2009 Explorer Sport Trac Technical Specifications

BODY		
Construction	Steel and composite body on fully boxed frame	
Final Assembly Location	Louisville, Ky.	Louisville, Ky.
POWERTRAIN AND CHASSIS		
ENGINE		
Type	**V-6**	**V-8**
Manufacturing Location	Cologne , Germany	Romeo, Michigan
Configuration	Cast iron block and aluminum heads	Cast iron block and aluminum heads
Intake Manifold	Composite, shell welded with internal runner pack	Composite shell-welded single runner, charge motion control valves
Exhaust Manifold	Cast iron	Cast iron
Crankshaft	Cast iron	Cast iron
Redline	6,000 rpm	6,250 rpm
Idle Speed in Drive	625 rpm	635 rpm
Throttle Body	65 mm	75 mm
Valvetrain	SOHC, 2 valves per cylinder	SOHC, 3 valves per cylinder, variable camshaft timing
Valve Diameter	Intake: 46.0 mm Exhaust: 39.0 mm	Intake: 33.8 mm Exhaust: 37.5 mm
Pistons	Hypereutectic aluminum	Hypereutectic aluminum
Connecting Rods	Forged steel	Cracked powdered metal with floating wristpins
Ignition	Distributorless with coil pack	Coil on plug, high-thread-insert spark plugs
Bore x stroke	3.95 x 3.32 in. / 100.4 x 84.4 mm	3.55 x 3.54 in. / 90.2 x 90.0 mm
Displacement	245 cu. in. / 4,009 cc	281 cu. in. / 4,606 cc
Compression ratio	9.7:1	9.8:1
Horsepower	210 @ 5,100 rpm	292 @ 5,000 rpm
Horsepower per liter	52.5	63.5
Torque	254 lb.-ft. @ 3,700 rpm	315 lb.-ft. @ 4000 rpm
Recommended fuel	87 Octane	87 Octane
Fuel capacity	22.5 Gallons	22.5 Gallons
Fuel Injection	Sequential multi-port fuel injection	Sequential multi-port fuel injection
Emission Control	Closed loop with catalyst	Closed loop with catalyst
Emissions (tailpipe/evaporation)		
Federal standards	Tier II, Bin 4/LEV2	Interim Tier II, Bin 5/Tier 2
California standards	Tier II, Bin 4/LEV2	ULEV2/LEV2
Oil Capacity	5 quarts with filter	6 quarts with filter
Recommended Oil	GF-4, 5W-30	GF-4, 5W-20
Coolant Capacity	12.5 quarts	12.7 quarts
DRIVETRAIN		
Layout	Rear- or four-wheel drive (active torque-on-demand 4x4 system)	Rear- or four-wheel drive (active torque-on-demand 4x4 system)
TRANSMISSION		
Standard	5-speed automatic overdrive	6-speed automatic overdrive
Gear Ratios		
1 st	3.22:1	4.17:1
2 nd	2.29:1	2.34:1
3 rd	1.54:1	1.52:1
4 th	1.00:1	1.14:1
5 th	0.71:1	0.86:1
6 th	N/A	0.69:1
REV	3.07:1	3.40:1
Final Drive	0.71:1	0.69:1
REAR AXLE RATIO		
Standard	3.73 3.55	
Optional	NA NA	
SUSPENSION		
Front	Independent short- and long-arms (SLA) design with coil-over shocks; 1.34" (32 mm) stabilizer bar	
Rear	Independent Trailing Blade short- and long-arm (SLA) design with coil-over shocks; 0.77" (25 mm) stabilizer bar	
STEERING		
Type	Low-friction rack-and-pinion with power assist	
Steering column	Tilt	
Ratio	18.9:1	
Turning circle curb-to-curb	36.8 ft.	
BRAKES		
Type	Four-wheel power disc brakes with standard 4-sensor, 4-channel antilock braking system (ABS) and AdvanceTrac® with RSC® (Roll Stability Control)	

Front	305 x 30 mm ventilated
Swept area	780 cm²
Rear	301 x 12 mm solid
Swept area	608 cm²
Power assist	Vacuum with ABS
FUEL ECONOMY (city/hwy)	
4x2 4.0-liter V-6 5-speed automatic	2009 MY figures N/A
4x2 4.6-liter V-8 6-speed automatic	2009 MY figures N/A
4x4 4.0-liter V-6 5-speed automatic	2009 MY figures N/A
4x4 4.6-liter V-8 6-speed automatic	2009 MY figures N/A
TIRES AND WHEELS	
	P235/70R16 A/S OWL tires/ 16 x 7.0 inch painted cast-aluminum wheels
	P245/65R17 A/S OWL tires/17x 7.5 inch painted cast-aluminum wheels
	P235/65R18 A/S OWL tires/ 18 x 7.5 inch machined aluminum wheels
	P235/65R18 A/S OWL tires/ 18 x 7.5 inch chrome-clad aluminum wheels
	P255/50R20 A/S BSW tires/ 20 x 8.0 inch polished aluminum wheels
DIMENSIONS (inches unless otherwise noted)	
EXTERIOR	
Wheelbase	130.5
Vehicle length	210.2
Vehicle width (excluding mirrors)	73.7
Vehicle height with options	72.5
Track, front/rear	60.8/61.8
Minimum Running Ground Clearance	8.5
Approach angle	28.7o
Departure angle	17.2o
Ramp breakover angle	17.2o
Cargo box length at floor	49.6
Cargo box width at floor (Maximum)	61.4
Cargo box height	21.2
INTERIOR	
Seating capacity	5 passenger
Headroom	
Front row	39.8
Second row	38.5
Legroom	
Front row	42.4
Second row	36.9
Shoulder room	
Front row	59.0
Second row	58.9
Hip room	
Front row	55.4
Second row	55.5

WEIGHTS AND CAPACITIES (pounds unless otherwise noted)		
Maximum towing capacity (when properly equipped)	**V-6**	**V-8**
4X2	5,250	7,160
4X4 /AWD	5,080	6,990
Maximum payload		
4X2	1,390	1,380
4X4 /AWD	1,350	1,390
Base curb weight		
4X2	4,583	4,673
4X4	4,753	4,840
Weight distribution (f/r)	4x2: 55/45	4x2: 56/44
	4x4: 56/44	4x4: 56/44

Specifications subject to change.