

Technical data**Cayenne S****Engine**

Type	V6 bi-turbo; with petrol particulate filter
No. of cylinders	6
Valves/cylinder	4
Displacement	2,894 cm ³
Bore	84.5 mm
Stroke	86.0 mm
Max. power output	324 kW (440 hp)
at engine speed	5,700–6,600 rpm
Max. torque	550 Nm
at engine speed	1,800–5,500 rpm
Max. output per litre	112.0 kW/l (152.0 hp/l)
Compression ratio	10.5:1
Maximum engine speed	6,800 rpm
Cooling system	Water cooling, thermal management with control thermostat and potted water pump
Valve control	VarioCam Plus: Camshaft control on the inlet and outlet side, valve-lift adjustment on the inlet side

The technical data may vary from country to country. All information refers to the EU model.

Technical data

Cayenne S

Power transmission

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

Chassis

Suspension and damping	Steel springs with Porsche Active Suspension Management (PASM)
Front axle	Aluminium multi-link suspension, independent wheel suspension
Rear axle	Aluminium multi-link suspension, independent wheel suspension
Steering	Electromechanical power steering; optional rear-axle steering
Steering ratio	13.3:1 (centre position); with RAS 12.2:1 (centre position)
Turning circle diameter	12.1 m; with rear-axle steering 11.5 m
Driving stability system	Porsche Stability Management (PSM) including ABS with enhanced braking functions; Trailer Stability Management

Cayenne S

Brakes

Brake system	Six-piston aluminium monobloc fixed-calliper brakes at the front, four-piston aluminium monobloc fixed-calliper brakes at the rear
Brake discs, front axle	Grey cast iron; internally vented
Diameter	390 mm
Thickness	38 mm
Brake discs, rear axle	Grey cast iron; internally vented
Diameter	330 mm
Thickness	28 mm

Wheels and tyres

Wheels with tyres, front	8.5 J x 19 ET 47 with 255/55 ZR 19 tyres
Wheels with tyres, rear	9.5 J x 19 ET 54 with 275/50 ZR 19 tyres

Dimensions

Length	4,918 mm
Width (including exterior mirrors)	1,983 mm (2,194 mm)
Height	1,696 mm
Wheelbase	2,895 mm
Track width, front	1,680 mm
Track width, rear	1,673 mm

Luggage compartment volumes and weights

Luggage compartment volumes	772 – 1,708 l
Unladen weight (DIN)	2,020 kg
Allowable gross weight	2,840 kg
Allowable trailer load (braked/unbraked)	3,500/750 kg
Allowable hook load	140 kg
Allowable roof load (with Porsche DTS)	100 kg

Technical data**Cayenne S****Driving performance**

Top speed	265 km/h
Acceleration	
0 – 60 mph	4.9 s
0 – 60 mph with Sport Plus	4.6 s
0 – 100 km/h	5.2 s
0 – 100 km/h with Sport Plus	4.9 s
0 – 160 km/h	11.6 s
0 – 160 km/h with Sport Plus	11.3 s
0 – 200 km/h	18.9 s
0 – 200 km/h with Sport Plus	18.6 s

Fuel and emissions

Emissions standard	Euro 6d-ISC-FCM (EU6 AP)
Fuel type	Super Plus (98 RON)
Fuel consumption	
Urban	12.8 l/100 km
Extra-urban	8.0 – 7.8 l/100 km
Combined	9.8 – 9.7 l/100 km
CO₂ emissions	
Combined	223 – 220 g/km
Efficiency class in Germany	D
Fuel tank capacity (optional)	75 l (90 l)

Aerodynamics

Drag coefficient c_d	0.34
Frontal area A	2.83 m ²
$c_d \times A$	0.962 m ²