

2024 FORD MUSTANG

PRELIMINARY TECHNICAL SPECIFICATIONS



Preliminary specifications as of Sept. 14, 2022 and are subject to change. Preproduction model shown. Available starting summer 2023.

MODEL	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Construction/materials	Unitized welded steel body, aluminum hood and steel front fenders	Unitized welded steel body, aluminum hood and steel front fenders	Unitized welded steel body, aluminum hood and steel front fenders
Body style	Fastback coupe, convertible	Fastback coupe, convertible	Fastback coupe
Trim level	EcoBoost, EcoBoost Premium	GT, GT Premium	Dark Horse
Final assembly location	Flat Rock, Michigan	Flat Rock, Michigan	Flat Rock, Michigan

DRIVETRAIN

Standard	Front-engine, Rear Wheel Drive with limited-slip differential	Front-engine, Rear Wheel Drive with limited-slip differential	Front-engine, Rear Wheel Drive with limited-slip differential
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ENGINE CONFIGURATION

Engine	2.3-liter EcoBoost	5.0-liter V8	5.0-liter V8
Configuration	Direct injection turbocharged I-4	Dual fuel port direct injection V8	Dual fuel port direct injection V8
Valvetrain	DOHC, Ti-VCT	DOHC, Ti-VCT	DOHC, Ti-VCT
Block/head material	High-pressure cast aluminum block and head	Cast aluminum block and head with plasma transfer wire arc cylinder liners	Cast aluminum block and head with plasma transfer wire arc cylinder liners
Displacement	137.5 cu. in. (2,300 cc)	307 cu. in. (5,038 cc)	307 cu. in. (5,038 cc)
Bore x stroke	3.30 in. x 4.0 in. (84 mm x 102 mm)	3.63 in. x 3.65 in. (93 mm x 92.7 mm)	3.63 in. x 3.65 in. (93 mm x 92.7 mm)
Compression ratio	10.6:1	12:1	12:1
Induction	Twin scroll with overboost	Naturally aspirated	Naturally aspirated
Ignition system	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug
Fuel delivery	Sequential Multi-port Electronic Fuel Injection	Port Fuel & Direct Injection	Port Fuel & Direct Injection
Engine control system	Powertrain control module	Powertrain control module	Powertrain control module

TRANSMISSION

Standard 6-speed manual	Getrag	Getrag	Tremec TR-3160
Gear ratios:			
1st	3.237:1	3.237:1	3.25:1
2nd	2.104:1	2.104:1	2.23:1
3rd	1.422:1	1.422:1	1.61:1
4th	1.000:1	1.000:1	1.24:1
5th	0.814:1	0.814:1	1.00:1
6th	0.622:1	0.622:1	0.63:1
Rev-matching optional 10-speed SelectShift automatic	N/A	Yes	Yes
1st	4.696:1	4.696:1	4.70:1
2nd	2.985:1	2.985:1	2.99:1
3rd	2.146:1	2.146:1	2.15:1
4th	1.769:1	1.769:1	1.77:1
5th	1.520:1	1.520:1	1.52:1
6th	1.275:1	1.275:1	1.28:1
7th	1.000:1	1.000:1	1.00:1
8th	0.854:1	0.854:1	0.85:1
9th	0.689:1	0.689:1	0.69:1
10th	0.636:1	0.636:1	0.64:1
Final drive	3.15:1 Limited-slip rear axle, 3.55:1 TORSEN (Performance Package)	3.31:1, 3.55:1 Limited-slip rear axle, 3.55:1 TORSEN (Performance Package with automatic), 3.73 TORSEN (Performance Package with manual)	3.55:1 TORSEN (with automatic), 3.73:1 TORSEN (with manual)

CHASSIS/SUSPENSION

	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Fully unitized steel chassis, front-engine, rear-wheel-drive configuration with fully independent front/rear suspension and perimeter subframe, tower-to-tower brace for performance packs. K-brace included on all convertible models, EcoBoost and GT Performance Packages and any model with 20-in. or larger wheels.			
Front configuration	Double-ball-joint MacPherson strut with stabilizer bar	Double-ball-joint MacPherson strut with stabilizer bar	Double-ball-joint MacPherson strut with stabilizer bar
Rear configuration	Integral-link independent with coil springs and stabilizer bar	Integral-link independent with coil springs and stabilizer bar	Integral-link independent with coil springs and stabilizer bar

STABILIZER BAR DIAMETERS

Coupe	32 mm front x 21.7 mm rear	32 mm front x 21.7 mm rear	33.3 mm front x 24 mm rear
Convertible	32 mm front x 20 mm rear	32 mm front x 20 mm rear	—
EcoBoost Performance Package	32 mm front x 21.7 mm rear	—	—
Convertible Performance Package	32 mm front x 20 mm rear	—	—
GT Performance Package	—	33.3 mm front x 24 mm rear	—
Handling Package	—	—	33.3 mm front x 24 mm rear



STEERING	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Type	Selectable-Effort Electric Power Assisted (EPAS)	Selectable-Effort Electric Power Assisted (EPAS)	Selectable-Effort Electric Power Assisted (EPAS)
Steering modes	Normal, comfort, sport	Normal, comfort, sport	Normal, comfort, sport
Ratio	15.5:1	15.5:1	15.5:1
Active features	Optional MagneRide damping system	Optional MagneRide damping system	MagneRide damping system

BRAKES

Type	Four-wheel power disc brakes with EPB and four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control	Four-wheel power disc brakes with EPB and four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control	Four-wheel power disc brakes with EPB and four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control
Front rotor configuration/diameter/thickness/material	Standard: 320 x 30 mm vented disc, twin-piston 43 mm floating aluminum calipers; Optional: 390 x 36 mm vented discs, Brembo six-piston 36 mm fixed aluminum calipers	Standard: 352 mm x 32 mm vented discs, four-piston 46 mm fixed aluminum calipers; Optional: 390 x 36 mm vented discs, Brembo six-piston 36 mm fixed aluminum calipers	390 x 36 mm vented two-piece discs, Brembo six-piston 36 mm fixed aluminum calipers
Front Pad Material	Standard: NAO Optional: Low-metallic	Standard: NAO Optional: Low-metallic	Low-metallic
Front swept area	Standard: 467 sq. cm/plate Optional: 768 sq. cm/plate	Standard: 576 sq. cm/plate Optional: 768 sq. cm/plate	768 sq.cm/plate

SAFETY/CONTROL SYSTEMS

ABS/stability control	AdvanceTrac with ESC, EPAS (standard), unique EPAS, ABS and stability control tuning (optional)	AdvanceTrac with ESC, EPAS (standard), unique EPAS, ABS and stability control tuning (optional)	AdvanceTrac with ESC, EPAS (standard), unique EPAS, ABS and stability control tuning (optional)
Airbags	Driver knee, driver/passenger side-impact, dual front, glove-box-door-integrated knee, side curtain (fastback only)	Driver knee, driver/passenger side-impact, dual front, glove-box-door-integrated knee, side curtain (fastback only)	Driver knee, driver/passenger side-impact, dual front, glove-box-door-integrated knee, side curtain (fastback only)

WHEELS

<ul style="list-style-type: none"> Standard wheel Tire dimensions 	<ul style="list-style-type: none"> 17 in. x 7.5 in. 235/55R 	<ul style="list-style-type: none"> 18 in. x 8.5 in. 255/45R W A/S 	<ul style="list-style-type: none"> (front) 19 in. x 9.5 in. 255/40R and (rear) 19 in. x 10 in. 275/40R (summer-only tires)
Optional	18 in. x 8.0 in. 235/50R W A/S; 19 in. x 8.5 in. 255/40R W A/S; 20 in. x 9.0 in. 265/35R W A/S; Performance Package: 19 in. x 9.0 in. 255/40R Y (summer-only tires)	19 in. x 8.5 in. 255/40R W A/S; 20 in. x 9.0 in. 265/35R W A/S; Performance Package (front) 19 in. x 9.0 in. 255/40R, (rear) 19 in. x 9.5 in. 275/40R Y (summer-only tires)	Handling Package: (front) 19 in. x 10.5 in. 305/30R and (rear) 19 in. x 11 in. 315/30R (summer-only tires); Performance Package: (front) 19 in. x 9 in. 255/40R and (rear) 19 in. x 9.5 in. 275/40R (summer-only tires)

EXTERIOR DIMENSIONS

(inches unless otherwise noted)	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Wheelbase	107	107	107
Overall length	189.4	189.4	189.7
Overall width including mirrors	81.9	81.9	81.9
Overall width without mirrors	75.4	75.4	75.5
Overall height, fastback	55	55	55.2
Overall height, convertible	54.8	54.8	—
Track width, front	62	62	62.2
Track width, rear	64.7	64.7	63.9
Est. curb weight, fastback manual	3,492 lbs.	3,730 lbs.	3,868 lbs.
Est. curb weight, fastback automatic	3,512 lbs.	3,752 lbs.	3,913 lbs.
Est. curb weight, convertible manual	3,636 lbs.	3,916 lbs.	N/A
Est. curb weight, convertible automatic	3,656 lbs.	3,932 lbs.	N/A

INTERIOR DIMENSIONS

(inches unless otherwise noted)	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Seating capacity	Four	Four	Four
Front headroom	37.6	37.6	37.6
Front headroom, convertible	37.6	37.6	—
Front legroom, SAE	44.5	44.5	44.5
Front shoulder room	56.3	56.3	56.3
Front hip room	54.9	54.9	54.9
Rear headroom, fastback	34.8	34.8	34.8
Rear headroom, convertible	35.7	35.7	—
Rear legroom, SAE fastback	29	29	29
Rear legroom, SAE convertible	29.2	29.2	—
Rear shoulder room, fastback	52.2	52.2	52.2
Rear shoulder room, convertible	44.6	44.6	—
Rear hip room, fastback	47.4	47.4	47.4
Rear hip room, convertible	43.7	43.7	—
Passenger volume, fastback	82.8 cu. ft.	82.8 cu. ft.	82.8 cu. ft.
Passenger volume, convertible	79.2 cu. ft.	79.2 cu. ft.	—
Trunk volume, fastback	13.3 cu. ft.	13.3 cu. ft.	13.3 cu. ft.
Trunk volume, convertible	10.3 cu. ft.	10.3 cu. ft.	—



HEADLIGHTS

LED	Standard	Standard	Standard
Auto on/off	Standard	Standard	Standard
LED daytime running lamps	Standard	Standard	Standard
Auto high beam	Standard	Standard	Standard

TECHNOLOGY

	Mustang EcoBoost	Mustang GT	Mustang Dark Horse
Available drive modes	Five driver selectable drive modes: normal, sport, slippery, track, drag strip	Five driver selectable drive modes: normal, sport, slippery, track, drag strip	Five driver selectable drive modes: normal, sport, slippery, track, drag strip
Available drag and track modes	Electronic line lock (track use only), Track Apps: acceleration timer, accelerometer, brake performance, lap timer, launch control	Electronic line lock (track use only), Track Apps: acceleration timer, accelerometer, brake performance, lap timer, launch control	Electronic line lock (track use only), Track Apps: acceleration timer, accelerometer, brake performance, lap timer, launch control
Available in-cabin	SYNC® 4 Technology, Available B&O® Sound System by Bang & Olufsen®, 12 Speakers including Subwoofer in-trunk and CD Player	SYNC® 4 Technology, Available B&O® Sound System by Bang & Olufsen®, 12 Speakers including Subwoofer in-trunk and CD Player	SYNC® 4 Technology, Available B&O® Sound System by Bang & Olufsen®, 12 Speakers including Subwoofer in-trunk and CD Player
Standard	Ford Co-Pilot360™ Technology includes: - Auto High Beams - BLIS® (Blind Spot Information System) with Cross-Traffic Alert with Braking - Lane-Keeping System (includes Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert) - Pre-Collision Assist with Automatic Emergency Braking (AEB) (Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support) - Rear View Camera - Headlamps with AutoLamp (Automatic On/Off) - Rain-Sensing Wipers	Ford Co-Pilot360™ Technology includes: - Auto High Beams - BLIS® (Blind Spot Information System) with Cross-Traffic Alert with Braking - Lane-Keeping System (includes Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert) - Pre-Collision Assist with Automatic Emergency Braking (AEB) (Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support) - Rear View Camera - Headlamps with AutoLamp (Automatic On/Off) - Rain-Sensing Wipers	Ford Co-Pilot360™ Technology includes: - Auto High Beams - BLIS® (Blind Spot Information System) with Cross-Traffic Alert with Braking - Lane-Keeping System (includes Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert) - Pre-Collision Assist with Automatic Emergency Braking (AEB) (Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support) - Rear View Camera - Headlamps with AutoLamp (Automatic On/Off) - Rain-Sensing Wipers
Available general	Available Intelligent Adaptive Cruise Control with Stop-and-Go and Speed Sign Recognition, Voice-Activated Touchscreen Navigation System with Pinch-to-Zoom Capability, SiriusXM Traffic and Travel Link®	Available Intelligent Adaptive Cruise Control with Stop-and-Go and Speed Sign Recognition, Voice-Activated Touchscreen Navigation System with Pinch-to-Zoom Capability, SiriusXM Traffic and Travel Link®	Available Intelligent Adaptive Cruise Control with Stop-and-Go and Speed Sign Recognition, Voice-Activated Touchscreen Navigation System with Pinch-to-Zoom Capability, SiriusXM Traffic and Travel Link®

