

Cayenne Turbo E-Hybrid

Fuel and emissions

Fuel consumption combined (weighted) (WLTP)	2.0 – 1.7 l/100 km
Energy consumption combined (weighted) (WLTP)	31.7 – 29.9 kWh/100 km
CO ₂ emissions combined (weighted) (WLTP)	45 – 39 g/km
Electric range (EAER) (WLTP)	70 – 73 km
Electric range in town (EAER city) (WLTP)	76 – 82 km
Emissions standard	EU6 EA
Fuel type	Super Plus (98 RON)
Fuel tank capacity	70 l

Drive system

Type	Parallel full hybrid with plug-in technology; combustion engine and hybrid module with electric motor and electromagnetic clutch
Maximum system power	544 kW (739 PS)
at engine speed	5,500 – 6,800 1/min
Maximum system torque	950 Nm
at engine speed	900 – 5,130 1/min

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Combustion engine

Type	Twin-turbo V8 with petrol particulate filter
Number of cylinders	8
Valves per cylinder	4
Displacement	3,996 cm ³
Bore	86.0 mm
Stroke	86.0 mm
Maximum power	441 kW (599 PS)
at engine speed	6,000 1/min
Maximum torque	800 Nm
at engine speed	2,400 – 4,500 1/min
Specific output	110 kW/l (149 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 variable valve lift on the inlet side

Electric motor

Type	Permanent magnet synchronous motor with external rotor
Maximum power	130 kW (176 PS)
at engine speed	3,200 1/min
Maximum torque	460 Nm
at engine speed	0 – 2,690 1/min

Plug-in system

Drive battery	Temperature-controlled lithium-ion battery
Energy capacity	25.9 kWh
Nominal voltage	370 V
Charger	On-board charger with 11 kW
Charging time (with 9.6 kW, 0-100 %)	approx. 3 h 15 min
Charging time (with 11 kW, 0-100 %)	approx. 2 h 39 min

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Power transmission

Drive system	Porsche Traction Management (PTM): Active all-wheel drive with electronically controlled, map-controlled multi-plate clutch, variable torque distribution between the front and rear axles; Porsche Torque Vectoring Plus (PTV Plus): variable torque distribution at the rear wheels including electronically controlled limited-slip differential	
Gearbox	Eight-speed Tiptronic S	
Gear ratios		
	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
	Rear-axle gear ratio	2.95

Chassis

Suspension and damping	Adaptive two-chamber air suspension with height adjustment; Porsche Active Suspension Management (PASM): electronically controlled damping system with two-valve dampers, continuous damper control and three manually selectable control maps	
Front axle	Independent aluminium multi-link suspension	
Rear axle	Independent aluminium multi-link suspension	
Steering	Electromechanical Power Steering Plus	
Steering ratio	13.3:1 (centre position)	
Turning circle diameter	12.2 m	
Vehicle stability system	Porsche Stability Management (PSM) with ABS, ASR, ABD, EDC and Trailer Stability Management	

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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	Ten-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented
Diameter	420 mm
Thickness	40 mm
Rear brakes	Four-piston aluminium monobloc fixed-calliper brakes; grey cast-iron discs, internally vented
Diameter	365 mm
Thickness	28 mm

Wheels and tyres

Front wheels and tyres	9.5 J x 21 ET 46 with 285/45 ZR 21 tyres
Rear wheels and tyres	11 J x 21 ET 58 with 315/40 ZR 21 tyres

Dimensions

Length	4,930 mm
Width (including exterior mirrors)	1,983 mm (2,194 mm)
Height	1,685 mm
Wheelbase	2,895 mm
Front track width	1,688 mm
Rear track width	1,668 mm

Luggage compartment volume and weights

Luggage compartment volume	621 – 1,557 l
Unladen weight (DIN)	2,570 kg
Permissible gross weight	3,215 kg
Permissible trailer load (braked/unbraked)	3,000 kg/750 kg
Maximum towball 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 with electric motor only	135 km/h
Acceleration	
0 – 60 mph	3.5 s
0 – 100 km/h	3.7 s
0 – 160 km/h	8.1 s
0 – 200 km/h	12.2 s

Aerodynamics

Drag coefficient (c_d)	0.35
Cross-sectional area A	2.84 m ²
$c_d \times A$	0.994 m ²