



# 2024 MAZDA CX-50

## SPECIFICATION DECK

Mazda reserves the right to change product specifications at any time without incurring obligations.

### LINEUP:

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CX-50 2.5 S SELECT PACKAGE	AWD
CX-50 2.5 S PREFERRED PACKAGE	AWD
CX-50 2.5 S PREMIUM PACKAGE	AWD
CX-50 2.5 S PREMIUM PLUS PACKAGE	AWD
CX-50 2.5 TURBO	AWD
CX-50 2.5 TURBO MERIDIAN EDITION	AWD
CX-50 2.5 TURBO PREMIUM PACKAGE	AWD
CX-50 2.5 TURBO PREMIUM PLUS PACKAGE	AWD

2024 MAZDA CX-50  
PRODUCT CHANGES FROM PRIOR MODEL YEAR

OVERVIEW: 5 Passenger 2-row crossover sport-utility

KEY FUNCTIONAL CHANGE

- PY-T Emission updated to ULEV70/T3Bin70 from 23MY ULEV125/T3Bin125
- A/C indicator layout change (improve e-MQF, Switch Heater and A/C switch location)
- Vacuum Booster quality improvement (e-MQF improvement)
- Ride improvement (Damper, EPAS tuning)
- Strengthened Front Seat Frame (Countermeasures for IIHS)

EXTERIOR CHANGES

- None

CONVENIENCE FEATURES

- Bose® 12-speaker audio sound system (2.5 S Premium)
- SiriusXM® satellite radio with 3-month trial subscription (n/a AK & HI) (2.5 S Premium)
- Wireless Phone Charger (2.5 S Premium, Premium Plus and all 2.5 Turbo Models)

SAFETY

- None

COLOR & TRIM

- None

OPTIONS/PACKAGING

- None

SPECIFICATIONS

- Passenger Volume (EPA - cubic-ft) (2.5 S Premium, Premium Plus and all 2.5 Turbo Models)  
23MY: 98.3 ⇒ 24MY: 100.3
- Cargo Volume (EPA - cubic-ft) (All)  
23MY: 30.9 ⇒ 24MY: 31.4
- Curb Weight (lbs.) (All 2.5 Turbo Models)  
23MY: 3,907 ⇒ 24MY: 3,913

2024 MAZDA CX-50  
PRODUCT SUMMARY

The lineup consists of 2.5 S SELECT, 2.5 S PREFERRED, 2.5 S PREMIUM, 2.5 S PREMIUM PLUS, 2.5 TURBO, 2.5 TURBO MERIDIAN EDITION, 2.5 TURBO PREMIUM and 2.5 TURBO PREMIUM PLUS models.  
The following equipment is standard as indicated. Each series includes the standard equipment of the previous series, except where additions or exceptions are noted.

2.5 S SELECT PACKAGE	2.5 S PREFERRED PACKAGE	2.5 S PREMIUM PACKAGE	2.5 S PREMIUM PLUS PACKAGE	2.5 TURBO	2.5 TURBO MERIDIAN EDITION	2.5 TURBO PREMIUM PACKAGE	2.5 TURBO PREMIUM PLUS PACKAGE
<p>(In addition to 2.5 S features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <ul style="list-style-type: none"> <li>• SKYACTIV-G® 2.5 4-cylinder engine with cylinder deactivation (CDA)</li> <li>• 187 hp</li> <li>• 186 lb-ft torque</li> <li>• SKYACTIV-Drive 6-speed automatic with manual shift mode</li> <li>• i-ACTIV All-Wheel Drive</li> <li>• Mi-Drive (Sport/Off-road modes)</li> <li>• ABS with EBD</li> <li>• Dynamic Stability Control (DSC)</li> <li>• Electric Parking Brake (EPB)</li> <li>• Traction Control System (TCS)</li> <li>• Hill Launch Assist</li> <li>• G-Vectoring Control Plus</li> <li>• Towing capacity - 2,000lb</li> </ul> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• 17-inch alloy wheels (Black Metallic finish)</li> <li>• 225/65 R17 Tires</li> <li>• Center High-mount brake light</li> <li>• Daytime Running Lights (DRL)</li> <li>• Black power side mirrors with LED turn signal indicators</li> <li>• LED headlights</li> <li>• Rear roof spoiler</li> <li>• Intermittent rear wiper/washer</li> <li>• Roof rails</li> <li>• Dual exhaust outlets - 76"</li> <li>• Automatic on/off headlights</li> <li>• Automatic rain-sensing variable-intermittent windshield wipers</li> <li>• High Beam Control (HBC)</li> <li>• Privacy glass</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Dual-zone automatic climate control with pollen filter with rear seat vents</li> <li>• Center armrest - front &amp; rear</li> <li>• Cargo area LED light</li> <li>• Cruise control with steering wheel-mounted controls</li> <li>• Map lights</li> <li>• Push Button Start</li> <li>• Rearview mirror - manual day/night</li> <li>• Steering wheel - tilt &amp; telescopic</li> <li>• Storage, bottle holder, front (2) and rear (2) door panels</li> <li>• Storage - rear center console with tray and covered storage bin</li> <li>• Storage - cup holders, (2) front &amp; (2) rear (in armrest)</li> <li>• Storage - front seatback pockets (passenger)</li> <li>• Storage - glove compartment</li> <li>• 6-way manual adjustable driver's seat</li> <li>• 4-way manual adjustable front passenger seat</li> <li>• Trim Inserts - Silver paint</li> <li>• 8-speaker audio sound system</li> <li>• AM/FM radio</li> <li>• <b>Wireless Apple CarPlay™ / Android Auto™ integration</b></li> <li>• Audio menu voice-command</li> <li>• Bluetooth® hands-free phone and audio capability</li> <li>• <b>MAZDA CONNECT™ Infotainment System</b></li> <li>• Multi-function Commander control</li> <li>• USB Audio Inputs - front center console (2 ports)</li> <li>• 7-inch TFT LCD meter display</li> <li>• Illuminated entry system</li> <li>• Gear selector - leather-wrapped</li> <li>• Mazda advanced keyless entry</li> <li>• Mazda Connected services</li> <li>• <b>Steering wheel - leather-wrapped</b></li> <li>• Storage - overhead console with sunglasses holder with LED room lamp</li> <li>• Sun visors - dual covered vanity mirrors with illumination and extensions</li> <li>• 40/60 split rear seat with remote fold down handle</li> <li>• Seat material - half leatherette</li> <li>• 10.25" full-color center display</li> <li>• <b>HD Radio™</b></li> <li>• USB Audio Inputs - Rear center console (2 ports)</li> </ul> <p><b>SAFETY</b></p> <ul style="list-style-type: none"> <li>• Advanced dual front air bags</li> <li>• Blind Spot Monitoring (BSM)</li> <li>• Child safety rear door locks</li> <li>• Driver Attention Alert</li> <li>• Emergency Lane Keeping - Road Keep Assist</li> <li>• Engine immobilizer anti-theft system</li> <li>• Lane Departure Warning System (LDWS)</li> <li>• Lane Keep Assist (LKA)</li> <li>• LATCH rear seat child safety seat anchors &amp; upper tether anchors</li> <li>• Mazda Radar Cruise Control (MRCC) with stop and go function</li> <li>• Rear Cross Traffic Alert</li> <li>• Rearview camera</li> <li>• Side-impact air bags (Front)</li> <li>• Side Impact air curtains (front and rear)</li> <li>• Knee air bags (front)</li> <li>• Smart Brake Support (SBS)</li> <li>• Tire pressure monitoring system (TPMS)</li> </ul>	<p>(In addition to SELECT PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• Side Mirrors - driver and passenger heated</li> <li>• Windshield wiper de-icer</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Power Rear Liftgate with programmable height adjustment</li> <li>• 8-way power adjustable driver's seat w/ power lumbar support</li> <li>• Heated front seats with 3 level adjustments</li> </ul> <p><b>SAFETY</b></p>	<p>(In addition to PREFERRED PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• Power-sliding panoramic moonroof with one-touch open/close</li> <li>• Roof-mounted shark fin antenna</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Bose® 12-speaker audio sound system with Centerpoint®2 and AudioPilot®2</li> <li>• SiriusXM® satellite radio with 3-month trial subscription (n/a AK &amp; HI)</li> <li>• Wireless phone charger</li> </ul> <p><b>SAFETY</b></p>	<p>(In addition to PREMIUM PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• 20 x 8j inch aluminum alloy wheels with Black Metallic + machining cut</li> <li>• P245/45 R20 all-season tires</li> <li>• Side Mirrors - automatic power folding</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Rearview mirror - auto-dimming with Homelink®</li> <li>• 6-way power adjustable passenger seat</li> <li>• Seat material - leather</li> <li>• 2-position driver seat memory</li> <li>• Trim Inserts - Black metal paint - with camel stitching (black leather seat)</li> <li>• Ventilated front seats</li> <li>• Active Driving Display (full color, windshield type)</li> </ul> <p><b>SAFETY</b></p>	<p>(In addition to or replace PREMIUM PLUS PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <ul style="list-style-type: none"> <li>• SKYACTIV-G® 2.5 with Twin Scroll Turbocharger</li> <li>• 227 HP (with 87 octane gasoline)</li> <li>• 256 HP (with 93 octane gasoline)</li> <li>• 310 lb-ft torque (with 87 octane gasoline)</li> <li>• 320 lb-ft torque (with 93 octane gasoline)</li> <li>• Mi-Drive (Sport/Off-road/Towing modes)</li> <li>• Towing capacity - 3,500lb</li> </ul> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• Badging - Turbo badge</li> <li>• Combination taillights (Signature Lighting - LED)</li> <li>• Headlights - Adaptive Front-Lighting System (AFS)</li> <li>• Headlights - LED with auto-leveling</li> <li>• Dual exhaust outlets - 90" (large)</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Paddle shifters on steering wheel</li> <li>• 8-speaker audio sound system</li> </ul> <p><b>SAFETY</b></p>	<p>(In addition to or replace 2.5 TURBO PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• P225/60 R18 all terrain tires</li> <li>• 18 x 8j alloy wheels with Black Metallic finish</li> <li>• Hood graphics</li> <li>• Side rocker garnish</li> <li>• Black lug nuts and locks</li> </ul> <p><b>INTERIOR</b></p>	<p>(In addition to 2.5 TURBO PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• Side Mirrors - automatic power folding</li> <li>• Side Mirrors - memory adjust</li> <li>• Roof-mounted shark fin antenna</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Steering wheel - heated</li> <li>• Bose® 12-speaker audio sound system with Centerpoint®2 and AudioPilot®2</li> <li>• SiriusXM® satellite radio with 3-month trial subscription (n/a AK &amp; HI)</li> <li>• Active Driving Display (full color, windshield type)</li> <li>• Ventilated front seats</li> </ul> <p><b>SAFETY</b></p>	<p>(In addition to 2.5T PREMIUM PKG features)</p> <p><b>FUNCTIONAL / POWERTRAIN</b></p> <p><b>EXTERIOR</b></p> <ul style="list-style-type: none"> <li>• Side Mirrors - auto-dimming (Driver side only)</li> </ul> <p><b>INTERIOR</b></p> <ul style="list-style-type: none"> <li>• Rearview mirror - frameless, auto-dimming with Homelink®</li> <li>• Heated rear seats</li> <li>• Mazda Navigation System</li> <li>• Active Driving Display (windshield type) with Traffic Sign Recognition (TSR)</li> <li>• SiriusXM® 3 Yr Traffic &amp; Travel Link Subscription</li> </ul> <p>Current information for:</p> <ul style="list-style-type: none"> <li>- Traffic</li> <li>- Weather</li> <li>- Sports scores</li> <li>- Fuel prices</li> <li>- Nearby parking or parking by destination</li> </ul> <p><b>SAFETY</b></p> <ul style="list-style-type: none"> <li>• <b>360° view monitor</b></li> <li>• Traffic Jam Assist</li> <li>• Parking sensors - front &amp; rear</li> <li>• Smart Brake Support Rear (SBS-R)</li> <li>• Emergency Lane Keeping - Blind Spot Assist</li> </ul>







2024 MAZDA CX-50

OPTIONS

	2.5 S SELECT PACKAGE	2.5 S PREFERRED PACKAGE	2.5 S PREMIUM PACKAGE	2.5 S PREMIUM PLUS PACKAGE	2.5 T	2.5 T MERIDIAN EDITION	2.5 T PREMIUM PACKAGE	2.5T PREMIUM PLUS PACKAGE
<b>OPTIONS</b>								
Wind Chill Pearl	Opt	Opt	Opt	Opt	Opt	-	Opt	Opt
Polymetal Gray Metallic	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Zircon Sand Metallic	-	-	-	-	Opt	Opt	Opt	Opt
Soul Red Crystal Mica	Opt	Opt	Opt	Opt	Opt	-	Opt	Opt
Machine Gray Metallic	Opt	Opt	Opt	Opt	Opt	-	Opt	Opt







2024 MAZDA CX-50  
 INTERIOR AND EXTERIOR COLORS

			2.5 S SELECT PACKAGE	2.5 S PREFERRED PACKAGE	2.5 S PREMIUM PACKAGE	2.5 S PREMIUM PLUS PACKAGE	2.5TURBO		2.5TURBO MERIDIAN EDITION		2.5 TURBO PREMIUM PACKAGE		2.5TURBO PREMIUM PLUS PACKAGE	
COLOR CODE	INTERIOR	Cloth	Leatherette	Leatherette	Leatherette	Leather	Leather		Leather		Leather		Leather	
		Black	Black	Black	Black	Black	Black	Terracotta	Black	Terracotta	Black	Terracotta	Black	Terracotta
	EXTERIOR	VA3	VA5	VA5	VA5	VA6	VA6	VA7	VA6	VA7	VA6	VA7	VA6	VA7
48K	Wind Chill Pearl		■	■	■	■	■	■			■	■	■	■
47C	Polymetal Gray	■	■	■	■	■	■	■		■	■	■	■	■
41W	Jet Black Mica	■	■	■	■	■	■	■			■	■	■	■
48B	Ingot Blue Mica	■	■	■	■	■	■	■			■	■	■	■
48T	Zircon Sand Metallic						■	■		■	■	■	■	■
46G	Machine Gray Metallic		■	■	■	■	■	■			■	■	■	■
46V	Soul Red Crystal Metallic		■	■	■	■	■	■			■	■	■	■

■ = availability

**2024 MAZDA CX-50  
SPECIFICATIONS**

	2.5 S SELECT PACKAGE	2.5 S PREFERRED PACKAGE	2.5 S PREMIUM PACKAGE	2.5 S PREMIUM PLUS PACKAGE	2.5 T	2.5 T MERIDIAN EDITION	2.5 T PREMIUM PACKAGE	2.5T PREMIUM PLUS PACKAGE
<b>ENGINE</b>								
Engine Type	Skyactiv-G 2.5 DOHC 16-valve 4-cylinder with CDA				Skyactiv-G 2.5 with Twin Scroll Turbocharger			
Horsepower, SAE net	Regular unleaded 87 octane	187hp @ 6,000 rpm			227 hp @ 5,000 rpm			
	Premium unleaded 93 octane				256 hp @ 5,000 rpm			
Torque, SAE net	Regular unleaded 87 octane	186 lb-ft @ 4,000 rpm			310 lb-ft @ 2,000 rpm			
	Premium unleaded 93 octane				320 lb-ft @ 2,500 rpm			
Displacement (cc)	2,488							
Bore x Stroke (mm)	89x100		89x100		89x100			
Compression Ratio	13.0:1				10.5:1			
Fuel System	Direct injection							
Recommended Fuel	Regular unleaded fuel, 87 octane or above (91 RON or above)							
Redline (rpm)	6,500				6,300			
Top speed (mph)	127				142			
0-60 speed (seconds)	9.5				7.5			
Oil Type	SAE 0W-20 engine oil				SAE 5W-30 engine oil			
Engine Block Material	Aluminum Alloy							
Cylinder Head Material	Aluminum Alloy							
Emission Regulation (FED/Green states)	SULEV30/T3B30				ULEV70/T3Bin70			
<b>ESTIMATED FUEL ECONOMY</b>								
EPA Mileage City/Highway/Combined	AWD		24/30/27		23/29/25			
<b>ESTIMATED FUEL ECONOMY</b>								
Ignition System	Direct ignition							
Alternator	12V-100A				12V-150A			
Battery Size	LN2				LN3			
Starter	12V:1.4KW							
<b>DRIVETRAIN</b>								
Drive Wheel	AWD							
Transmission	SKYACTIV-Drive 6-speed automatic transmission							
Gear Ratios (:1)	1st	3.552			3.487			
	2nd	2.022			1.992			
	3rd	1.452			1.449			
	4th	1.000			1.000			
	5th	0.708			0.707			
	6th	0.599			0.600			
	Reverse	3.893			3.990			
Final Drive	4.367			3.841				
<b>CHASSIS</b>								
Front Suspension	Macpherson strut							
Rear Suspension	Torsion Beam							
Steering Type	Rack and Pinion							
Power Assist	Electric Power Steering (EPS)							
Overall Steering Ratio	15.1							
Steering Wheel Turns Lock-to-Lock	2.7 revolutions							
Turning Circle, Curb to Curb (radius - feet)	18.0							
Turning Circle, Wall to Wall (diameter - feet)	39.0							
<b>BRAKING SYSTEM</b>								
Braking System	Diagonal Hydraulic							
Anti-Lock Braking System	Standard with EBD							
Front Brakes (diameter - inches/mm)	Ventilated disc (12.8/326)							
Rear Brakes (diameter - inches/mm)	Solid disc (12.8/325)							
Parking Brake	Electronic Parking Brake							
<b>TIRES &amp; WHEELS</b>								
Wheel Size	17 X 7J		20 X 8J		18 x 8J		20 X 8J	
Tire Size	225/65/R17		245/45R20		225/60R18		245/45R20	
Temporary Spare Tire	T155/90D17							

**2024 MAZDA CX-50  
SPECIFICATIONS**

		2.5 S SELECT PACKAGE	2.5 S PREFERRED PACKAGE	2.5 S PREMIUM PACKAGE	2.5 S PREMIUM PLUS PACKAGE	2.5 T	2.5 T MERIDIAN EDITION	2.5 T PREMIUM PACKAGE	2.5T PREMIUM PLUS PACKAGE
Wheelbase	(in)	110.8							
Overall Length	(in)	185.8							
Overall Width	w/o outer mirrors w/wheel arch molding (in)	75.6							
	mirror to mirror - folded (in)	72.9							
	mirror to mirror - opened (in)	80.8							
Overall Height	(in)	63.5				63.9			
Overhang	Front (in)	37.8							
	Rear (in)	37.2							
Minimum Ground clearance	Unladen (in)	8.3			8.6		8.5		8.6
Approach Angle	Degrees	17.8			18.5		18.4		
Departure Angle	Degrees	24.1			24.8		24.7		
Headroom	Front (in)	39.1			38.6				
	Rear (in)	38.6			37.5				
Leg Room	Front (in)	41.7							
	Rear (in)	39.8							
Rear knee clearance	Rear (in)	3.0							
Shoulder Room	Front (in)	55.9							
	Rear (in)	53.6							
Hip Room	Front (in)	53.6							
	Rear (in)	52.1							
Hip Point Height - unladen	from Floor, Front (in)	11.8							
	from Ground, Front (in)	24.3							
	from Floor, Rear (in)	14.1							
	from Ground, Rear (in)	24.8							
Cargo Room - unladen	Height from floor to roof (in)	30.2			29.6				
	Threshold Height from Ground (in)	28.4							
	Length to 1st row - at most front (in)	75.4							
	Length after 2nd row (in)	42.6							
	Rear Tail Gate Opening Width (in)	41.7							
	Rear Tail Gate Opening Height (in)	27.5							
	Width at Floor (in)	55.6							
	Width between Rear Tire House (in)	40.2							
Passenger Volume - EPA	(cubic ft)	100.3			100.3				
Cargo Volume - EPA	(cubic ft/L)	31.4 /890							
Cargo Volume - SAE	all seats upright (cubic ft)	31.4							
	2nd row seats folded (cubic ft)	56.3							
Curb Weight	(lbs.)	3,706				3,913			
Gross Vehicle Weight Rating	GVWR (lbs.)	4,848				4,945			
Fuel Tank Capacity	(gallons/L)	15.9/60							
Towing Capacity	(lbs.)	2,000				3,500			

\* Overall Height for Meridian Edition to be provided at a later date.

