 mm	78.7 in. / 2000 mm
Height- Steel Suspension (inches)	67.4 in.	67.4 in.	67.4 in.	N/A
Height- Air Suspension, Normal (inches)	66.9 in.	66.9 in.	66.9 in.	67.0 in.
Height- Air Suspension, Loading Level (inches)	64.7 in.	64.7 in.	64.7 in.	64.9 in.
Height- Air Suspension, Low Level (inches)	65.9 in.	65.9 in.	65.9 in.	66.1 in.
Height- Air Suspension, Low Level @ speed (inches)	65.5 in.	65.5 in.	65.5 in.	65.7 in.
Height- Air Suspension, Off-road I (inches)	67.9 in.	67.9 in.	67.9 in.	68.0 in.
Height- Air Suspension, Off-road II (inches)	69.1 in.	69.1 in.	69.1 in.	69.2 in.
Track width front (inches/mm)	65.2 in./1655 mm	64.7 in./1643 mm	64.7 in./1643 mm	64.7 in./1643 mm
Track width rear (inches/mm)	65.7 in./1669 mm	65.2 in./1657 mm	65.2 in./1657 mm	65.2 in./1657 mm
Drag coefficient (Cd)	0.36	0.36	0.36	0.36
Legroom* (inches)				
Headroom (inches)				
Cargo area volume (cu.-ft.) seats up	23.66 cu.-ft.	23.66 cu.-ft.	20.48 cu.-ft.	23.66 cu.-ft.
Cargo area volume (cu.-ft.) seats down	62.86 cu.-ft.	62.86 cu.-ft.	59.68 cu.-ft.	60.21 cu.-ft.
Fuel tank capacity - refill volume (gal)	26.4 gal.	26.4 gal.	21.1 gal.	26.4 gal.
Curb weight (lbs) min	4652 lbs.	4597 lbs.	5181 lbs.	4817 lbs.
Curb weight (lbs) max	5412 lbs.	5390 lbs.	5809 lbs.	5467 lbs.
Gross Vehicle Weight	6327 lbs.	6305 lbs.	6724 lbs.	6382 lbs.
Payload range (lbs) - depend on options	915 lbs. - 1676 lbs.	915 lbs. - 1709 lbs.	915 lbs. - 1543 lbs.	915-1565
Roof load- Max (lbs)	220 lbs.	220 lbs.	220 lbs.	220 lbs.
Towing Capacity- unbraked (lbs)	1653 lbs.	1653 lbs.	1653 lbs.	N/A
Towing Capacity- braked (lbs)	7716 lbs.	7716 lbs.	7716 lbs.	N/A
Tongue Weight- Max (lbs)	617 lbs.	617 lbs.	617 lbs.	617 lbs.
<b>Off-road</b>				
Ground Clearance- Steel Suspension (inches)	8.5 in.	8.5 in.	8.5 in.	N/A
Ground Clearance- Air Suspension, Normal (inches)	8.3 in.	8.3 in.	8.3 in.	8.4 in.
Ground Clearance- Air Suspension, Loading Level (inches)	6.2 in.	6.2 in.	6.2 in.	6.4 in.
Ground Clearance- Air Suspension, Low Level (inches)	7.4 in.	7.4 in.	7.4 in.	7.6 in.
Ground Clearance-- Air Suspension, Low Level @ speed (inches)	7.0 in.	7.0 in.	7.0 in.	7.2 in.
Ground Clearance- Air Suspension, Off-road I (inches)	9.4 in.	9.4 in.	9.4 in.	9.5 in.
Ground Clearance--Air Suspension, Off-road II (inches)	10.6 in.	10.6 in.	10.6 in.	10.7 in.
Wading Depth - Steel Suspension (inches)	19.7 in.	19.6 in.	19.6 in.	N/A
Wading Depth- Air Suspension, Normal (inches)	19.7 in.	19.6 in.	19.6 in.	19.6 in.
Wading depth- Air Suspension, Low Level (inches)	18.5 in.	18.5 in.	18.5 in.	18.5 in.
Wading depth-- Air Suspension, Low Level @ speed (inches)	18.2 in.	18.1 in.	18.1 in.	18.3 in.
Wading depth- Air Suspension, Off-road I (inches)	20.6 in.	20.6 in.	20.6 in.	20.6 in.
Wading depth--Air Suspension, Off-road II (inches)	21.8 in.	21.8 in.	21.8 in.	21.8 in.
Ramp-over angle- Steel Suspension (inches)	20.9°	20.9°	20.9°	20.9°
Ramp-over angle- Air Suspension, Normal (inches)	20.0°	20.0°	20.0°	20.0°
Ramp-over angle- Air Suspension, Loading Level (inches)	15.5°	15.5°	15.5°	15.5°
Ramp-over angle- Air Suspension, Low Level (inches)	18.0°	18.0°	18.0°	18.0°
Ramp-over angle-- Air Suspension, Low Level @ speed (inches)	17.0°	17.0°	17.0°	17.0°
Ramp-over angle- Air Suspension, Off-road I (inches)	22.0°	22.0°	22.0°	22.0°
Ramp-over angle--Air Suspension, Off-road II (inches)	24.5°	24.5°	24.5°	24.5°
Approach angle- Steel Suspension (inches)	26.3°	26.3°	26.3°	N/A
Approach angle- Air Suspension, Normal (inches)	25.9°	25.9°	25.9°	26.4°
Approach angle- Air Suspension, Loading Level (inches)	21.7°	21.7°	21.7°	22.2°
Approach angle- Air Suspension, Low Level (inches)	24.5°	24.5°	24.5°	25.0°
Approach angle-- Air Suspension, Low Level @ speed (inches)	23.1°	23.1°	23.1°	23.6°
Approach angle- Air Suspension, Off-road I (inches)	27.3°	27.3°	27.3°	27.8°
Approach angle--Air Suspension, Off-road II (inches)	29.3°	29.3°	29.3°	29.8°
Departure angle- Steel Suspension (inches)	23.8°	23.8°	23.8°	N/A
Departure angle- Air Suspension, Normal (inches)	23.1°	23.1°	23.1°	23.6°
Departure angle- Air Suspension, Loading Level (inches)	20.5°	20.5°	20.5°	21.0°
Departure angle- Air Suspension, Low Level (inches)	22.5°	22.5°	22.5°	23.0°
Departure angle-- Air Suspension, Low Level @ speed (inches)	20.6°	20.6°	20.6°	21.1°
Departure angle- Air Suspension, Off-road I (inches)	24.2°	24.2°	24.2°	24.7°
Departure angle--Air Suspension, Off-road II (inches)	26.2°	26.2°	26.2°	26.7°
<b>Performance</b>				
Top track speed (mph)	135 mph	160 mph	151 mph	173 mph
Top track speed- electric only (mph)			78	
Acceleration 0-60 (mph)	7.2 sec	5.2 sec	5.4 sec	4.2 sec
Acceleration 0-60 with Sport Chrono (mph)	7.1 sec	5.1 sec	N/A	4.1 sec
<b>Fuel Economy/Rating</b>				
Rating	Tier II BIN5	TBD	TBD	TBD
City	20	TBD	TBD	TBD
Highway	29	TBD	TBD	TBD
Combined	23	TBD	TBD	TBD