2005 Mustang Convertible Technical Specifications

	GT	V-6
BODY		
Construction	Unitized welded steel body, aluminum hood	Unitized welded steel body, aluminum hood
POWERTRAIN AND CHASSIS		
ENGINE		
Type	4.6L 90-degree V-8; Aluminum block and heads	4.0L 60-degree V-6; Iron block, aluminum heads
Manufacturing location	Romeo, Mich.	Cologne, Germany
Configuration	V-8	V-6
Intake manifold	Composite shell-welded Single-runner, charge motion control valves	Composite, shell-welded with internal runner pack
Exhaust manifold	Cast iron	Cast iron
Crankshaft	Cast iron	Cast iron
Throttle body	55-mm dual-bore electronic	65-mm single-bore electronic
Valvetrain	SOHC, 3 valves per cylinder, variable camshaft timing	SOHC, 2 valves per cylinder
Valve diameter	Intake: 33.8 mm Exhaust: 37.5 mm	Intake: 46.0 mm Exhaust: 39.0 mm
Pistons	Hypereutectic aluminum	Hypereutectic aluminum
Connecting rods	Cracked powdered metal with floating wristpins	Forged steel
Ignition	Coil-on-plug, high-thread-insert spark plugs	Distributorless with coil pack
Bore x stroke	3.55 x 3.54 in. / 90.2 x 90.0 mm	3.95 x 3.32 in. / 100.4 x 84.4 mm
Displacement	281 cu. in. / 4,606 cc	245 cu. in. / 4,009 cc
Compression ratio	9.8:1	9.7:1
Engine control system	Spanish Oak (Motorola MPC-565)	Spanish Oak (Motorola MPC-565)
Horsepower	300 @ 5,750 rpm	210 @ 5,250 rpm
Horsepower per liter	65.2	52.5
Torque	320 lb.-ft. @ 4,500 rpm	240 lb.-ft. @ 3,500 rpm
Redline	6,250 rpm	6,100 rpm
Top speed	143 mph	112 mph
0-60 mph acceleration	5.1 seconds (coupe as tested by *Motor Trend* Magazine)	
Recommended fuel	87 octane	87 octane
Fuel capacity	16.0 gal.	16.0 gal.
Projected fuel economy Automatic		
Manual	18/23	19/25
	17/25	19/23
Fuel injection	Electronic returnless, Sequential	Electronic returnless, Sequential
Emission control	Closed loop with catalyst	Closed loop with catalyst
Emissions (tailpipe/evaporation)		
Automatic	Tier 2, Bin 5 / LEV II	Tier 2, Bin 5 / LEV II
Manual	Tier 2, Bin 5 / LEV II	Tier 2, Bin 5 / LEV II
Green States emissions (tailpipe/evaporation)		
Automatic	LEV II	LEV II
Manual	LEV II	LEV II
Oil capacity	6.0 quarts	5.0 quarts
Recommended oil	5W20	5W30
Coolant capacity	12.7 quarts	12.5 quarts
DRIVETRAIN		
Layout	Rear-wheel drive	Rear-wheel drive
TRANSMISSION		
Standard	Five-speed manual (Tremec 3650)	Five-speed manual (Tremec T-5)
Gear ratios		
1st	3.34:1	3.75:1
2nd	2.00:1	2.19:1
3rd	1.32.1	1.41:1
4th	1.00:1	1.00:1
5th	0.68:1	0.72:1

Final drive	3.55:1	3.31:1
Optional	Five-speed automatic (5R55S)	Five-speed automatic (5R55S)
Gear ratios		
1st	3.25:1	3.25:1
2nd	2.44:1	2.44:1
3rd	1.55.1	1.55.1
4th	1.00:1	1.00:1
5th	0.75:1	0.75:1
Final drive	3.31:1	3.31:1
SUSPENSION		
Front	Reverse-L independent MacPherson strut, 34-mm tubular stabilizer bar	Reverse-L independent MacPherson strut, 28.6-mm tubular stabilizer bar
Rear	Three-link solid axle with coil springs, Panhard rod, 18-mm solid stabilizer bar	Three-link solid axle with coil springs, Panhard rod
STEERING		
Type	Rack and pinion with power assist	Rack and pinion with power assist
Ratio	15.7:1	15.7:1
Turns lock-to-lock	2.83	3.13
Turning circle curb-to-curb	38.0 ft.	36.0 ft.
BRAKES		
Type	Four-wheel disc	Four-wheel disc
Front	Vented disc, twin-piston 43-mm floating aluminum calipers	Vented disc, twin-piston 43-mm floating aluminum calipers
Swept area	316 mm (12.4 in.) x 30 mm	293 mm (11.4 in.) x 30 mm
Rear	Vented disc, single-piston 43-mm floating iron calipers	Vented disc, single-piston 43-mm floating iron calipers
Swept area	300 mm (11.8 in.) x 19 mm	300 mm (11.8 in.) x 19 mm
TIRES AND WHEELS (TYPE, SIZE)		
Standard	P235/55ZR-17 98W 17 x 8 in. 5-spoke aluminum wheels	P215/65R-16 96T 16 x 7 in. 10-spoke bright painted metallic wheels
Recommended tire pressure (front/rear)	32/32 psi	35/35 psi
Optional	P235/55ZR-17 98W 17 x 8 in. 10-spoke machined cast aluminum wheels	P215/65R-16 96T 16 x 7 in. 10-spoke bright painted metallic wheels with three-spoke spinner
Recommended tire pressure (front/rear)	32/32 psi	35/35 psi

DIMENSIONS (inches unless otherwise noted)

EXTERIOR		
Wheelbase	107.1 in.	107.1 in.
Overall length	188.0 in.	187.6 in.
Overall width	73.9 in.	73.9 in.
Overall height	55.7 in.	55.7 in.
Track width, front/rear	61.9 in. / 62.5 in.	62.4 in. / 63.0 in.
Ground clearance	5.71 in.	5.73 in.
INTERIOR		
Seating capacity	4	4
Front headroom	38.8 in.	38.8 in.
Front legroom	42.7 in.	42.7 in.
Front shoulder room	55.4 in.	55.4 in.
Front hip room	53.6 in.	53.6 in.
Rear headroom	36.3 in.	36.3 in.
Rear legroom	30.3 in.	30.3 in.
Rear shoulder room	45.0 in.	45.0 in.
Rear hip room	45.2 in.	45.2 in.
Passenger volume	81.6 cu. ft.	81.6 cu. ft.
Cargo volume	9.7 cu. ft.	9.7 cu. ft.
BASE CURB WEIGHT (POUNDS)		
Manual transmission	3,614 lbs.	3,476 lbs.
Automatic transmission	3,658 lbs.	3,526 lbs.

Weight distribution (f/r)	53/47	53/47

SAFETY

Safety belts	Height-adjustable lap and shoulder belts with load-limiting retractors and pyrotechnic pretensioners for front seating positions Three-point safety belts for all seating positions BeltMinder™ safety-belt reminder chime for driver and front passenger
Air bags	Dual-stage driver and passenger front air bags Optional seat-deployed side air bags for driver and front passenger
Advanced restraints	Personal Safety System™, including dual-stage air bags with crash severity sensor, driver seat-position sensor and front passenger sensing system LATCH anchors for rear outboard seats
Brakes	Anti-lock braking system (ABS, optional on V-6) Traction control system (optional on V-6, requires ABS)
Fuel	Inertia-activated shutoff switch for fuel pump
Security	SecuriLock™ passive anti-theft system Remote keyless entry
Optional	Active anti-theft system with perimeter alarm, separate alarm sounder, anti-tow sensor and ultrasonic interior motion sensor

MAJOR STANDARD EQUIPMENT AND OPTIONS

Audio system	
Standard	AM/FM stereo with single CD/MP3 player with four speakers on Deluxe models Shaker 500 audio system with AM/FM stereo, six-disc in-dash CD/MP3 changer and six speakers on Premium models
Optional	Shaker 1000 audio system with AM/FM stereo, six-disc in-dash CD/MP3 changer and nine speakers
Cupholders	Two cupholders in center console
Power points	Two 12-volt power points; one on the center stack and one in front center console
Seats	Six-way power adjustable driver seat (manual on V-6 Deluxe) Manual adjustable passenger seat Optional leather bucket seats Optional leather sport bucket seats (standard on GT Premium)
Other	Intermittent speed-sensitive windshield wipers Air conditioning Center console Speed control Driver footrest Color-keyed floor mats Power windows and door locks Front-door map pockets Tilt steering wheel One-touch down/up front windows
Exterior colors	Torch Red, Redfire Red, Screaming Yellow, Satin Silver, Sonic Blue, Windveil Blue, Legend Lime, Mineral Grey, Performance White and Black
Optional	Exterior sport appearance package with rear spoiler and sport tape stripe on lower rocker panels
Interior colors	Medium Parchment, Light Graphite and Dark Charcoal
Optional	Leather seating surfaces Dark Charcoal with interior color accent package, including red leather seat surfaces, front door-trim inserts and floor mats Interior upgrade package with bright-polished six-gauge instrument cluster with My Color feature, leather-wrapped shift knob and satin aluminum register vents, steering-wheel spokes, I/P, door latches and door scuff plate. Also includes message center, leather-wrapped steering wheel and Dark Charcoal Aberdeen pattern front door panel inserts

WARRANTY INFORMATION

Warranty	3-year / 36,000-mile bumper-to-bumper limited warranty