

# Panamera Turbo S E-Hybrid

## Fuel consumption and emissions

|  |                        |
|--|------------------------|
| Fuel consumption combined (weighted) (WLTP)          | 1.6 – 1.4 l/100 km     |
| Energy consumption combined (weighted) (WLTP)        | 29.3 – 27.4 kWh/100 km |
| CO <sub>2</sub> emissions combined (weighted) (WLTP) | 36 – 31 g/km           |
| Electric range (EAER) (WLTP)                         | 78 – 84 km             |
| Electric range, urban (EAER city) (WLTP)             | 80 – 88 km             |
| Emission standard                                    | EU6 EA                 |
| Fuel type  | Super Plus (98 RON)    |
| Fuel tank capacity                                   | 80 l                   |

## Drive system

|                       |  |
|-----------------------|--|
| Type                  | Parallel full hybrid with plug-in technology; combustion engine with electric motor integrated into the transmission, electromagnetic clutch |
| Maximum system power  | 575 kW (782 PS)  |
| at engine speed       | 6,000 1/min  |
| Maximum system torque | 1000 Nm  |
| at engine speed       | 1,860 – 5,260 1/min  |

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## Combustion engine

|                      |  |
|----------------------|--|
| Type                 | V8 twin-turbo 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        | 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 rpm  |
| 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            | Permanently excited synchronous motor with internal rotor |
| Maximum power   | 140 kW (190 PS)   |
| at engine speed | 3,200 1/min   |
| Maximum torque  | 450 Nm  |
| at engine speed | 700 – 2,971 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 capacity       |
| Charging time (at 9.6 kW, 0-100 %) | approx. 3 h 15 min.                        |
| Charging time (at 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 and map-controlled multi-plate clutch, variable torque distribution between front and rear axle |      |
| Gearbox      | Eight-speed Porsche dual-clutch transmission (PDK)   |      |
| Gear ratios  |  |      |
|              | 1 <sup>st</sup> gear   | 5.97 |
|              | 2 <sup>nd</sup> gear   | 3.22 |
|              | 3 <sup>rd</sup> gear   | 2.08 |
|              | 4 <sup>th</sup> gear   | 1.42 |
|              | 5 <sup>th</sup> gear   | 1.05 |
|              | 6 <sup>th</sup> gear   | 0.84 |
|              | 7 <sup>th</sup> gear   | 0.68 |
|              | 8 <sup>th</sup> gear   | 0.53 |
|              | Reverse gear   | 5.32 |
|              | Rear-axle gear ratio   | 3.15 |

## 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               | Aluminium double-wishbone front suspension   |  |
| Rear axle                | Aluminium multi-link rear suspension   |  |
| Steering                 | Electromechanical Power Steering Plus  |  |
| Steering ratio           | 14.1:1 (on-centre)   |  |
| Turning circle diameter  | 11.4 m   |  |
| Vehicle stability system | Porsche Stability Management (PSM) with ABS and extended brake functions   |  |

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## Brakes

|                |  |
|----------------|--|
| Braking system | Hydraulic dual-circuit braking system with front axle/rear axle split; electric brake booster; electric duo-servo parking brake (EPB); auto hold function; multi-collision brake |
| Front brakes   | Porsche Ceramic Composite Brake (PCCB);<br>ceramic brake discs, internally ventilated and cross-drilled  |
| Diameter       | 440 mm   |
| Thickness      | 40 mm  |
| Rear brakes    | Porsche Ceramic Composite Brake (PCCB);<br>ceramic brake discs, internally ventilated and cross-drilled  |
| Diameter       | 410 mm   |
| Thickness      | 32 mm  |

## Wheels and tyres

|                        |   |
|------------------------|---|
| Front wheels and tyres | 9.5 J x 21 ET 71 with 275/35 ZR 21 tyres  |
| Rear wheels and tyres  | 11.5 J x 21 ET 69 with 325/30 ZR 21 tyres |

## Dimensions

|                                    |                     |
|------------------------------------|---------------------|
| Length                             | 5,054 mm            |
| Width (including exterior mirrors) | 1,937 mm (2,165 mm) |
| Height                             | 1,423 mm            |
| Wheelbase                          | 2,950 mm            |
| Front track width                  | 1,666 mm            |
| Rear track width                   | 1,637 mm            |

## Luggage compartment volume and weights

|   |               |
|---|---------------|
| Luggage compartment volume                                    | 421 – 1,255 l |
| Unladen weight (DIN)  | 2,365 kg      |
| Permissible gross weight                                      | 2,865 kg      |
| Permissible roof load<br>(with Porsche roof transport system) | 75 kg         |

# Panamera Turbo S E-Hybrid

## Performance

|                                    |          |
|------------------------------------|----------|
| Top speed                          | 325 km/h |
| Top speed with electric motor only | 140 km/h |
| Acceleration                       |          |
| 0 – 60 mph                         | 2.8 s    |
| 0 – 100 km/h                       | 2.9 s    |
| 0 – 160 km/h                       | 6.5 s    |
| 0 – 200 km/h                       | 9.9 s    |

## Aerodynamics

|                            |                      |
|----------------------------|----------------------|
| Drag coefficient ( $c_d$ ) | 0.29                 |
| Frontal area A             | 2.41 m <sup>2</sup>  |
| $c_d \times A$             | 0.699 m <sup>2</sup> |