

Cayenne Turbo S E-Hybrid

Drive system

Type	Parallel full hybrid with plug-in technology, combustion engine and hybrid module with electric motor and electromagnetically operated release clutch
Max. system output	500 kW (680 PS)
at engine speed	5,750 – 6,000 rpm
Max. system torque	900 Nm
at engine speed	1,500 – 5,000 rpm

Combustion engine

Type	V8 twin-turbo; with gasoline particulate filter
No. of cylinders	8
Valves/cylinders	4
Displacement	3,996 cm ³
Bore	86.0 mm
Stroke	86.0 mm
Max. power output	404 kW (550 PS)
at engine speed	5,750 – 6,000 rpm
Max. torque	770 Nm
at engine speed	2,100 – 4,500 rpm
Max. power output per litre	101.1 kW/l (137.6 PS/l)
Compression ratio	10.1:1
Max. engine speed	6,800 rpm
Cooling system	Water cooling; thermal management with control thermostat and potted water pump

Electric motor

Type	Permanent-field synchronous motor with external rotor
Max. power output	100 kW (136 PS)
at engine speed	2,500 – 3,000 rpm
Max. torque	400 Nm
at engine speed	100 – 2,300 rpm

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

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Plug-in system

Traction battery	Lithium-ion battery with temperature control
Energy content	17.9 kWh
Rated voltage	374 V
Charger	On-board charger with 7.2 kW

Power transmission

Drive system	Porsche Traction Management (PTM): Active all-wheel drive with electronically regulated, map-controlled multi-plate clutch, variable torque distribution between front and rear axle	
Transmission	Eight-speed Tiptronic S	
Gear ratio		
	1 st gear	4.71
	2 nd gear	3.14
	3 rd gear	2.11
	4 th gear	1.67
	5 th gear	1.29
	6 th gear	1.00
	7 th gear	0.84
	8 th gear	0.67
	Reverse gear	3.32
	Axle ratio	2.95

Chassis

Suspension and damping	Adaptive three-chamber air suspension featuring 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 Plus; optional rear-axle steering (RAS)
Steering ratio	13.3:1 (centre position); with RAS 12.2:1 (centre position)
Turning circle diameter	12.1 m; with RAS 11.5 m
Vehicle stability system	Porsche Stability Management (PSM) with ABS, ASR, ABD, EDTC and Trailer Stability Management

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Brakes

Brake system	Ten-piston aluminium monobloc fixed calliper brakes at the front, four-piston aluminium monobloc fixed calliper brakes at the rear; electric parking brake	
Brake discs, front axle	Porsche Ceramic Composite Brake (PCCB); ceramic brake discs, internally ventilated	
	Diameter	440 mm
	Thickness	40 mm
Brake discs, rear axle	Porsche Ceramic Composite Brake (PCCB); ceramic brake discs, internally ventilated	
	Diameter	410 mm
	Thickness	32 mm

Wheels and tyres

Wheels with tyres, front	9.5 J x 21 ET 46 with 285/40 ZR 21 tyres
Wheels with tyres, rear	11 J x 21 ET 58 with 315/35 ZR 21 tyres

Dimensions

Length	4,926 mm
Width (with exterior mirrors)	1,983 mm (2,194 mm)
Height	1,673 mm
Wheelbase	2,895 mm
Track width, front	1,687 mm
Track width, rear	1,670 mm

Luggage compartment volumes and weights

Luggage compartment volumes	645 – 1,607 l
Unladen weight according to DIN	2,490 kg
Permissible gross weight	3,075 kg
Permissible trailer load (braked/unbraked)	3,000/750 kg
Permissible drawbar load	120 kg
Permissible roof load (with Porsche roof transport system)	100 kg

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Performance

Top speed	295 km/h
Top speed, electric drive	135 km/h
Acceleration	
0 – 60 mph	3.6 s
0 – 100 km/h	3.8 s
0 – 160 km/h	8.4 s
0 – 200 km/h	13.2 s

Fuel and emissions

Emissions standard	Euro 6d-ISC-FCM (EU6 AP)
Fuel type	Super Plus (98 RON)
Fuel consumption	
Combined	3.3 – 3.2 l/100 km
Power consumption	
Combined	23.3 – 22.8 kWh/100 km
CO₂ emissions	
Combined	75 – 72 g/km
Efficiency class Germany	A+
Fuel tank capacity	75 l
Electric range (WLTP EAER City)	41 – 42 km
Electric range (NEFZ)	52 – 53 km

Aerodynamics

Drag coefficient c_d	0.35
Frontal area A	2.82 m ²
$c_d \times A$	0.987 m ²