

2009 MUSTANG TECHNICAL SPECIFICATIONS

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BODY		
Construction	Unitized welded steel body, aluminum hood	
Final assembly location	Flat Rock, Mich.	
POWERTRAIN AND CHASSIS		
ENGINE	V-6	V-8
Type	4.0-liter 60-degree V-6	4.6-liter 90-degree V-8
Manufacturing location	Cologne, Germany	Romeo, Mich.
Configuration	Iron block and aluminum head	Aluminum block and head
Intake manifold	Composite shell-welded with internal runner pack	Composite shell-welded single runner, charge motion control valves
Exhaust manifold	Cast iron	Cast iron
Redline	6,100 rpm	6,250 rpm
Throttle body	65-mm single-bore electronic	55-mm dual-bore electronic
Valvetrain	SOHC, 2 valves per cylinder	SOHC, 3 valves per cylinder, variable camshaft timing
Valve diameter	Intake: 46.0 mm Exhaust: 39.0mm	Intake: 33.8 mm Exhaust: 37.5 mm
Pistons	Cast 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 3.32/100.4 x 84.4 mm	3.55 x 3.54/90.2 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
Engine control system	PCM	PCM
Horsepower	210 @ 5,300 rpm	300 @ 5,750 rpm
Horsepower per liter	53	65
Torque	240 lb.-ft. @ 3,500 rpm	320 lb.-ft. @ 4,500 rpm
Recommended fuel	87 octane	87 octane
Fuel capacity	16 gallons	16 gallons
Fuel injection	Electronic returnless sequential	Electronic returnless sequential
Oil capacity	5 quarts with filter	6 quarts with filter
Coolant capacity	12.5 quarts	14.2 quarts
DRIVETRAIN		
Layout	Rear-wheel drive	Rear-wheel drive
TRANSMISSION		
Standard	5-speed manual (Tremec T-5)	5-speed manual (Tremec 3650)
Gear ratios		
1st	3.75:1	3.38:1
2nd	2.19:1	2.00:1
3rd	1.41:1	1.32:1
4th	1.00:1	1.00:1
5th	0.72:1	0.68:1
Final Drive	3.31:1	3.55:1
Optional		

1st	3.22:1	3.22:1
2nd	2.29:1	2.29:1
3rd	1.54:1	1.54:1
4th	1.00:1	1.00:1
5th	0.71:1	0.71:1
Final Drive	3.31:1	3.31:1
SUSPENSION		
Front	Reverse-L independent MacPherson strut, 28.6-mm tubular stabilizer bar	Reverse-L independent MacPherson strut, 34-mm tubular stabilizer bar
Rear	3-link solid axle with coil springs and Panhard rod	3-link solid axle with coil springs, Panhard rod and 20-mm solid stabilizer bar
STEERING		
Type	Rack and pinion with power assist	Rack and pinion with power assist
Ratio	15.7:1	15.7:1
Turning circle curb-to-curb	33.4 ft.	37.7 ft.
BRAKES		
Type	Four-wheel power disc brakes with optional 4-sensor, 4-channel anti-lock braking system (ABS)	Four-wheel power disc brakes with optional 4-sensor, 4-channel anti-lock braking system (ABS)
Front	293 (11.5 in) x 30 mm vented disc, twin-piston 43-mm floating aluminum calipers	316 (12.4 in) x 30 mm vented disc, twin-piston 43-mm floating aluminum calipers
Rear	300 (11.8 in) x 19 mm vented disc, single piston 43 mm floating iron calipers	300 (11.8 in) x 19 mm vented disc, single piston 43 mm floating iron calipers
TIRES AND WHEELS (TYPE, SIZE)		
Standard	P215/65R16 A/S 16 x 7.0-inch wheels	P235/55ZR17 Performance A/S 17 x 8.0-inch wheels
Optional	17-inch wheel 18-inch premium aluminum	P235/50ZR18 18-inch polished aluminum wheels or 18-inch premium aluminum
DIMENSIONS (inches unless otherwise noted)		
	Coupe	Convertible
EXTERIOR		
Wheelbase	107.1	107.1
Overall length	187.6	188.0
Overall width	73.9	73.9
Overall height	55.4	55.7
Track, front/rear	62.4 / 63.0	61.9 / 62.5
INTERIOR		
Seating capacity	4	4
Front headroom	38.6	38.8
Front legroom	42.7	42.7
Front shoulder room	55.4	55.4
Front hip room	53.6	53.6
Rear headroom	34.7	36.3
Rear legroom	30.3	30.3
Rear shoulder room	53.4	45.0
Rear hip room	46.8	45.2
WEIGHTS AND CAPACITIES		
SAE passenger volume	84.7 cu. ft.	81.6 cu. ft.
Cargo volume	13.1 cu. ft.	9.7 cu. ft.

Maximum towing capacity (properly equipped)	1,000 lbs.	1,000 lbs.
FUEL ECONOMY (city/hwy)	5-speed Automatic	5-speed Manual
4.0-liter V-6	16/24	17/26
4.6-liter V-8	15/22	15/23
BASE CURB WEIGHT (POUNDS)		
Manual transmission	3,352	3,356
Automatic transmission	3,345	3,540
Weight distribution (f/r)	55/45	54/46
Power-to-weight ratio	19.4 lbs. per hp	15.2 lbs. per hp
Manual transmission	16.06	11.63
Automatic transmission	16.28	11.75

Specifications subject to change.