

2020 FORD FUSION

TECHNICAL SPECIFICATIONS



MODEL	1.5-liter EcoBoost® I-4	2.0-liter EcoBoost I-4	2.5-liter i-VCT	Fusion Hybrid	Fusion Plug-In Hybrid
Body construction/materials	Steel body, aluminum hood	Steel body, aluminum hood	Steel body, aluminum hood	Steel body, aluminum hood	Steel body, aluminum hood
Body style	Four-door sedan	Four-door sedan	Four-door sedan	Four-door sedan	Four-door sedan
Trim levels	S, SE, SEL, Titanium	S, SE, SEL, Titanium	S, SE, SEL, Titanium	S, SE, SEL, Titanium	Titanium only
Final assembly location	Hermosillo Stamping and Assembly Plant, Mexico				

DRIVETRAIN

Layout standard	FWD	FWD	FWD	FWD	FWD
Layout optional	N/A	AWD	N/A	N/A	N/A

ENGINE

Configuration	1.5-liter Ti-VCT I-4	2.0-liter Ti-VCT I-4	2.5-liter i-VCT I-4	2.0-liter i-VCT Atkinson-cycle I-4	2.0-liter i-VCT Atkinson-cycle I-4
Block/head material	Die cast aluminum alloy block and cylinder head				
Displacement	92 cu. in.	122 cu. in.	152 cu. in.	122 cu. in.	122 cu. in.
Compression ratio	10.0:1	9.3:1	9.7:1	12.3:1	12.3:1
Bore x stroke	3.11 x 3.01 in.	3.44 x 3.27 in.	3.50 x 3.94 in.	3.44 x 3.27 in.	3.44 x 3.27 in.
Ignition system	Coil-on-plug spark ignition				
Fuel delivery	Direct injection	Direct injection	Sequential multiport	Sequential multiport	Sequential multiport
Engine control system	PCM	PCM	PCM	PCM	PCM
Induction	Single turbocharged	Single twin-scroll turbocharged	Naturally aspirated	Naturally aspirated	Naturally aspirated
Auto Start-Stop	Yes	Yes (FWD only)	Yes	Yes	Yes
Oil capacity/grade	4.3 quarts Motorcraft SAE 5W-20 premium synthetic blend; intelligent oil-life monitor	5.7 quarts Motorcraft SAE 5W-30 premium synthetic blend; intelligent oil-life monitor	5.7 quarts Motorcraft SAE 5W-20 premium synthetic blend; intelligent oil-life monitor	4.5 quarts SAE 0W-20 premium synthetic blend; intelligent oil-life monitor	4.5 quarts SAE 0W-20 premium synthetic blend; intelligent oil-life monitor
CARB emissions rating	N/A	N/A	N/A	N/A	N/A
SAE horsepower	181 @ 6,000 rpm	245 @ 5,500 rpm (1)	175 @ 6,000 rpm	188 combined gas/electric; 141 @ 6,000 rpm	188 combined gas/electric; 141 @ 6,000 rpm
SAE torque	185 ft.-lbs. @ 4,320 rpm	275 ft.-lbs. @ 3,000 rpm (1)	175 ft.-lbs. @ 6,000 rpm	129 ft.-lbs. gas engine	129 ft.-lbs. gas engine
Trailer towing (lbs.)	1,000	1,000	1,000	N/A	N/A
Build location	Bridgend, Wales	Valencia, Spain	Chihuahua, Mexico	Chihuahua, Mexico	Chihuahua, Mexico
Fuel tank capacity (gallons)	16.5	16.5 FWD, 18.0 AWD	16.5	14.0	14.0

ELECTRIC MOTOR

Configuration	88 kW permanent magnet AC synchronous motor	88 kW permanent magnet AC synchronous motor
Output (hp/kw)	35 kW battery peak	35 kW battery peak
Maximum torque (lb.-ft./Nm)	129 @ 4,000 rpm	129 @ 4,000 rpm
Battery pack system cooling	Air	Air
Projected electric mode top speed	85 mph	85 mph
Charge capacity	1.4 kWh lithium-ion	9 kWh lithium-ion



ELECTRIC MOTOR	1.5-liter EcoBoost I-4	2.0-liter EcoBoost I-4	2.5-liter i-VCT	Fusion Hybrid	Fusion Plug-In Hybrid
Cell chemistry				Lithium-ion	Lithium-ion
Installed location				Trunk	Trunk
Charge time from empty				N/A	7 hours/2.5 hours
Maximum SAE charge level				N/A	Level 1
EV-only range				N/A	26 miles

TRANSMISSION

Configuration	6-speed automatic (2.5-liter i-VCT), 6-speed SelectShift® automatic with rotary selector dial and sport mode			Electronically controlled continuously variable transmission with rotary selector dial	
Gears	6-speed automatic SelectShift	6-speed automatic SelectShift	6-speed automatic	Infinite	Infinite
1st	4.58:1	4.58:1	4.58:1		
2nd	2.96:1	2.96:1	2.96:1		
3rd	1.91:1	1.91:1	1.91:1		
4th	1.44:1	1.44:1	1.44:1		
5th	1.00:1	1.00:1	1.00:1		
6th	0.74:1	0.74:1	0.74:1		
Reverse	2.881:1	2.881:1	2.881:1		
Final drive ratio	3.07:1	3.21:1, FWD; 3.36:1 AWD	3.07:1		
Automatic return to park	Yes	Yes	Yes	Yes	Yes

SUSPENSION

Front configuration	Independent MacPherson strut with stabilizer bar	Independent MacPherson strut with stabilizer bar	Independent MacPherson strut with stabilizer bar	Independent MacPherson strut with stabilizer bar	Independent MacPherson strut with stabilizer bar
Front springs	Coil	Coil	Coil	Coil	Coil
Front stabilizer bar diameter	23.8 mm	25 mm	23.8 mm	25 mm	25 mm
Front shock absorber type	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic
Rear configuration	Independent integral link with stabilizer bar	Independent integral link with stabilizer bar	Independent integral link with stabilizer bar	Independent integral link with stabilizer bar	Independent integral link with stabilizer bar
Rear springs	Coil	Coil	Coil	Coil	Coil
Rear stabilizer bar diameter	22.1 mm	22.1 mm	22.1 mm	22.5 mm	22.5 mm
Rear shock absorber type	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic	Twin-tube, gas-pressurized hydraulic

STEERING

Type	Rack and pinion with electric power-assist, pull-drift compensation, active nibble control	Rack and pinion with electric power-assist, pull-drift compensation, active nibble control	Rack and pinion with electric power-assist, pull-drift compensation, active nibble control	Rack and pinion with electric power-assist, pull-drift compensation, active nibble control	Rack and pinion with electric power-assist, pull-drift compensation, active nibble control
Overall ratio	14.8:1	14.8:1	14.8:1	14.8:1	14.8:1
Turning circle, curb-to-curb	37.6 feet	37.6 feet	37.6 feet	37.6 feet	37.6 feet



BRAKES	1.5-liter EcoBoost I-4	2.0-liter EcoBoost I-4	2.5-liter i-VCT I-4	Fusion Hybrid	Fusion Plug-In Hybrid
Brakes	Four-wheel disc with anti-lock brake system, brake assist and electronic brake force distribution	Four-wheel disc with anti-lock brake system, brake assist and electronic brake force distribution	Four-wheel disc with anti-lock brake system, brake assist and electronic brake force distribution	Regenerative braking system and four-wheel disc with anti-lock brake system, brake assist and electronic brake force distribution	Regenerative braking system and four-wheel disc with anti-lock brake system, brake assist and electronic brake force distribution
Front rotor diameter	11.8 in.	11.8 in.	11.8 in.	11.8 in.	11.8 in.
Rear rotor diameter	11.9 in.	11.9 in.	11.9 in.	11.9 in.	11.9 in.
Parking brake	Console-mounted electric	Console-mounted electric	Console-mounted electric	Console-mounted electric	Console-mounted electric

SAFETY/CONTROL SYSTEMS

ABS/stability control	Anti-lock power-assist brakes, AdvanceTrac [®] electronic stability control and brake-actuated traction control	Anti-lock power-assist brakes, AdvanceTrac electronic stability control and brake-actuated traction control	Anti-lock power-assist brakes, AdvanceTrac electronic stability control and brake-actuated traction control	Anti-lock power-assist brakes, AdvanceTrac electronic stability control and brake-actuated traction control	Anti-lock power-assist brakes, AdvanceTrac electronic stability control and brake-actuated traction control
Airbags	Dual-stage front, driver and front passenger knee, front-seat side and side curtain	Dual-stage front, driver and front passenger knee, front-seat side and side curtain	Dual-stage front, driver and front passenger knee, front-seat side and side curtain	Dual-stage front, driver and front passenger knee, front-seat side and side curtain	Dual-stage front, driver and front passenger knee, front-seat side and side curtain
Driver-assist technology (standard)	Ford Co-Pilot360, [™] which includes Auto High-Beam Headlamps, Blind Spot Information System with Cross-Traffic Alert, Lane-Keeping System with Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert; Pre-Collision Assist with Automatic Emergency Braking and Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support and rearview camera. Additional driver-assist features include automatic on/off headlamps, rain-sensing wipers, auto-dimming rearview mirror, hill start assist, SOS post-crash alert, auto-dimming, driver-side mirror, reverse sensing system	Ford Co-Pilot360, which includes Auto High-Beam Headlamps, Blind Spot Information System with Cross-Traffic Alert, Lane-Keeping System with Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert; Pre-Collision Assist with Automatic Emergency Braking and Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support and rearview camera. Additional driver-assist features include automatic on/off headlamps, rain-sensing wipers, auto-dimming rearview mirror, hill start assist, SOS post-crash alert, auto-dimming, driver-side mirror, reverse sensing system	Ford Co-Pilot360, which includes Auto High-Beam Headlamps, Blind Spot Information System with Cross-Traffic Alert, Lane-Keeping System with Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert; Pre-Collision Assist with Automatic Emergency Braking and Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support and rearview camera. Additional driver-assist features include automatic on/off headlamps, rain-sensing wipers, auto-dimming rearview mirror, hill start assist, SOS post-crash alert	Ford Co-Pilot360, which includes Auto High-Beam Headlamps, Blind Spot Information System with Cross-Traffic Alert, Lane-Keeping System with Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert; Pre-Collision Assist with Automatic Emergency Braking and Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support and rearview camera. Additional driver-assist features include automatic on/off headlamps, rain-sensing wipers, auto-dimming rearview mirror, hill start assist, SOS post-crash alert, auto-dimming, driver-side mirror, reverse sensing system	Ford Co-Pilot360, which includes Auto High-Beam Headlamps, Blind Spot Information System with Cross-Traffic Alert, Lane-Keeping System with Lane-Keeping Assist, Lane-Keeping Alert and Driver Alert; Pre-Collision Assist with Automatic Emergency Braking and Pedestrian Detection, Forward Collision Warning, Dynamic Brake Support and rearview camera. Additional driver-assist features include automatic on/off headlamps, rain-sensing wipers, auto-dimming rearview mirror, hill start assist, SOS post-crash alert, auto-dimming, driver-side mirror, reverse sensing system
Safety ratings	IIHS Top Safety Pick (2018 MY when equipped with optional front crash protection); NHTSA 5-star crash rating (out of 5 stars, 2019 MY)	IIHS Top Safety Pick (2018 MY when equipped with optional front crash protection); NHTSA 5-star crash rating (out of 5 stars, 2019 MY)	IIHS Top Safety Pick (2018 MY when equipped with optional front crash protection); NHTSA 5-star crash rating (out of 5 stars, 2019 MY)	IIHS Top Safety Pick (2018 MY when equipped with optional front crash protection); NHTSA 5-star crash rating (out of 5 stars, 2019 MY)	IIHS Top Safety Pick (2018 MY when equipped with optional front crash protection); NHTSA 5-star crash rating (out of 5 stars, 2019 MY)



WHEELS	1.5-liter EcoBoost I-4	2.0-liter EcoBoost I-4	2.5-liter i-VCT I-4	Fusion Hybrid	Fusion Plug-In Hybrid
Standard	17-in. sparkle silver-painted aluminum standard on SE	17-in. sparkle silver-painted aluminum standard on SE	16-in. steel with silver-painted cover, on S	17-in. sparkle silver-painted aluminum	17-in. sparkle silver-painted aluminum
Optional	18-in. premium painted aluminum standard on SEL, 18-in. Ebony Black-painted aluminum included in the SE Appearance Package.	18-in. machined-face aluminum with magnetic-painted pockets Included in the SE, 19-in. machined-face aluminum with magnetic-painted pockets standard on Titanium	17-in. sparkle silver-painted aluminum standard on SE.	18-in. premium painted aluminum standard on Titanium hybrid	
Spare	Mini spare tire/mini wheel	Mini spare tire/mini wheel	Mini spare tire/mini wheel	Mini spare tire/mini wheel	Mini spare tire/mini wheel

HEADLIGHTS

Halogen	Projector beam halogen	Projector beam halogen	Projector beam halogen	Projector beam halogen	Projector beam halogen
LED	Aero-composite LED low/high beam	Aero-composite LED low/high beam	Aero-composite LED low/high beam	Aero-composite LED low/high beam	Aero-composite LED low/high beam
Auto on/off	Fully automatic headlamps	Fully automatic headlamps	Fully automatic headlamps	Fully automatic headlamps	Fully automatic headlamps
LED daytime running lamps	Yes	Yes	Yes	Yes	Yes

EXTERIOR DIMENSIONS

(inches unless otherwise noted)

Wheelbase	112.2	112.2	112.2	112.2	112.2
Overall length	191.8	191.8	191.8	191.8	191.8
Overall width	83.5	83.5	83.5	83.5	83.5
Width without mirrors	75.2	75.2	75.2	75.2	75.2
Overall height	58.1	58.1	58.1	58.1	58.1
Track width, front	62.7	62.7	62.7	62.3	52.3
Track width, rear	62.4	62.4	62.4	62	62
Curb weight (lbs.)	N/A	N/A	3,472	3,994	3,986

INTERIOR DIMENSIONS

(inches unless otherwise noted)

Seating capacity	Five	Five	Five	Five	Five
Front headroom	39.2	39.2	39.2	39.2	39.2
Front headroom with sunroof	N/A	N/A	N/A	N/A	N/A
Front legroom	44.3 maximum	44.3 maximum	44.3 maximum	44.3 maximum	44.3 maximum
Front shoulder room	57.8	57.8	57.8	57.8	57.8
Front hip room	55.0	55.0	55.0	55.0	55.0
Rear headroom	37.8	37.8	37.8	37.8	37.8
Rear headroom with sunroof	N/A	N/A	N/A	N/A	N/A
Rear legroom	38.3	38.3	38.3	38.3	38.3
Rear shoulder room	56.9	56.9	56.9	56.9	56.9
Rear hip room	54.4	54.4	54.4	54.4	54.4
Passenger volume (cu.-ft.)	102.8	102.8	102.8	102.8	102.8
Trunk volume (cu.-ft.)	16.0	16.0	16.0	12.0	8.2



TECHNOLOGY	1.5-liter EcoBoost I-4	2.0-liter EcoBoost I-4	2.5-liter i-VCT I-4	Fusion Hybrid	Fusion Plug-In Hybrid
Standard in-cabin	SYNC® enhanced voice recognition communication and entertainment system with 4.2-inch LCD screen, AppLink®, 911 Assist®, one smart-charging USB port. AM/FM/MP3 stereo with four speakers, active noise control	SYNC enhanced voice recognition communication and entertainment system with 4.2-inch LCD screen, AppLink, 911 Assist, one smart-charging USB port. AM/FM/MP3 stereo with four speakers, active noise control	SYNC enhanced voice recognition communication and entertainment system with 4.2-inch LCD screen, AppLink, 911 Assist, one smart-charging USB port. AM/FM/MP3 stereo with four speakers, active noise control	SYNC 3 enhanced voice-activated communication and entertainment system with 8-inch full-color capacitive touch screen and Apple CarPlay and Android Auto compatibility, AppLink, 911 Assist and two smart-charging USB ports; 10-speaker Sony AM/FM/MP3 stereo system with HD Radio and CD player and Sirius access; MyKey, FordPass Connect 10-device Wi-Fi hotspot* voice-activated touch screen navigation system with pinch-to-zoom capability and available SiriusXM Traffic and Travel Link**	SYNC 3 enhanced voice-activated communication and entertainment system with 8-inch full-color capacitive touch screen and Apple CarPlay and Android Auto compatibility, AppLink, 911 Assist and two smart-charging USB ports; 10-speaker Sony AM/FM/MP3 stereo system with HD Radio and CD player and Sirius access; MyKey, FordPass Connect 10-device Wi-Fi hotspot* voice-activated touch screen navigation system with pinch-to-zoom capability and available SiriusXM Traffic and Travel Link**
Available in-cabin	SYNC 3 enhanced voice-activated communication and entertainment system with 8-inch full-color capacitive touch screen and Apple CarPlay™ and Android Auto™ compatibility, AppLink, 911 Assist and two smart-charging USB ports; MyKey, FordPass Connect™ 10-device Wi-Fi hotspot*; voice-activated touch screen navigation system with pinch-to-zoom capability and available SiriusXM Traffic and Travel Link**	SYNC 3 enhanced voice-activated communication and entertainment system with 8-inch full-color capacitive touch screen and Apple CarPlay and Android Auto compatibility, AppLink, 911 Assist and two smart-charging USB ports; 12-speaker Sony AM/FM/MP3 stereo system with HD Radio and CD player and Sirius access; MyKey, FordPass Connect 10-device Wi-Fi hotspot*; voice-activated touch screen navigation system with pinch-to-zoom capability and available SiriusXM Traffic and Travel Link**	SYNC 3 enhanced voice-activated communication and entertainment system with 8-inch full-color capacitive touch screen and Apple CarPlay and Android Auto compatibility, AppLink, 911 Assist and two smart-charging USB ports; MyKey, FordPass Connect 10-device Wi-Fi hotspot*; voice-activated touch screen navigation system with pinch-to-zoom capability and available SiriusXM Traffic and Travel Link**		

WARRANTY

Bumper-to-bumper	3 years/36,000 miles	3 years/36,000 miles	3 years/36,000 miles	3 years/36,000 miles	3 years/36,000 miles
Powertrain	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles
Corrosion	5 years/unlimited miles	5 years/unlimited miles	5 years/unlimited miles	5 years/unlimited miles	5 years/unlimited miles
Safety restraint system	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles
Roadside assistance	24 hour/day	24 hour/day	24 hour/day	24 hour/day	24 hour/day

FUEL ECONOMY

EPA-estimated fuel economy	23 mpg city, 34 mpg highway, 27 mpg combined	FWD, 21 mpg city, 31 mpg highway, 25 mpg combined; AWD, 20 mpg city, 28 mpg highway, 23 mpg combined	21 mpg city, 31 mpg highway, 25 mpg combined	42 mpg city, 41 mpg highway, 42 mpg combined	42 mpg city and highway combined; 103 MPGe city and highway combined
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*Requires a wireless subscription plan. **SiriusXM Traffic and Travel Link requires five-year pre-paid activation.

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