# 2006 Mustang Technical Specifications

| | V-6 | V-8 |
|---|---|---|
| **BODY** | | |
| Construction | Unitized welded steel body, aluminum hood | |
| Final assembly location | Flat Rock, Mich. | |
| **POWERTRAIN AND CHASSIS** | | |
| **ENGINE** | | |
| 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<br>Exhaust: 39.0mm | Intake: 33.8 mm<br>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 | Silver Oak PCM | Silver Oak PCM |
| Horsepower | 210 @ 5,250 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 | 15.6:1 | 15.6:1 |
| Turning circle curb-to-curb | 33.4 | 36.5 ft. |
| **BRAKES** | | |
| Type | Four-wheel power disc brakes with optional 4-sensor, 3-channe anti-lock braking system (ABS) | Four-wheel power disc brakes with optional 4-sensor, 3-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 96T<br>16 x 7.0-inch wheels | P235/55ZR17 98W<br>17 x 8.0-inch wheels |
| Optional | 17-inch wheel with Pony Package | P235/50ZR18<br>18-inch polished aluminum wheels or 18-inch premium aluminum “Bullitt” |

| **DIMENSIONS** (inches unless otherwise noted) | | |
|---|---|---|
| **EXTERIOR** | | |
| Wheelbase | 107.1 | 107.1 |
| Overall length | 187.6 | 187.6 |
| Overall width | 73.9 | 73.9 |
| Overall height | 55.4 | 55.4 |
| Tread width, front/rear | 62.8 / 63.0 | 62.8 / 63.0 |
| **INTERIOR** | | |
| Seating capacity | 4 | 4 |
| Front headroom | 38.6 | 38.6 |
| Front legroom | 42.7 | 42.7 |
| Front shoulder room | 55.3 | 55.3 |
| Front hip room | 53.6 | 53.6 |
| Rear headroom | 34.7 | 34.7 |
| Rear legroom | 30.3 | 30.3 |
| Rear shoulder room | 53.4 | 53.4 |
| Rear hip room | 46.8 | 46.8 |

| **WEIGHTS AND CAPACITIES** | | |
|---|---|---|
| SAE passenger volume | 84.7 cu. ft. | 84.7 cu. ft. |
| Cargo volume | 13.1 cu. ft. | 13.1 cu. ft. |
| Maximum towing capacity (properly equipped) | 1,000 lbs. | 1,000 lbs. |

| **BASE CURB WEIGHT** (POUNDS) | | |
|---|---|---|
| Manual transmission | 3,373 | 3,488 |
| Automatic transmission | 3,418 | 3,525 |
| 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 |

| **EXTERIOR/INTERIOR COLORS** | |
|---|---|
| Exterior | Torch Red, Screaming Yellow, Performance White, Legend Lime, Windveil Blue, Satin Silver, Black<br>• New for 2006: Tungsten Grey, Vista Blue |
| Interior | Medium Parchment, Light Graphite, Dark Charcoal Black, Dark Charcoal Black with red interior accents |

| **WARRANTY INFORMATION** | |
|---|---|
| Warranty | 3-year, 36,000-mile bumper-to-bumper limited warranty |

These are preliminary specifications subject to change.