

# Cayenne S

## Fuel and emissions

Fuel type	Super Plus (98 RON)
Fuel consumption combined (WLTP)	13.4 – 12.4 l/100 km
CO <sub>2</sub> emissions combined (WLTP)	303 – 282 g/km
Emissions standard	EU6 EA
Fuel tank capacity	90 l

## Engine

Type	V8 biturbo; with petrol particulate filter
Number of cylinders	8
Valves per cylinder	4
Displacement	3,996 cm <sup>3</sup>
Bore	86.0 mm
Stroke	86.0 mm
Maximum power	349 kW (474 PS)
at engine speed	6,000 1/min
Maximum torque	600 Nm
at engine speed	2,000 – 5,000 1/min
Specific output	87 kW/l (118 PS/l)
Compression ratio	9.7:1
Maximum engine speed	6,800 1/min
Cooling system	Water cooling, thermal management with control thermostat
Valve control	VarioCam Plus: camshaft control on the inlet and outlet sides; two-stage valve lift switchover on the inlet side

# Cayenne S

## Power transmission

Drive system	Porsche Traction Management (PTM): active all-wheel drive with electronically controlled and map-controlled multi-plate clutch, variable torque distribution between front and rear axle
Gearbox	Eight-speed Tiptronic S
Gear ratios	
1 <sup>st</sup> gear	5.00
2 <sup>nd</sup> gear	3.20
3 <sup>rd</sup> gear	2.14
4 <sup>th</sup> gear	1.72
5 <sup>th</sup> gear	1.31
6 <sup>th</sup> gear	1.00
7 <sup>th</sup> gear	0.82
8 <sup>th</sup> gear	0.64
Reverse gear	3.48
Rear-axle gear ratio	3.21

## Chassis

Suspension and damping	Steel suspension including Porsche Active Suspension Management (PASM)
Front axle	Aluminium multi-link axle, independent suspension
Rear axle	Aluminium multi-link axle, independent suspension
Steering	Electromechanical power steering
Steering ratio	13.3:1 (centre position)
Turning circle diameter	12.1 m
Vehicle stability system	Porsche Stability Management (PSM) incl. ABS, ASR, ABD, EDC and Trailer Stability Management

# Cayenne S

## Brakes

Brake system	Hydraulic dual-circuit brake system with axle distribution; electric brake booster; electric duo-servo parking brake (EPB); auto-hold function; multi-collision brake; Porsche Hill Control (PHC)
Front brakes	Six-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented
Diameter	410 mm
Thickness	38 mm
Rear brakes	Four-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented
Diameter	358 mm
Thickness	28 mm

## Wheels and tyres

Front wheels and tyres	9 J x 20 ET 50 with 255/55 ZR 20 tyres
Rear wheels and tyres	10.5 J x 20 ET 64 with 295/45 ZR 20 tyres

## Dimensions

Length	4,930 mm
Width (including exterior mirrors)	1,983 mm (2,194 mm)
Height	1,697 mm
Wheelbase	2,895 mm
Front track width	1,676 mm
Rear track width	1,653 mm

# Cayenne S

## Luggage compartment volume and weights

Luggage compartment volume	772 – 1,708 l
Unladen weight (DIN)	2,160 kg
Permissible gross weight	2,930 kg
Permissible trailer load (braked/unbraked)	3,500/750 kg
Maximum towball load	140 kg
Permissible roof load (with Porsche roof transport system)	100 kg

## Performance

Top speed	273 km/h
Acceleration	
0 – 60 mph	4.7 s
0 – 60 mph with Launch Control	4.4 s
0 – 100 km/h	5.0 s
0 – 100 km/h with Launch Control	4.7 s
0 – 160 km/h	11.4 s
0 – 160 km/h with Launch Control	11.1 s
0 – 200 km/h	18.6 s
0 – 200 km/h with Launch Control	18.3 s

## Aerodynamics

Drag coefficient ( $c_d$ )	0.35
Cross-sectional area A	2.85 m <sup>2</sup>
$c_d \times A$	0.998 m <sup>2</sup>