



2024 MAZDA CX-90 MILD HYBRID INLINE 6 TURBO
SPECIFICATIONS & FEATURES

2024 MAZDA CX-90 MILD HYBRID INLINE 6 TURBO

MODEL LINE-UP

TRIM	TRANSMISSION	DRIVE	ENGINE	ELECTRIFICATION SYSTEM	DESCRIPTION
GS*	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	
GS-L	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	Captain's Chairs Enhanced Package
	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	
	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	
GT	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	
GT-P	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	
SIGNATURE	8-speed automatic transmission	AWD	3.3 e-Skyactiv G	M Hybrid Boost	

M Hybrid Boost – 48 V mild hybrid system

*This model will be introduced in the fall of 2023. More detailed timing will be communicated at a later date.

OPTIONS

AVAILABLE ON

Captain's Chairs Package (7-seat capacity)	GS-L
Enhanced Package (requires Captain's Chairs)	GS-L
Rhodium White Metallic	GS-L/GT/GT-P/Signature
Machine Grey Metallic	All models
Artisan Red Metallic	GT-P/Signature
Soul Red Crystal Metallic	GS-L/GT
Greige Leather interior (available with select exterior colours only)	GT
Pure White Nappa Leather interior (available with select exterior colours only)	GT-P
Premium Windsor Tan Nappa Leather interior (available with select exterior colours only)	Signature

ENHANCED PACKAGE

Power sliding panoramic moonroof with one-touch open/close, hands-free, height-adjustable power rear liftgate, roof rails, wireless phone charger (Qi), 5,000 lb towing capacity, Mi-Drive with towing mode.

ENGINE

	GS/GS-L/GT	GT-P/SIGNATURE
Type	Standard – 3.3 e-Skyactiv G with M Hybrid Boost, i-stop	High Output – 3.3 e-Skyactiv G with M Hybrid Boost, i-stop
Valve train	DOHC 24-valve	DOHC 24-valve
# of cylinders/configuration	6/Inline	6/Inline
Displacement	3,283 cc	3,283 cc
Compression ratio	12.0:1	12.0:1
Horsepower SAE net	280 @ 5,000–6,000 rpm	340 @ 5,000–6,000 rpm
Torque SAE net lb-ft	332 @ 2,000–3,500 rpm	369 @ 2,000–4,500 rpm
Redline	6,500 rpm	6,500 rpm
Fuel system	Direct injection	Direct injection
Recommended fuel	Regular unleaded	Premium unleaded

ELECTRIC SYSTEM

GS/GS-L/GT/GT-P/SIGNATURE		
M Hybrid Boost (48-volt Mild Hybrid to support engine operation, assists in improving fuel economy and reducing emissions)		
Electric motor		
Output	Rated Motor/Generator Power (EPA) Drive motor rated power's rated RPM	11 kW 1,450 rpm
Battery¹	Type Discharge capacity Weight Total voltage Battery capacity	Lithium-ion battery 7.5 Ah 15 kg 44.4 V 0.33 kWh
Powertrain	Electric motor power outlet Electric motor torque	16.9 hp @ 900 rpm 113 lb-ft @ 200 rpm

¹ In cold weather temperature, the engine may start and use fuel, even with a fully charged battery. The use of the engine is required to ensure proper heating of the passenger cabin. Make sure there is fuel in the tank.

CHASSIS

Front suspension	Independent, double wishbone		
Rear suspension	Independent, multi-link with coil springs and stabilizer bar		
Steering	Rack-and-pinion with engine-rpm-sensing variable power assist		
Steering ratio	17.1:1		
Minimum turning circle	11.6 m (curb-to-curb diameter)		
Brakes	Without Panoramic Roof	With Panoramic Roof	
	Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)		
	328 mm ventilated front discs	347 mm ventilated front discs	
	350 mm solid rear discs		
Curb weight (kg)	GS/GS-L/GT 2,168	GT-P/Signature 2,224	

CAPACITIES

Seating	GS	GS-L	GT/GT-P	SIGNATURE
Capacity	8	8/7 (optional ¹)	7	6
Configuration	2/3/3	2/3/3 2/2/3 (optional ¹)	2/2/3	2/2/2
Fuel tank	GS/GS-L/GT 70 L	GT-P/Signature 74 L		
Washer fluid tank	4.2 L		4.2 L	

¹With Captain's Chairs.

EXTERNAL DIMENSIONS

Overall height (mm)	with roof rails	1,733 without shark fin antenna (unladen)
	without roof rails	1,745 with shark fin antenna (unladen)
		1,740 with shark fin antenna (unladen)
Overall width (mm) (mirror to mirror)		1,971 (mirrors folded) 2,157 (mirrors in driving position)
Overall length		5,120 mm (with licence plate holder)
Wheelbase		3,120 mm

	18-inch wheels	19-inch wheels	21-inch wheels
Track (fr)	1,703 mm	1,705 mm	1,705 mm
Track (rr)	1,705 mm	1,708 mm	1,708 mm
Ground clearance (laden)	197 mm	200 mm	203 mm
Ground clearance (unladen)	201 mm	204 mm	206 mm
Approach Angle	18.5°	18.8°	19.1°
Departure Angle	20.5°	20.6°	20.8°
Break-over Angle	15.8°	15.9°	16.2°

INTERNAL DIMENSIONS (MM)

Headroom (fr/rr1/rr2)	1,008/997/936 (without panoramic roof) / 1,005/975/935 (with panoramic roof)
Legroom (fr/rr1/rr2)	1,058/1,000/773
Shoulder room (fr/rr1/rr2)	1,504/1,476/1,363
Hiproom (fr/rr1/rr2)	1,427/1,410/1,110
Cargo length (behind front seat)	2,438
Cargo length (behind second-row seat)	1,343
Cargo length (behind third-row seat)	527
Width at floor	1,265
Width between rear tire housing	1,110
Height from floor to roof	773 (without panoramic roof) / 765 (with panoramic roof)
Liftgate opening width	1,106
Liftgate opening height	742

CARGO VOLUME

Cargo volume (SAE)	8- & 7-seat capacity	6-seat capacity
Behind front seat	2,101 L	2,129 L
Behind second-row seat	1,133 L	1,155 L
Behind third-row seat	423 L	451 L

FUEL ECONOMY RATINGS (L/100 KM)

	3.3 e-Skyactiv G Standard	3.3 e-Skyactiv G High Output
City	9.9	10.3
Highway	8.4	8.5
Combined	9.3	9.5

TOWING CAPACITY

Towing capacity	GS/GS-L	GS-L ² /GT/GT-P/Signature
	1,588 kg (3,500 lb)	2,268 kg (5,000 lb)

² Requires Enhanced Package.

GS

ENGINE AND MECHANICAL

Standard: 3.3 e-Skyactiv G Inline 6 Turbocharged Engine, i-stop

Horsepower: 280 hp

Torque: 332 lb-ft

Recommended fuel: Regular

8-speed automatic transmission

Mi-Drive (Normal/Sport/Off-road modes)

i-Activ AWD

Kinematic Posture Control (KPC)

Towing capability: 1,588 kg (3,500 lb)

ELECTRIC SYSTEM

M Hybrid Boost (48-volt Mild Hybrid system)

Lithium-ion battery¹

Battery: 0.33 kWh¹

Electric motor power output: 16.9 hp @ 900 rpm

Electric motor torque: 113 lb-ft @ 200 rpm

SUSPENSION AND BRAKES

Power-assisted four-wheel disc brakes

Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)

Front suspension: Independent, double wishbone

Rear suspension: Independent, multi-link with coil springs and stabilizer bar

Rack-and-pinion steering with engine-rpm-sensing variable power assist

TIRES AND WHEELS

18-inch alloy wheels (dark grey, high lustre metallic)

255/60R18 tires

Tire Pressure Monitoring System (TPMS) – direct type

Temporary spare tire – T155/90D18

SAFETY AND SECURITY

Front dual stage driver's and front passenger's airbags

Front and rear side airbags

Front and rear curtain airbags

Front driver's and passenger's knee airbag

Passenger airbag deactivation system (auto switch)

Blind Spot Monitoring (BSM)

Rear Cross Traffic Alert (RCTA)

Driver Attention Alert (DAA)

Distance & Speed Alert (DSA)

Mazda Radar Cruise Control with Stop & Go function (MRCC with Stop & Go function)

Pedestrian Detection (front)

Dynamic Stability Control (DSC)

Traction Control System (TCS)

Trailer Stability Control (TSC)

Hill Descent Control

Hill Launch Assist (HLA)

Lane Keep-assist System (LAS)

Lane Departure Warning System (LDWS)

Emergency Lane Keeping with Road Keep Assist

Rearview camera (with static guide lines)

Smart Brake Support Front (SBS-F)

High Beam Control system (HBC)

Front and rear second-row (outboard seats only) seat belt pretensioners with force limiters

Child-safety rear door locks

Integrated rear seat child safety seat lower anchors & upper tethers

3-point safety belts for all occupants

Height-adjustable front and rear seat head restraints

Height-adjustable front seat belts

Front active head restraints

Engine immobilizer theft-deterrent system

EXTERIOR

Automatic-levelling LED headlights

LED daytime running lights

LED rear combination taillights

Automatic on/off headlights

Body-coloured door handles

Body-coloured rear roof spoiler

High-mount stop light

Manually foldable door mirrors

Power, heated, body-coloured exterior mirrors with integrated side turn signal indicators

Exterior B and C pillar garnish in black

Black honeycomb front grille inserts

Front signature wing in chrome finish

Intermittent rain-sensing windshield wipers

Intermittent rear wipers

Rear window defroster

Privacy glass on rear door glass, quarter glass and rear gate glass

Noise-isolating windshield

Noise-isolating glass (driver's and front passenger's windows)

Green tint glass with UV shield

AWD badge on liftgate

Black Inline 6 side signature badge

Wheel arch and rocker trim in black

Front and rear lower bumper in black

INTERIOR: AUDIO & CONNECTIVITY

10.25-inch full-colour centre display

Mazda Connect Infotainment system

Mazda Connected Vehicle Services²

Mazda Harmonic Acoustics with 8 speakers

AM/FM radio

Wired Apple CarPlay™ integration

Wired Android Auto™ integration

Bluetooth® hands-free phone and audio capability

Steering-wheel-mounted audio, phone and cruise controls

2 front Type-A USB ports

Navigation-ready (requires navigation SD card accessory)³

SMS text message functionality

INTERIOR: COMFORT & CONVENIENCE

3-zone automatic climate control

Rear A/C display

3rd row air conditioning vents

Rear heater ducts

Push Button Start

Electronic Parking Brake (EPB) with auto-hold function

Manual tilt and telescopic steering wheel

Power windows with one-touch up and down (front and rear)

Illuminated window switches

Keyless entry (vehicle access and lock via key fob buttons)

Day/night rearview mirror

Speed-sensing power door locks

Driver's and passenger's sunvisors with covered vanity mirrors and extension

Rear centre armrest

Illuminated entry system

Room lamp

Cargo area light

Internal hood release

12-volt power outlets (front and rear)

2 rear charging Type-A USB ports (second row)

¹ In cold weather temperature, the engine may start and use fuel, even with a fully charged battery. The use of the engine is required to ensure proper heating of the passenger cabin. Make sure there is fuel in the tank.

² Mazda Connected Vehicle Service is available for a 2 year trial period from your vehicle's in-service date; a paid subscription is required upon expiry of the trial period. Requires MyMazda App (on a compatible smartphone), a working vehicle electrical system (including battery), wireless coverage and GPS satellite signal. Services, connectivity and capabilities vary by conditions as well as geographical and technical restrictions. See [mazda.ca](https://www.mazda.ca) for details. Services may include: Remote Services [remote engine start/stop, remote lock/unlock, remote hazard lights; Vehicle Status [vehicle status alert]; Navigation Services [vehicle finder, send to car]; Vehicle Connected Services [vehicle health report, online update, push notifications, malfunction notification]; Mazda Road Side Assistance; Geofence (Driver alert/Parental control/Geofence); Last kilometer navigation; Smartwatch integration.

³ To use the navigation system, the SD card containing the map information needs to be inserted in the SD card slot.

GS (CONTINUED)

INTERIOR: SEAT & INTERIOR TRIM

Premium cloth upholstery
 Urethane steering wheel
 Urethane shift knob
 Heated front seats (three settings)
 6-way manually adjustable driver's seat
 4-way manually adjustable front passenger's seat
 60/40-split folding 2nd row seatback
 Reclining and sliding second-row seats
 Custom CX-90 embroidered floor mats
 Silver finish inner door handles (front and rear)
 Passenger's side single seatback pockets
 Silver finish dash strip trim
 Dashboard mid-panel in black
 Centre console panel in black
 Silver finish side louvre bezel
 8-seat capacity

STORAGE

Front centre console with armrest and storage
 2 cup holders in 1st row centre console
 2 cup holders in 2nd row centre console
 4 cup holders in 3rd row (2 in each quarter trim panel)

INSTRUMENTATION

Tachometer
 Engine coolant temperature gauge
 Fuel gauge
 Meter-set with 7-inch LCD display
 Meters indicate: speedometer, odometer, trip meter, outside temperature, maximum driving distance, average fuel economy, current fuel economy, deceleration regeneration charge display, i-Activsense display, compass display, door ajar/liftgate ajar/hood ajar warning indication, message display

GS-L Includes the following features in addition to or in place of CX-90 Mild Hybrid Inline 6 Turbo GS:

ENGINE AND MECHANICAL

Paddle shifters

TIRES AND WHEELS

19-inch alloy wheels (silver metallic)
 265/55R19 tires

EXTERIOR

Height-adjustable power rear liftgate
 Exterior B and C pillar garnish in gloss black
 Front wiper de-icer
 Piano black front grille inserts

INTERIOR: AUDIO & CONNECTIVITY

2 front Type-C USB ports
 AM/FM/HD radio

INTERIOR: COMFORT & CONVENIENCE

Rear centre armrest with integrated storage
 Auto-dimming rearview mirror
 Driver's and passenger's sunvisors with illuminated covered vanity mirrors and extensions
 Advanced keyless entry (vehicle access and lock via key fob proximity)
 Satin chrome ring detail on Push Button Start
 2 rear charging Type-C USB ports (second row)
 2 rear charging Type-C USB ports (third row)
 Front door courtesy lamp

INTERIOR: SEAT & INTERIOR TRIM

Leatherette-trimmed upholstery
 10-way power driver's seat (includes power lumbar support)
 4-way power front passenger's seat
 Heated steering wheel
 Leather-wrapped steering wheel and shift knob
 Lined glove box
 Front door courtesy lamp
 One-touch switch for power-operated 3rd row ingress/egress
 Lower steering wheel spokes in bright finish
 Bright finish inner door handles (front and rear)

STORAGE

Overhead console with sunglasses holder

GS-L OPTIONS

CAPTAIN'S CHAIRS PACKAGE¹

Second-row Captain's Chairs
 7-seat capacity

ENHANCED PACKAGE (REQUIRES CAPTAIN'S CHAIRS)

Power sliding panoramic moonroof with one-touch open and close
 Hands-free, height-adjustable power rear liftgate
 Rear parking sensors
 Wireless phone charger (Qi)
 Roof rails in satin chrome
 Towing capacity: 2,268 kg (5,000 lb)
 Mi-Drive (Normal/Sport/Off-road/Towing modes)

¹ Deletes one-touch switch for power-operated 3rd row ingress/egress.

GT Includes the following features in addition to or in place of CX-90 Mild Hybrid Inline 6 Turbo GS-L with Enhanced Package:

SAFETY AND SECURITY

- 360° View Monitor
- Front and rear parking sensors
- Windshield-projected colour Active Driving Display (large view)
- Traffic Sign Recognition System (TSR)
- Adaptive Front-lighting System (AFS)
- Smart Brake Support Rear (SBS-R)
- Smart Brake Support Rear Crossing (SBS-RC)
- Front Cross Traffic Alert (FCTA)
- Blind Spot Monitoring (BSM) with Vehicle Exit Warning
- Driver Monitoring (DM)
- Rearview camera (with dynamic guide lines)

TIRES AND WHEELS

- 21-inch alloy wheels (silver metallic)
- 275/45R21 tires

EXTERIOR

- LED front signature lighting
- Front and rear lower bumper in black with silver accents
- Rocker panel accent trim in bright finish with debossed Mazda wordmark
- Front and rear door garnish moulding in bright finish
- Power folding exterior mirrors (automatic operation)
- Auto-dimming exterior mirror (driver's side only)
- Shark fin antenna

INTERIOR: AUDIO & CONNECTIVITY

- Bose premium sound system with AM/FM/HD radio
- 12 Bose speakers with Centerpoint 2 Surround Technology and AudioPilot 2 Noise Compensation Technology
- SiriusXM® Satellite Radio (includes complimentary 3-month subscription)
- SiriusXM Traffic Plus and Travel Link® services (includes complimentary 5-year subscription) (Current information for: Traffic, weather, sport scores and fuel prices)
- Wireless Apple CarPlay™ integration
- Wireless Android Auto™ integration
- Navigation system

INTERIOR: COMFORT & CONVENIENCE

- HomeLink® wireless control system
- Rear door sunshades (retractable)
- Illuminated glove box
- Front and rear door courtesy lamp
- Rear console with light
- LED driver's and passenger's foot lamps

INTERIOR: SEAT & INTERIOR TRIM

- Black leather-trimmed upholstery
- Heated second-row seats (outboard seats only; three settings)
- Dashboard mid-panel in black with contrast piping and stitching
- Centre console panel in Geomesh
- Centre console cup holders with retractable cover
- Satin chrome-plated glove box lever
- Push Button Start surround in bright finish
- Upper door panel trimmed in Geomesh with silver accent
- Door handles in bright finish (front and rear)

GT OPTION

GREIGE LEATHER UPHOLSTERY

- Greige leather-trimmed upholstery
- Centre console panel in Light Arbor
- Upper door panel trimmed in Light Arbor with silver accent

GT-P Includes the following features in addition to or in place of CX-90 Mild Hybrid Inline 6 Turbo GT:

ENGINE AND MECHANICAL

High Output: 3.3 e-Skyactiv G Inline 6 Turbocharged Engine, i-stop
Horsepower: 340 hp
Torque: 369 lb-ft
Recommended fuel: Premium

SAFETY AND SECURITY

Cruise & Traffic Support (CTS)
Emergency Lane Keeping with Blind Spot Assist

EXTERIOR

Inline 6 side signature badge in bright finish

INTERIOR: SEAT & INTERIOR TRIM

Black Nappa leather-trimmed upholstery
8-way power front passenger's seat
Driver's seat memory position (2 memory settings)
Exterior mirrors linked with memory seat function
Ventilated front seats (three settings)
Black interior roof liner, A and D pillars
Dashboard mid-panel in black with contrast piping and stitching

INTERIOR: COMFORT & CONVENIENCE

Auto-dimming frameless rearview mirror with HomeLink® wireless control system

GT-P OPTION

PURE WHITE NAPPA LEATHER UPHOLSTERY

Pure White Nappa leather-trimmed upholstery
Upper door panel trimmed in Light Arbor with silver accent
Centre console in Light Arbor
Dashboard mid-panel in Pure White leather with stitching and contrast piping
Centre console armrest in Pure White
Oyster interior roof lining, A and D pillars

SIGNATURE Includes the following features in addition to or in place of CX-90 Mild Hybrid Inline 6 Turbo GT-P:

TIRES AND WHEELS

21-inch alloy wheels (machined spokes with polished finish and dark painted pockets)
275/45R21 tires

SAFETY AND SECURITY

Emergency Lane Keeping with head-on traffic avoidance assist
Pedestrian Detection (rear)
360° View Monitor with See-Through View
Smart Brake Support Front Crossing (SBS-FC)
Turning Across Path (TAP)
Secondary Collision Reduction

EXTERIOR

Body-coloured wheel arch trim
Body-coloured rocker panel accent trim with bright finish and debossed Mazda wordmark
Front and rear body-coloured lower bumper side with silver accents

INTERIOR: AUDIO & CONNECTIVITY

12.3-inch full-colour centre display
Touchscreen Centre Display for Apple Car Play™/Android Auto™

INTERIOR: SEAT & INTERIOR TRIM

Premium Pure White Nappa leather-trimmed upholstery
Upper door panel trimmed in Maple Wood and bright accent with striped texture
Centre console panel in Maple Wood
Centre console armrest in Pure White
Dashboard mid-panel in light cloth with Kakenui stitching detail
Light cloth side door trim
Dash strip trim in bright finish
Oyster interior roof lining, A and D pillars
Steering wheel with contrast stitching

INTERIOR: SEAT & INTERIOR TRIM (CONTINUED)

Second-row Captain's Chairs with premium centre console armrest with storage compartment
6-seat capacity
Ventilated second-row captain's seats
Bright finish side louver bezel

INTERIOR: COMFORT & CONVENIENCE

Power outlet socket (low AC power/150 W)
Driver Personalization System, consisting of:
– User-enabled driving position guidance
– Entry/Exit Assist
– User-enabled setting recovery (with facial recognition)
Power tilt and telescopic steering wheel

INSTRUMENTATION

Meter-set with 12.3-inch LCD display

SIGNATURE OPTION

PREMIUM WINDSOR TAN NAPPA LEATHER UPHOLSTERY

Premium Windsor Tan Nappa leather-trimmed upholstery
Quilting detail on first and second row seats
Black interior roof lining, A and D pillars
Windsor Tan Grand Luxe Suede® side door trim
Dashboard mid-panel in Windsor Tan Grand Luxe Suede® with stitching and contrast piping
Upper door panel trimmed in Dark Arbor with accent in gunmetal finish
Centre console panel in Dark Arbor
Centre console armrest in black with contrast stitching
Dash strip trim in gunmetal finish
Two-tone steering wheel in black and Windsor Tan
Gunmetal finish side louver bezel

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