



2025 MAZDA CX-90 PLUG-IN HYBRID SPECIFICATIONS & FEATURES

2025 MAZDA CX-90 PLUG-IN HYBRID

MODEL LINE-UP

TRIM	TRANSMISSION	DRIVE	ENGINE	ELECTRIFICATION SYSTEM	DESCRIPTION
GS	8-speed automatic transmission	AWD	2.5 e-Skyactiv PHEV	Plug-in Hybrid	
GS-L	8-speed automatic transmission	AWD	2.5 e-Skyactiv PHEV	Plug-in Hybrid	
GT	8-speed automatic transmission	AWD	2.5 e-Skyactiv PHEV	Plug-in Hybrid	

OPTIONS

AVAILABLE ON

Rhodium White Metallic	GS-L/GT
Machine Grey Metallic	All models
Artisan Red Metallic	GT
Soul Red Crystal Metallic	GS-L/GT
Pure White Nappa Leather interior (available with select exterior colours only)	GT

ENGINE

GS/GS-L/GT		
Type	2.5 e-Skyactiv PHEV, i-Stop	
Valve train	DOHC 16-valve	
# of cylinders/configuration	4/Inline	
Displacement	2,488 cc	
Compression ratio	13.0:1	
Horsepower SAE net (system)	323 @ 6,000 rpm (with 93 octane fuel)/319 @ 6,000 rpm (with 87 octane fuel)	
Torque SAE net lb-ft (system)	369 @ 4,000 rpm (with 93 octane fuel)/369 @ 4,000 rpm (with 87 octane fuel)	
Horsepower SAE net (engine)	189 @ 6,000 rpm (with 93 octane fuel)/185 @ 6,000 rpm (with 87 octane fuel)	
Torque SAE net lb-ft (engine)	192 @ 4,000 rpm (with 93 octane fuel)/184 @ 4,000 rpm (with 87 octane fuel)	
Redline	6,500 rpm	
Fuel system	Direct injection	
Recommended fuel	Premium unleaded	

ELECTRIC SYSTEM

GS/GS-L/GT		
Electric motor		
Type	Permanent magnet-type synchronous electric motor	
Output	Rated Motor/Generator Power (EPA)	68 kW
	Drive motor rated power's rated RPM	4,350 rpm
Battery ¹	Type	Lithium-ion battery
	Discharge capacity	50 Ah
	Weight	178 kg
	Total voltage	355 V
	Battery capacity	17.8 kWh
Powertrain	Electric motor power outlet	173 hp @ 5,500 rpm
	Electric motor torque	199 lb-ft @ 400 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.

CHARGING COMPATIBILITY

Home and Public charging (Level 1 AC 120 V and 15 Amps) ¹	6.4 Hours	Mode 2 (120 V×15 A) – state of charge from 20% to 80%
Home and Public charging (Level 2 AC 240 V and 30 Amps) ¹	1.3 Hours	Mode 2 (240 V×30 A) – state of charge from 20% to 80%

¹ The charging time is based on a battery/ambient temperature of 20° C. The actual charging time depends on the various conditions at the time of charging, such as the type of fast charging station, battery status, charging habits and the battery and ambient temperature. In cold conditions, both the battery and the ambient temperature affect the required charging time, which in certain situations can lead to a significant increase in the charging time.

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	Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)	
	347 mm ventilated front discs	
	350 mm solid rear discs	
Curb weight (kg)	2,348	

CAPACITIES

Seating	GS	GS-L/GT
Capacity	8	7
Configuration	2/3/3	2/2/3
Fuel tank	70 L	70 L
Washer fluid tank	4.2 L	4.2 L

EXTERNAL DIMENSIONS		
Overall height (mm)	with roof rails	1,733 without shark fin antenna (unladen) 1,745 with shark fin antenna (unladen)
Overall width (mm) (mirror to mirror)		2,157 (mirrors in driving position)
Overall length		5,100 mm (without licence plate holder)
Wheelbase		3,120 mm
	19-inch wheels	21-inch wheels
Track (fr)	1,705 mm	1,705 mm
Track (rr)	1,708 mm	1,708 mm
Ground clearance (unladen)	204 mm	206 mm
Approach Angle	18.8°	19.1°
Departure Angle	20.6°	20.8°
Break-over Angle	15.9°	16.2°

INTERNAL DIMENSIONS (MM)	
Headroom (fr/rr1/rr2)	1,008/997/936 (standard roof) / 996/981/936 (moonroof) / 1,005/978/935 (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 (with moonroof) / 765 (with panoramic roof)
Liftgate opening width	1,106
Liftgate opening height	742

CARGO VOLUME

Cargo volume (SAE)	
Behind front seat	2,101 L
Behind second-row seat	1,133 L
Behind third-row seat	423 L

FUEL ECONOMY RATINGS (L/100 KM)¹

e-Skyactiv PHEV	
Combined	9.4

ENERGY CONSUMPTION ESTIMATES (Le/100 KM)²

e-Skyactiv PHEV	
Combined	4.2

ELECTRIC DRIVING RANGE (KM)³

42

TOWING CAPACITY

Towing capacity	1,588 kg (3,500 lb)
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¹ Estimated fuel economy based on Government of Canada's approved, revised 5-cycle testing method. Your actual fuel consumption may vary depending on how, where and when you drive. For comparison purposes only. For more information on revised 5-cycle testing, visit the [Government of Canada website](#).

² Estimated based on preliminary testing by Mazda. Once confirmed, the official numbers will be published in the applicable NRCan Fuel Consumption Guide. To help compare vehicles that use electricity, a conversion factor is used by NRCan to convert electrical energy consumption values, expressed in kilowatt hours per 100 kilometres (kWh/100 km), into gasoline litres equivalent per 100 kilometres (Le/100 km). One litre of gasoline contains the energy equivalent to 8.9 kWh of electricity.

³ Combined range estimate based on preliminary testing by Mazda. Once confirmed, the official range rating will be published in the applicable NRCan Fuel Consumption Guide. Full battery charge is required. Actual driving range will vary depending upon driving/charging habits, speed, conditions, weather, temperatures, and battery age.

GS

ENGINE AND MECHANICAL

e-Skyactiv PHEV, i-Stop
2.5 L I4 cylinder engine
Horsepower (system): 323 hp
Torque (system): 369 lb-ft
Recommended fuel: Premium
8-speed automatic transmission with manual shift mode
Paddle shifters
Charge Model Button
Mi-Drive (Normal/Sport/Off-road/EV modes)
i-Activ AWD
Kinematic Posture Control (KPC)
Towing capability: 1,588 kg (3,500 lb)

ELECTRIC SYSTEM

Plug-in Hybrid System

Lithium-ion battery¹
Battery: 17.8 kWh¹
Electric motor power output: 173 hp @ 5,500 rpm
Electric motor torque: 199 lb-ft @ 400 rpm

CHARGING COMPATIBILITY

Home and Public charging
(Level 1 AC 120 V and 15 Amps)²
 Mode 2 (120 V×15 A) – state of charge from 20% to 80%
 6.4 Hours

Home and Public charging
(Level 2 AC 240 V and 30 Amps)²
 Mode 2 (240 V×30 A) – state of charge from 20% to 80%
 1.3 Hours

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

19-inch alloy wheels (silver metallic)
265/55R19 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 guidelines)
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
LATCH 2nd row and 3rd row seat child safety lower
anchors & upper tethers (3)
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

LED headlights with automatic levelling
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
Roof rails in satin chrome
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
Chrome PHEV side 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 Services³
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-C USB ports
Navigation-ready
(requires navigation SD card accessory)⁴

SMS text message functionality

INTERIOR: COMFORT & CONVENIENCE

3-zone automatic climate control
Rear A/C display
3rd row air 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)
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 The charging time is based on a battery/ambient temperature of 20° C. The actual charging time depends on the various conditions at the time of charging, such as the type of fast charging station, battery status, charging habits and the battery and ambient temperature. In cold conditions, both the battery and the ambient temperature affect the required charging time, which in certain situations can lead to a significant increase in the charging time.
³ 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 for details. Services may include: Remote Services [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.
⁴ 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 single seatback pockets
Silver painted dash strip trim
Dashboard mid-panel in black
Centre console panel in black
Silver finish side louver bezel
8-seat capacity

STORAGE

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

INSTRUMENTATION

Tachometer
Engine coolant temperature gauge
Fuel gauge
Meter set with 12.3-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 GS:

ENGINE AND MECHANICAL

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

EXTERIOR

Power sliding standard moonroof with one-touch open and close
Hands-free, height-adjustable power rear liftgate
Rear parking sensors
Roof rails in satin chrome
Exterior B and C pillar garnish in glossy black
Front wiper de-icer
Piano black front grille inserts

INTERIOR: AUDIO & CONNECTIVITY

AM/FM/HD radio
Wireless phone charger (Qi)
Wireless Apple CarPlay™ integration
Wireless Android Auto™ integration

INTERIOR: COMFORT & CONVENIENCE

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

SAFETY AND SECURITY

Rear parking sensors

INTERIOR: SEAT & INTERIOR TRIM

7-seat capacity
Second-row Captain’s Chairs
Leatherette-trimmed upholstery
10-way power driver’s seat (includes power lumbar support)
4-way power passenger’s seat
Heated steering wheel
Leather-wrapped steering wheel and shift knob
Lined glove box
Front door courtesy lamp
Lower steering wheel spokes in bright finish
Dash strip trim in silver finish
Brigth finish door handles (front and rear)

STORAGE

Overhead console with sunglasses holder

GT Includes the following features in addition to or in place of GS-L:

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)¹
Smart Brake Support Rear Crossing (SBS-RC)²
Front Cross Traffic Alert (FCTA)
Blind Spot Monitoring (BSM) with Vehicle Exit Warning
Driver Monitoring (DM)
Rearview camera (with dynamic guidelines)
Cruise & Traffic Support (CTS)

TIRES AND WHEELS

21-inch alloy wheels (machined spokes with polished finish and dark painted pockets)
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

12.3-inch full colour centre display with Mazda Connect Infotainment system
Touchscreen centre display for Apple Car Play™/Android Auto™
Bose premium sound system with AM/FM/HD radio
12 Bose speakers with Centerpoint 2 Surround Technology and AudioPilot 2 Noise Compensation Technology
Navigation system
SiriusXM® Satellite Radio (includes complimentary 3-month subscription)
SiriusXM Traffic Plus and Travel Link® services (includes complimentary 3-year subscription) (Current information for: Traffic, weather, sport scores and fuel prices)

INTERIOR: COMFORT & CONVENIENCE

Power sliding panoramic moonroof with one-touch open and close
HomeLink® wireless control system
Rear door sunshades (retractable)
Power outlet socket (low AC power/1500 W)
Illuminated glove box
Front and rear door courtesy lamp
Front centre console with armrest, storage and internal light
LED driver’s and passenger’s foot lamps

INTERIOR: SEAT & INTERIOR TRIM

Black Nappa leather-trimmed upholstery
8-way power passenger’s seat
Driver’s seat memory function (2 memory settings)
Exterior mirrors linked with memory seat function
Ventilated front seats (three settings)
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
Upper door panel trimmed in Geomesh with silver accent
Door handles in bright finish (front and rear)
Satin chrome-plated glove box lever
Second-row Captain’s Chairs
7-seat capacity

GT 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

¹ SBS-R: Brake activation speed: 2-15 km/h. System may not detect all obstacles. Always drive attentively.
² SBS-RC: Brake activation speed: Below 15 km/h. System may not detect all obstacles. Always drive attentively.

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