2008 LEXUS IS Specifications (Continued)

IS 350

PERFORMANCE

0-60 MPH Acceleration
5.3 seconds\(^1\), 5.2 seconds\(^2\)
1/4 Mile Acceleration
14.2 seconds\(^3\)
Top Track Speed
142 mph (electronically limited)\(^4\)
EPA Fuel Economy Estimates
18/25 mpg\(^5\) (city/highway)
Aerodynamic Drag Coefficient
0.28
Turning Circle
33.5 ft

CHASSIS

Vehicle Stability Control (VSC)\(^6\)
Electronic system that monitors and helps control loss of traction in a turn using yaw-rate, deceleration, vehicle-speed and steering-wheel-angle sensors. Modulates engine power and applies individual brakes as necessary. Integrates Anti-lock Braking System (ABS), Brake Assist\(^7\) and Traction Control (TRAC).

Vehicle Dynamics Integrated Management (VDIM)\(^8\)
Advanced stability and traction management system designed to proactively but seamlessly integrate separate vehicle functions to help enhance driver control and vehicle performance under a variety of adverse conditions. VDIM\(^8\) manages the integration of Electronic Controlled Braking (ECC), Electronic Power Steering (EPS), Variable Gear-Ratio Steering (VGRS), Vehicle Stability Control (VSC)\(^9\), Traction Control (TRAC), Anti-lock Braking System (ABS), Electronic Braketrace Distribution (EDB) and Brake Assist\(^10\) (IS 350 only).

Suspension
Front: Independent, double-wishbone with coil springs, monotube gas-pressurized shock absorbers and hollow stabilizer bar.
Rear: Independent, multi-link with coil springs, inverted monotube gas-pressurized shock absorbers and stabilizer bar.

Steering
Electronic Power Steering (EPS) system, 29 turns lock to lock.

Brakes
Four-wheel power-assisted discs, with four-sensor, four-channel Anti-lock Braking System (ABS), Electronic Braketrace Distribution (EDB) and Brake Assist\(^11\) Four-piston front calipers. 13.1-in front, 12.2-in rear ventilated discs (IS 350). 11.6-in front, 11.4-in solid rear discs (IS 250).

Wheels and Tires
17 x 8.0-in alloy wheels with 225/45VR17 all-season tires front.\(^2\) 245/45VR17 all-season tires rear.\(^2\) (IS 350 and IS 250 RWD)
17 x 8.0-in alloy wheels with 225/45VR17 all-season tires.\(^2\) (IS 350 and IS 250 AWD). Optional wheels and tires: 18 x 8.0-in alloy wheels with 225/40YR18 tires front, 18 x 8.5-in alloy wheels with 255/40YR18 tires rear.\(^2\) (IS 350 and IS 250 RWD).

DRIVETRAIN

Transmission

Drive Wheels
Rear, with standard Vehicle Dynamics Integrated Management (VDIM)\(^8\) (IS 350).
Rear, with standard Vehicle Stability Control (VSC)\(^11\) (IS 250 RWD) Full-time all-wheel drive (AWD), with standard Vehicle Stability Control (VSC)\(^11\) (IS 250 AWD).

Final Drive Ratio
4.0831 (IS 350)
39091 (IS 250 RWD A/T)
3.7271 (IS 250 RWD M/T)
41001 (IS 250 AWD)

IS 250

PERFORMANCE

0-60 MPH Acceleration
7.9 seconds (RWD), 8.3 seconds (AWD)\(^9\)
1/4 Mile Acceleration
16.0 seconds (RWD)\(^9\), 16.0 seconds (AWD)\(^9\)
Top Track Speed
140 mph (RWD A/T), 142 mph (RWD M/T), 130 mph (AWD)\(^9\)
EPA Fuel Economy Estimates
18/26 mpg\(^2\) (city/highway) (RWD A/T), 20/26 mpg\(^2\) (city/highway) (RWD M/T), 18/26 mpg\(^2\) (city/highway) (RWD A/T), 20/26 mpg\(^2\) (city/highway) (AWD)\(^9\)
Aerodynamic Drag Coefficient
0.28
Turning Circle
33.5 ft

SAFETY AND SECURITY

Driver’s and front passenger’s advanced airbag system (SRS) with passenger’s twin-chamber airbag\(^8\)
• Front seat-mounted side airbags (SRS)\(^8\)
• Front and rear side curtain airbags (SRS)\(^8\)
• Driver’s and front passenger’s knee airbags\(^8\)
• Three-point seatbelts for all seating positions, pre-tensioners with force limiters for front and outboard rear seats • Automatic Locking Retractor/Emergency Locking Retractor (ALR/ELR) seatbelts for all passenger seating positions. Emergency Locking Retractor (ELR) only for driver’s seat • Height-adjustable front shoulder belt anchors • Child Restraint Seat (CRS) tether anchor brackets for rear outboard seating positions • Four-wheel power-assisted disc brakes • Four-sensor, four-channel Anti-lock Braking System (ABS) • Vehicle Dynamics Integrated Management (VDIM)\(^8\) (IS 350 only) • Vehicle Stability Control (VSC)\(^9\) • Traction Control (TRAC) • Brake Assist\(^9\) • Electronic Braketrace Distribution (EDB)
• Direct tire Pressure Monitor System\(^9\)
• Rigid body structure with front and rear crumple zones • Side-impact door beams • Reinforcements in pillars • Impact-dissipating upper interior trim • Collapsible steering column • Daytime running lights • Integrated faglamps • Water-repellent front-door glass • Variable intermittent windshield wipers with mist cycle • Rear-window defogger with auto-off timer • Power-adjustable outside mirrors with puddle lamps • Vehicle theft-deterrent and engine immobilizer system \(^9\)

LUXURY

Metallic-Finish interior trim • Leather-trimmed interior • Leather-trimmed steering wheel and shift knob • Steering-wheel-mounted audio and display controls • Tilt- and telescopic steering column • Lexus 13-speaker Premium Sound System with Automatic Sound Levelizer (ASL) and in-dash, single-feed, six-disc CD auto-changer • Auxiliary Input\(^10\)/MP3/WindMedia® Audio (WMA) port • In-glass antenna with FM-diversity system • Heated front seats (IS 250 AWD only) • 10-way (including lumbar) driver’s and front passenger’s power seats • Height-adjustable headrests for all seats, including rear-center • Dual-zone automatic climate control with interior air filter and automatic recirculation mode (IS 250 includes smog sensor) • Power windows with one-touch auto-open/close feature • Remote-linked window and moonroof opening • Retained accessory power for windows and moonroof • Electrochromic (auto-dimming) inside rearview mirror • Power door locks • Cruise control • SmartAccess\(^5\), 6 with push-button start • Center console with sliding armrest, storage bin and accessory outlet • Foldable front-door storage pockets • HomeLink\(^6\) universal transceiver to operate compatible garage, gate, home lighting and home security systems • Illuminated entry system • Electroluminescent instrumentation with startup sequence • Illuminated interior electronic trunk-lid and fuel-filter door releases • Lexus Personalized Settings (LPS)\(^2\) to customize electronic functions • Automatic on/off projector-beam headlamps with 30-second delay • Dual chrome exhaust tips • T runkl pass-through • Carpeted floor mats

Transmission

Drive Wheels
Rear, with standard Vehicle Dynamics Integrated Management (VDIM)\(^8\) (IS 350).
Rear, with standard Vehicle Stability Control (VSC)\(^11\) (IS 250 RWD) Full-time all-wheel drive (AWD), with standard Vehicle Stability Control (VSC)\(^11\) (IS 250 AWD).

Final Drive Ratio
4.100:1 (IS 250 AWD)
3.727:1 (IS 250 rWD M/T)
3.909:1 (IS 250 rWD A/T)

1/4 Mile Acceleration
16.0 seconds (RWD), 16.0 seconds (AWD)\(^9\)
0-60 MPH Acceleration
7.9 seconds (RWD), 8.3 seconds (AWD)\(^9\)

EPA Fuel Economy Estimates
18/25 mpg\(^2\) (city/highway) (RWD A/T), 18/26 mpg\(^2\) (city/highway) (RWD M/T), 18/26 mpg\(^2\) (city/highway) (RWD A/T), 20/26 mpg\(^2\) (city/highway) (AWD)\(^9\)
Aerodynamic Drag Coefficient
0.28
Turning Circle
33.5 ft

\(^1\), \(^2\), \(^3\), \(^4\), \(^5\), \(^6\), \(^10\), \(^13\), \(^14\), \(^16\), \(^18\), \(^20\), \(^21\), \(^22\), \(^23\), \(^24\) See page 18 for more information.