

2005 Mustang Convertible

GT

Construction	Unitized welded steel body, aluminum hood
ENGINE	
Type	4.6L 90-degree V-8; Aluminum block and heads
Manufacturing location	Romeo, Mich.
Configuration	V-8
Intake manifold	Composite shell-welded Single-runner, charge motion control valves
Exhaust manifold	Cast iron
Crankshaft	Cast iron
Throttle body	55-mm dual-bore electronic SOHC, 3 valves per cylinder, variable camshaft timing
Valvetrain	Intake: 33.8 mm Exhaust: 37.5 mm
Valve diameter	Hypereutectic aluminum
Pistons	Cracked powdered metal with floating wristpins
Connecting rods	Coil-on-plug, high-thread-insert spark plugs
Ignition	3.55 x 3.54 in. / 90.2 x 90.0 mm
Bore x stroke	281 cu. in. / 4,606 cc
Displacement	9.8:1
Compression ratio	Spanish Oak (Motorola MPC-565)
Engine control system	300 @ 5,750 rpm
Horsepower	65.2
Horsepower per liter	320 lb.-ft. @ 4,500 rpm
Torque	6,250 rpm
Redline	143 mph
Top speed	5.1 seconds (coupe as tested by <i>Motor Trend Magazine</i>)
0-60 mph acceleration	87 octane
Recommended fuel	16.0 gal.
Fuel capacity	Projected fuel economy
Projected fuel economy	Automatic 18/23
Automatic	17/25
Manual	Electronic returnless, Sequential
Fuel injection	Closed loop with catalyst
Emission control	Emissions
Emissions	(tailpipe/evaporation)
(tailpipe/evaporation)	Automatic Tier 2, Bin 5 / LEV II
Automatic	Manual Tier 2, Bin 5 / LEV II
Manual	Green States emissions
Green States emissions	(tailpipe/evaporation)
(tailpipe/evaporation)	Automatic LEV II
Automatic	Manual LEV II
Manual	Oil capacity 6.0 quarts
Oil capacity	Recommended oil 5W20
Recommended oil	Coolant capacity 12.7 quarts
Coolant capacity	DRIVETRAIN
DRIVETRAIN	Layout Rear-wheel drive
Layout	TRANSMISSION
TRANSMISSION	Standard Five-speed manual (Tremec 3650)
Standard	Gear ratios
Gear ratios	1st 3.34:1
1st	2nd 2.00:1
2nd	3rd 1.32:1
3rd	4th 1.00:1
4th	5th 0.68:1
5th	Final drive 3.55:1
Final drive	Optional Five-speed automatic (5R55S)
Optional	Gear ratios
Gear ratios	1st 3.25:1
1st	2nd 2.44:1
2nd	3rd 1.55:1
3rd	4th 1.00:1
4th	5th 0.75:1
5th	Final drive 3.31:1
Final drive	SUSPENSION
SUSPENSION	Front Reverse-L independent MacPherson strut, 34-mm tubular stabilizer bar
Front	Rear Three-link solid axle with coil springs, Panhard rod, 18-mm solid stabilizer bar
Rear	

V-6

Construction	Unitized welded steel body, aluminum hood
ENGINE	
Type	4.0L 60-degree V-6; Iron block, aluminum heads
Manufacturing location	Cologne, Germany
Configuration	V-6
Intake manifold	Composite, shell-welded with internal runner pack
Exhaust manifold	Cast iron
Crankshaft	Cast iron
Throttle body	65-mm single-bore electronic SOHC, 2 valves per cylinder
Valvetrain	Intake: 46.0 mm Exhaust: 39.0 mm
Valve diameter	Hypereutectic aluminum
Pistons	Forged steel
Connecting rods	Distributorless with coil pack
Ignition	3.95 x 3.32 in. / 100.4 x 84.4 mm
Bore x stroke	245 cu. in. / 4,009 cc
Displacement	9.7:1
Compression ratio	Spanish Oak (Motorola MPC-565)
Engine control system	210 @ 5,250 rpm
Horsepower	52.5
Horsepower per liter	240 lb.-ft. @ 3,500 rpm
Torque	6,100 rpm
Redline	112 mph
Top speed	87 octane
0-60 mph acceleration	16.0 gal.
Recommended fuel	Projected fuel economy
Fuel capacity	Automatic 19/25
Projected fuel economy	Manual 19/23
Automatic	Electronic returnless, Sequential
Manual	Closed loop with catalyst
Fuel injection	Emissions
Emission control	(tailpipe/evaporation)
Emissions	Automatic Tier 2, Bin 5 / LEV II
(tailpipe/evaporation)	Manual Tier 2, Bin 5 / LEV II
Automatic	Green States emissions
Manual	(tailpipe/evaporation)
Green States emissions	Automatic LEV II
(tailpipe/evaporation)	Manual LEV II
Automatic	Oil capacity 5.0 quarts
Manual	Recommended oil 5W30
Oil capacity	Coolant capacity 12.5 quarts
Recommended oil	DRIVETRAIN
Coolant capacity	Layout Rear-wheel drive
DRIVETRAIN	TRANSMISSION
Layout	Standard Five-speed manual (Tremec T-5)
TRANSMISSION	Gear ratios
Standard	1st 3.75:1
Gear ratios	2nd 2.19:1
1st	3rd 1.41:1
2nd	4th 1.00:1
3rd	5th 0.72:1
4th	Final drive 3.31:1
5th	Optional Five-speed automatic (5R55S)
Final drive	Gear ratios
Optional	1st 3.25:1
Gear ratios	2nd 2.44:1
1st	3rd 1.55:1
2nd	4th 1.00:1
3rd	5th 0.75:1
4th	Final drive 3.31:1
5th	SUSPENSION
Final drive	Front Reverse-L independent MacPherson strut, 28.6-mm tubular stabilizer bar
SUSPENSION	Rear Three-link solid axle with coil springs, Panhard rod
Front	
Rear	

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
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 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	
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) Intermittent speed-sensitive windshield wipers	
Other	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 Medium Parchment, Light Graphite and Dark Charcoal Leather seating surfaces	

Interior colors Optional	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	3-year / 36,000-mile bumper-to-bumper limited warranty