

Racetrack to road: the new Lamborghini Huracán STO



Technical Data - Lamborghini Huracán STO

CHASSIS AND BODY	
Chassis	Hybrid chassis made from aluminum and carbon fiber
Body shell	Outer skin made from aluminum and largely from composite material, Front bonnet, "Cofango" in carbon fiber
Suspension	Aluminum double-wishbone suspension
Springs and dampers	Steel springs and hydraulic dampers, "MagneRide" electromagnetic damper control
Electronic Stability Control (ESC)	ESC/ABS characteristics can be adjusted via ANIMA, ESC can be deactivated
Steering	Electromechanical power steering, rear-wheel-steering, steering ratio of 13.4:1
Brakes	Hydraulic dual-circuit brake system with vacuum brake servo unit, 6-piston aluminum calipers (front), 4-piston aluminum calipers (rear)
Brake discs	CCM-R Carbon-ceramic discs, ventilated and cross-drilled Ø 390 x 34 mm front, Ø 360 x 28 mm rear
Tires (standard)	Bridgestone Potenza 245/30 R20 (front) – 305/30 R20 (rear)
Wheels (standard)	8.5J x 20" (front) – 11J x 20" (rear)
Mirrors	Electrically controlled exterior mirrors
Airbags	Full size dual-stage front airbags. Full size lateral airbags. Knee airbags in specific markets.
ENGINE	
Type	Ten-cylinder V, 90°, IDS+MPI dual injection
Displacement	5,204 cm ³ (317.57 cu in)
Bore / stroke	Ø 84,5 mm x 92,8 mm (3.33 x 3.65 in)
Valve control	Intake and exhaust camshafts with continually variable adjustment
Compression	12.7 : 1
Max. power	470 kW / 640 hp at 8,000 rpm
Max. torque	565 Nm (417 lb. ft.) at 6,500 rpm
Emissions class	EURO 6 – LEV 3
Exhaust treatment	Two catalysts with lambda regulation
Cooling system	Water and oil cooling systems
Engine Management	Bosch MED 17 Master Slave
Lubrication	Dry sump



DRIVETRAIN	
Type	Rear-wheel drive system, mechanical self-locking differential
Transmission	7-speed LDF dual-clutch transmission, shift characteristics variable via ANIMA
Clutch	Double plate clutch \varnothing 187 mm (7.36 in)
PERFORMANCE	
Top Speed	310 km/h
Acc. 0–100 km/h	3.0 s
Acc. 0–200 km/h	9.0 s
Braking 100 km/h - 0 Braking 200 km/h - 0	30.0 m 110.0 m
DIMENSIONS	
Wheelbase	2,620 mm (103.15 in)
Length	4,549 mm (179.10 in)
Width	1,945 mm (76.57 in)
Width (incl. ext. mirrors)	2,236 mm (88.03 in)
Height	1,220 mm (48.03 in)
Track front	1,688 mm (66.46 in)
Track rear	1,647 mm (64.84 in)
Turning circle	11.5 m
Weight (dry)	1,339 kg (2,952 lb)
Weight/power	2.09 kg/hp (4.61 lb/CV)
Weight Distribution	41% (front) – 59% (rear)
CAPACITIES	
Fuel	80 liters
Trunk (front)	38 liters
CONSUMPTION	
Combined CO2 emissions	WLTP Cycle The fuel consumption and emissions data is in the type approval stage, the car is not available for sale yet.