

2012 FORD MUSTANG BOSS 302 TECHNICAL SPECIFICATIONS

BODY	
Construction	Unitized welded steel body, aluminum hood
Final assembly location	Flat Rock, Mich.
POWERTRAIN AND CHASSIS	
ENGINE	
Type	High-performance 5.0-liter, four-valve Ti-VCT V8
Manufacturing location	Windsor (Ontario) Engine Plant
Configuration	Aluminum block and heads
Intake manifold	Composite shell-welded with runner pack
Exhaust manifold	Stainless steel tubular headers, quad exhaust tips
Redline	7,500 rpm
Valvetrain	DOHC, four valves per cylinder, variable intake, variable camshaft timing
Valve diameter/lift (mm)	Intake 37/12, exhaust 31/11
Ti-VCT operating range	50 degrees for both intake and exhaust
Pistons	Forged aluminum
Connecting rods	Forged steel
Ignition	High-energy coil-on-plug
Bore x stroke	3.63 x 3.65-in./92.2 x 92.7-mm
Displacement	302 cu. in./4,951 cc
Compression ratio	11.0:1
Engine control system	PCM
Horsepower	444
Horsepower per liter	88.8
Torque	380 lb.-ft.
Required fuel	87 octane (premium fuel recommended)
Fuel capacity	16 gallons
Fuel delivery	Sequential mechanical returnless
Oil capacity	8.5 quarts with filter (10,000-mile service interval)
DRIVETRAIN	
Layout	Front-engine/rear-wheel-drive
TRANSMISSION	
Standard	Six-speed manual
Gear ratios	
1st	3.66
2nd	2.43
3rd	1.69
4th	1.32
5th	1.00
6th	0.65
Final drive	3.73:1

2012 FORD MUSTANG BOSS 302 TECHNICAL SPECIFICATIONS

SUSPENSION	
Front	Independent MacPherson strut with reverse-L lower control arm, 34.6-mm tubular stabilizer bar, strut tower brace, manual adjustable strut damping
Rear	Three-link solid axle with limited-slip differential, performance coil springs, Panhard bar, 25-mm stabilizer bar and manual adjustable shock damping
STEERING	
Type	Rack-and-pinion with electric power-assisted steering (EPAS)
Ratio	15.9:1
Turning circle, curb-to-curb	39.4 ft. (est.)
BRAKES	
Type	Four-wheel power disc brakes with four-sensor, four-channel anti-lock braking system (ABS), low-expansion brake hoses
Front	355-mm (14-in.) x 32-mm vented discs, four-piston Brembo™ 40/44-mm fixed aluminum calipers
Rear	300-mm (11.8-in.) x 19-mm vented discs, single-piston 43-mm floating iron calipers, Performance Friction Compound pads
TIRES AND WHEELS	
Standard	255/40R-19 Pirelli PZero max performance, 285/35R-19 Pirelli PZero max performance; 19 x 9-in., 19 x 9.5-in. wide-spoke painted aluminum wheels, standard tire mobility kit

DIMENSIONS (inches unless otherwise noted)	
EXTERIOR	
Wheelbase	107.1
Overall length	188.1
Overall width	73.9
Overall height	55.1
Track, front/rear	61.9/62.5
INTERIOR	
Seating capacity	Four
Front headroom	38.5
Front legroom	42.4
Front shoulder room	55.3
Front hip room	53.4
Rear headroom	34.7
Rear legroom	29.8
Rear shoulder room	51.6
Rear hip room	46.8
WEIGHTS AND CAPACITIES	
SAE passenger volume	83.3 cu. ft.
Cargo volume	13.4 cu. ft.
Maximum towing capacity	n/a

2012 FORD MUSTANG BOSS 302 TECHNICAL SPECIFICATIONS

FUEL ECONOMY	
Six-speed manual	17 mpg city/26 mpg highway

BASE CURB WEIGHT	
Manual transmission	3,632 pounds
Weight distribution (front/rear)	55/45

Specifications subject to change