



2024 MAZDA CX-90

SPECIFICATIONS & FEATURES





2024 MAZDA CX-90 MHEV

SPECIFICATIONS & FEATURES

PRODUCTION TIMING

JOB 1: DECEMBER 2022

MODEL LINE-UP

ENGINE	MODEL	MODEL CODE
3.3 e-SKYACTIV G MHEV	GS	WXSf84
3.3 e-SKYACTIV G MHEV	GS-L	WXLf84
3.3 e-SKYACTIV G MHEV	GT	WXTf84
3.3 e-SKYACTIV G MHEV	GT-P	WXPG84
3.3 e-SKYACTIV G MHEV	SIGNATURE	WXKG84

CONTENTS

PAGE(S)

Version Change Log	2
Model Line-Up	3
Vehicle Highlights	4-13
Exterior/Interior colour guide	14-16
Specifications	17-19
Equipment Walk	20-23

* Information contained herein is subject to change without notice.*

2024 MAZDA CX-90 MHEV

VERSION CHANGE LOG

DATE	ITEM	UPDATE DETAIL
March 24, 2023	Specifications, Vehicle Highlights, Equipment Walk	Power output updated with regular and premium fuel



2024 MAZDA CX-90 MHEV

MODEL LINE-UP /MSRP

Effective Date: February 7, 2023

Trim	Trans	Drive	Engine	Electrification System	Description	Model Code	Option Code	MSRP
GS	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost		WXSf84	AA00*	\$45,900
GS-L	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost		WXLf84	AA00	\$49,300
	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost	Captain's chairs (7-seat capacity)	WXLf84	CC00	\$49,300
	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost	Enhanced Package	WXLf84	EP00	\$51,350
GT	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost		WXTf84	AA00	\$55,350
GT-P	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost		WXPg84	AA00	\$59,300
Signature	8AT	AWD	3.3 e-SKYACTIV G	M Hybrid Boost		WXKg84	AA00	\$63,300

Freight & PDE for all models

\$1,995

Note: \$100 air conditioning surcharge is excluded from applicable vehicle prices

M Hybrid Boost - 48V mild hybrid system

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

Options	AvailableOn	MSRP
Captain's chairs package (7-seat capacity)	GS-L	\$0
Enhanced Package (requires Captain's chairs)	GS-L	\$2,050
Rhodium White Metallic	GS-L/GT/GT-P/Signature	\$350
Machine Grey Metallic	All models	\$350
Artisan Red Metallic	GT-P/Signature	\$450
Soul Red Crystal Metallic	GS-L/GT	\$450
Greige Leather interior (available with select exterior colours only)	GT	\$200
Pure White Nappa Leather interior (available with select exterior colours only)	GT-P	\$200
Premium Windsor Tan Nappa leather interior (available with select exterior colours only)	Signature	\$200

Enhanced Package	Power-sliding panoramic moonroof with one-touch open/close, Power rear liftgate (programable height adjustable) with hands free access, Roof rails, Wireless phone charger (Qi), 5,000 lb towing capability, Mi-Drive gains towing mode
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2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

The CX-90 is a three-row SUV developed with the desire to strengthen family ties through endless driving pleasure and functionality that enables a variety of experiences.

With society rapidly accelerating the pace of decarbonization, Mazda is pushing forward to introduce products based on a multi-solution strategy that offers the best combination of internal combustion and electrification technologies, while taking into account the environmental regulations and power generation conditions in our market.

The CX-90 features newly developed gasoline engines based on the "right sizing" concept, which calls for optimizing displacement to improve fuel and power efficiency. At the same time, we have evolved the Jinba-ittai driving experience and synergistic effect of delivering ample power and torque, while also challenging ourselves to achieve a finer balance between environmental performance and the ability to drive at will. Mazda's Skyactiv Multi-Solution Scalable Architecture, which is designed to support the longitudinally mounted power units, achieves excellent crash safety and handling stability through a skeletal structure that enables highly rigid and efficient energy management.

The CX-90 responds naturally, as though it is an extension of the driver's body. In providing the pleasure and satisfaction of being able to drive at will, the CX-90 offers a highly engaging ride, aimed squarely to maximize the "joy of driving". The longitudinal rear-wheel drive architecture adopts a newly developed turbocharged 3.3L e-SKYACTIV Mild-Hybrid inline 6-cylinder gasoline engine, an innovative 8-speed automatic transmission. With the highest power output of any roadgoing vehicle in our history, authoritative acceleration, a rousing engine sound, rhythmical gearshift feel, and featuring further advances in vehicle attitude control, the CX-90 affords an exhilarating ride in any situation.



2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

DESIGN

A design that captivates the viewer with the beauty of its dynamic form and its comfortable interior space.

The CX-90 takes the beauty of "less is more" approach to a new level with an exterior and interior design inspired by a uniquely Japanese aesthetic. The exterior combines a lustrous look with proportions that create a sense of movement, and the interior has been intricately styled, from the bold dashboard all the way through to the third row. These enhancements give the CX-90 an unparalleled presence that make time spent with the car pleasant and enjoyable for everyone who sees and rides in it—making owners proud of their values and uncompromising taste every time they catch sight of their car.

The CX-90 design concept is centred around "Dignified Beauty". It expresses bold and dynamic proportions that are as impressive as its dignified appearance and the visual strength of our vast landscape.

Exterior Design

1) Dynamic proportions

In order to achieve proportions that give a sense of forward "movement", we thoroughly reviewed the positioning of cabin occupants and the powertrain, balanced the cabin's visual center of gravity to appear closer to the rear tires, and created a rhythmical length difference between the front and rear overhangs.

2) Bold front end

Refining the overall proportions eliminated the need to rely on a strong wedge shape. Shortened overhangs combined with an increase in the overall width to create a front end that clearly expresses a sense of width and height. The considerable presence of the front end leaves a strong impression of the "Dignified Beauty" design concept.

3) A fine blend of cabin space and styling

We have achieved both a beautiful form and an interior space with three rows of seats built to satisfy the whole family. The realization of a "framework with a sense of movement" allows a freer and truer expression of KODO Design without resorting to beltline wedges or cabin compression. This ensures ample interior space within the CX-90's dynamic form.

4) Emotional body surfaces

The unique expression of motion that KODO Design aims for was deepened to achieve a heightened interplay of light and shadow. Achieving ideal proportions enabled us to limit the use of wedge shapes or character lines and thereby accentuate reflections and the movement of light across the surfaces. One highlight of the CX-90 design is its unique shape that connects the cabin and body by a single light movement, making the entire vehicle appear as one large mass. By skillfully manipulating the curved surfaces, light and reflections on the body continuously change their expression to create emotional light transitions.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

Interior Design

The wide instrument panel and side louvers that feed into the door trim create a wide, rich space. The extra-thick console has a powerful shape that runs front to back through the space, expressing structural strength by conveying a sense of the powerful front transmission layout beneath, and the longitudinally mounted engine that lies ahead of it. The rear of the console is equipped with USB charging ports and heater controls to enhance rear seat comfort. The rear seat console has also evolved into a more integrated shape, while adding metallic trim that matches the console and door trim to create a unified space.

In order to express Japanese premium quality, we have adopted the two concepts of Kaicho or "harmony," which involves the pleasing harmonization of multiple complementary materials, and Hacho or "broken rhythm," which involves daring to introduce a discordant element to create an appealing, emotionally charged interior design. By weaving the dynamism of light and a sense of life in nature into the orderly, high-quality space, the entire space skillfully expresses the Japanese aesthetic of "beauty of tone". The unique shine of the maple wood used as decorative trim on the Signature Grade with Premium Pure White Nappa conveys this aesthetic in the most straightforward manner.



"Takumi" Craftsmanship

The expression of a uniquely Japanese sense of beauty, which finds beauty in the changes brought about by nature, is achieved through craftsmanship that is executed in everything down to the smallest detail. This attention to detail, evident in the handiwork of artisans, is reflected in the body surfaces and materials used for each part, which blend with nature and change their expression with changes in light and the environment. Each finely crafted detail provides a fresh, inviting sensation every time you look at the CX-90.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

The Newest Takuminuri Colour

As a new challenge for Mazda's Takuminuri painting process, Artisan Red Metallic was developed to highlight the dynamic and graceful shape of the CX-90. Artisan Red is a deep red that will satisfy customers looking for something a little more luxurious, in contrast to Soul Red Crystal Metallic, which gives a more passionate and sporty impression. This is an unprecedented premium colour that expresses true depth in the shaded areas, like a fine wine aged for many years, as well as a transparent and vivid red in the highlights where the light hits it.



DRIVING DYNAMICS

Passion for driving: Providing exciting driving entertainment

Suspension

The front suspension uses a double wishbone setup while the rear uses a multi-link system so drivers experience supple movement in various everyday situations that leaves them feeling as though they are free to drive at will, anytime and anywhere. The suspension contributes to Mazda's Jinba-ittai experience by helping maintain a stable posture when passing over uneven road surfaces.

Kinematic Posture Control (KPC)

The effect of KPC results in reduced body lift, even on sharp curves, which increases the feeling of solid ground contact and allows the driver to accelerate with greater confidence. This in turn provides greater peace of mind, not only for the driver, but also for family members, pets and all who ride along in the cabin.

KPC is a unique technology developed by Mazda that, while fully leveraging the CX-90's suspension structure which moves smoothly in the everyday range of use, aims to realize a more integrated and stable cornering posture, even at high speeds. Its rear suspension is designed to generate an anti-lift force that pulls the body down when the brakes are applied. KPC takes full advantage of these suspension characteristics, applying a slight amount of brake pressure to the inner rear wheel when cornering under high lateral G force to suppress roll and stabilize the vehicle's posture. The system also monitors cornering status in real time based on the difference in speed between the left and right rear wheels, and increases its operation linearly in response to achieve the appropriate stabilization effect. Another benefit of KPC is that it does not add even a single gram to the car's weight.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

The effect of KPC is particularly noticeable when negotiating sharp curves or driving on rough surfaces. KPC stabilizes the car as if it were fixed to the ground, even in situations where it would have been leaning heavily in the past. This allows the driver to accelerate with greater confidence. Furthermore, KPC helps prevent the body from lifting, even when cornering at high speeds. Even in an SUV that inherently carries a high center of gravity, this provides greater peace of mind to the driver and other cabin occupants.

Seats

Beyond contributing to the ease of driving, it was decided that the seats should be designed to minimize the amount of body sway felt by occupants. The seat structure was designed to more firmly support the body so that the driver and all passengers can unconsciously balance themselves against the front-to-back and side-to-side G-forces generated by driving operations.

Powertrain

1) Straight-six engine, available with two different levels of power output depending on grade level

A newly developed inline six-cylinder engine combines with rear-wheel drive in a front platform that lets the driver accelerate confidently in various driving situations, truly feel the pleasure of acceleration and driving itself, and enjoy life in their own way with a sense of excitement. The high quality, powerful, and smooth performance of the straight-six engine dramatically improves the driving feel and enjoyment of driving, while at the same time achieving environmental friendliness.

3.3L e-Skyactiv G turbocharged straight-six gasoline engines

The standard engine is a turbocharged 3.3L straight-six gasoline engine is rated at 280hp and 332 lb-ft of torque (operates using regular fuel). This unit responds better than typical V6 engines and also the 2.5L turbo found in our 3-row CX-9, all while achieving better fuel economy.

An available upgraded turbocharged 3.3L straight-six gasoline engine (using recommended premium fuel) is a unit that aims to deliver exhilarating acceleration, an experience that's guaranteed by its maximum output of 340hp, the greatest in our history, and maximum torque of 369 lb-ft.



2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

“Although premium grade fuel (93 octane or higher) is recommended for the GT-P and Signature grade of the MHEV models to access maximum performance, regular grade fuel (87 octane) may also be used in these models. Using 87 octane fuel will however result in a reduction of horsepower, please see the Specifications section within this document for further details.”

2) M Hybrid Boost (48V Mild Hybrid Electric Vehicle)

Mazda's M Hybrid Boost (48V Mild Hybrid) technology is mated as standard to the straight-six gasoline engine. M Hybrid Boost uses an electric motor to support the engine in the light load range (idle to low-speed range), where internal combustion engines are not particularly efficient, thereby improving fuel economy and environmental performance. Of course, the support provided by the motor when pulling away from a standing start can be felt the instant the driver steps on the gas pedal, so it also simply contributes to a higher quality driving experience. The improvement to fuel economy reduces the number of refueling stops and the hassle related to refueling during a trip, so the more you use it the more you will recognize the value it offers.

3) Engine sound

In addition to its characteristic low vibration operation, the newly developed inline six-cylinder engine is distinguished by a well-rounded sound. Even when travelling at a relaxed constant speed, the engine produces a pleasant note that teases the amount of torque. When the gas pedal is pressed and the engine's power released, the sensual sound as its pitch rises in concert blends with the sound of combustion, and the mechanical sounds of the straight-six engine to create a multilayered symphony. Furthermore, layering the basic sounds emitted by the six cylinders with those of nearby frequencies creates a unique Mazda sound with a rhythmical beat.

4) Eight-speed automatic transmission

The eight-speed automatic transmission without a torque converter is introduced to embody the Jinba-ittai concept. Smooth and responsive gear shifting with multi-stepping and a wide range achieves the right balance of dynamic and environmental performance. By replacing the torque converter with strategically placed clutches, the torque of the engine and motor is transmitted directly, with crisp and defined shifts, much like a manual transmission, enabling a response that feels more natural to the driver. In addition, the clutch's friction transmission and cooling functions have been evolved to achieve smooth starting and high efficiency.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

**SAFETY**

Safety performance that protects not only the driver but also family members, other passengers, and surrounding pedestrians

1) Driver Personalization System¹

To enhance the sense of oneness between each driver and the car and to provide a driving position that enables safer and more secure driving, the Driver Personalization System has been developed, which consists of three functions: driving position guide, setting restoration, and entry assist. The system is designed to provide an ideal driving position. This makes it easier to adjust to the ideal driving position and enjoy driving pleasure.

Driving position guide : Proper adjustment of the driving position is the first step to driving pleasure. The user-enable system adjusts the seat to the driver's ideal position based on Mazda's driving philosophy by estimating the position of the eyes using the driver monitoring camera in addition to the height information entered by the driver. The steering wheel, Active Driving Display, and outer mirror angles are also adjusted according to the inputted height information and estimated eye position. Following the guidance offered by the system helps any driver find the settings that best suit them.

Setting restoration : When the driver sits in the driver's seat and closes the door, if the driver has enable this feature, the system checks the pre-registered information by facial recognition. If a confirmation message appears on the Mazda Connect screen, the driver needs only follow the message to restore the various stored settings, even if the driver has changed. Settings can be stored for six drivers plus a guest, and almost all of the more than 250 adjustments and settings, including driving position, can be restored automatically.

Entry Assist : To reduce the stress of entering and exiting the vehicle, when the vehicle's power is turned off and the system detects the driver's intention of unbuckling the seatbelt to exit the vehicle, the steering wheel and seat automatically slide out of the way to assist the driver in getting out. Entry Assist works in conjunction with facial recognition to recognize the driver and automatically activate the aforementioned automatic setting restoration, restoring the driving position and other personalized settings without the need operate any buttons or switches

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

2) See-through View¹

The CX-90 features See-through View, which offers a further evolution of Mazda's 360°View Monitor functionality. See-through View provides a large display on the monitor that helps the driver stay fully aware of the situation ahead and to the sides of the vehicle (around the tires) in the direction of travel, even in tight spaces such as urban areas. It allows the driver to see the direction of travel and the range of obstacles they might possibly strike when fully turning the steering wheel all at once on the screen, as if the image were seen from inside the vehicle. This aids in quickly confirming objects the vehicle might come into contact with when starting off or slowing down in tight spaces, such as parking lots or narrow alleys. In addition, See-through View shows the outline of the car's body, making it easier to understand the orientation of the car in relation to the obstacles and spaces around it. Because it allows you to immediately check the situation ahead of and beside the vehicle in the direction of travel, as well as the direction the vehicle is facing in relation to the surrounding environment, it aims to lend you peace of mind when starting off or parking.

The next evolution of i-Activsense was developed to respect the driver's operation of the vehicle and ensure that the driver is in a state of correct perception, judgment, and operation, with the car intervening as needed when the risk of an accident is imminent. Following we are listing some of the next evolution of the i-Activsense features, and if you need further details please see the equipment walk or CX-90 owner's manual

3) Turning Across Path (TAP)¹

When the car determines that there is a possibility of a collision with a pedestrian, bicycle, or motorcycle crossing the road at an intersection, the brakes are activated to assist in mitigating any damage.

4) Secondary Collision Reduction system¹

In the event of a rear-end collision that triggers the airbags, the system applies the brakes to stop the vehicle and assist in mitigating secondary damage from crashing into surrounding vehicles, guardrails, trees, or pedestrians.

5) Blind Spot Monitoring (BSM) with Vehicle Exit Warning¹

The function of BSM (Blind Spot Monitoring) has been evolved to utilize rear side radar. When a vehicle, pedestrian, bicycle, or other object is detected approaching from behind, a lamp inside the door mirror lights up before the door is opened, and if the door is opened without noticing the approaching object, the lamp will flash and an audible warning will alert the occupants.

6) Rear Seat Alert¹

Rear Seat Alert alerts the driver to avoid exiting the vehicle with children or luggage left in the rear seats. The system records the opening and closing of the rear door before starting the vehicle. If the ignition is turned off without opening the rear door when exiting the vehicle, the system alerts the driver with an in-vehicle sound and a text display on the instrument panel.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

UTILITY

Perfect fit for families — functions designed for families

1) Cabin space

Aiming to create a comfortable and spacious cabin for everyone, regardless of body size, the space was expanded around the thigh area of the front seats after reviewing the leg space in the console area.

The availability of a three-seat version of the third row with a seating capacity of eight people, which was highly requested by customers, meets the needs of customers who carry a large number of passengers for family use, such as transporting their children to and from school or after-school activities, community activities, etc.

2) Cargo area space

We aimed to create a cargo space that all family members will find easy to use in a wide range of situations, from weekend shopping to outdoor leisure activities. The cargo space is designed so the floor slants five degrees when the second and third rows are folded down.

Together with the flat structure of the step-free liftgate entrance, this makes it easier to load and unload long items such as furniture and surfboards. The cargo space also sits high enough to ensure that families will find it easy to use for everything, from weekend shopping to outdoor leisure activities.

3) High-performance i-ACTIV AWD

The CX-90 adopts the rear-wheel drive-based electronically controlled multi-plate clutch AWD that Mazda first introduced on the CX-60. The aim was created to achieve high traction performance and ideal handling characteristics to make it a worthy high-performance AWD system. In addition to providing dependable and safe performance in a variety of everyday situations, its natural vehicle behavior allows the driver to maneuver the vehicle as desired, even at high speeds and in high G-force ranges, thus providing a higher level of driving pleasure.

4) Mazda Intelligent Drive select (Mi-Drive)

Normal mode: pursues the best balance between fuel efficiency and driving performance while providing a comfortable ride in all aspects of daily use.

Sport mode: Sport mode maximizes the potential of the car's dynamic performance and enhances the responsiveness of the powertrain to support aggressive driving. It also leverages AWD functionality to improve maneuvering stability and provide a powerful and reassuring driving experience.

2024 MAZDA CX-90 MHEV

VEHICLE HIGHLIGHTS

Off-road mode: When driving on dirt roads or deep snow, AWD and the Traction Control System (TCS) shift to deliver traction-oriented characteristics to better handle the challenging conditions. This mode also offers an "off-road traction assist" function to help the driver free their vehicle if it ever gets stuck. Off-road mode allows the driver to go wherever they want without worry.

Towing mode¹: When a towing hitch is installed to pull a trailer, or a bike carrier is mounted, the powertrain output characteristics are optimized for the increased weight to provide a satisfying ride. In addition, the AWD is optimized for trailer towing conditions to improve straight-line stability and make long-distance driving more comfortable.



FEATURE DEPLOYMENT FOR 2024 MAZDA CX-90

Please refer to the Equipment Walk for details on features by trim level

¹ Some models, see Equipment Walk pages for details

2024 MAZDA CX-90 MHEV

EXTERIOR/INTERIOR COLOUR GUIDE

DISCLAIMER

This colour guide has been added to facilitate the ordering process. Although we have made every effort to match the colour and fabric, we cannot guarantee the images below are an exact equivalent.

EXTERIOR		INTERIOR UPHOLSTERY AND COLOUR							
		GS	GS-L	GT		GT-P		Signature	
		Cloth	Leatherette	Leather		Nappa Leather		Premium Nappa Leather	
Paint Finish	Code	Black (KH1)	Black (KH1)	Black (KH1)	Greige (KH2)	Black (KH3)	Pure White (KH4)	Pure White (KH6)	Windsor Tan (KH5)
Rhodium White Metallic	51K		•	•		•			•
Arctic White	A4D	•							
Soul Red Crystal Metallic	46V		•	•	•				
Artisan Red Metallic	51F					•	•	•	•
Jet Black Mica	41W	•	•	•	•	•	•	•	•
Deep Crystal Blue Mica	42M	•	•	•		•	•	•	
Platinum Quartz Metallic	47S		•	•					
Sonic Silver Metallic	45P		•						•
Machine Grey Metallic	46G	•	•	•	•	•		•	•

PAINT FINISH

51K¹A4D²46V³51F¹41W¹42M¹

2024 MAZDA CX-90 MHEV

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PAINT FINISH



Model shown: ¹WXKG84 AA00, ²WXSf84 AA00, ³WXTF84 AA00

ALLOY WHEELS



18-inch alloy wheels (dark grey high lustre metallic)
Standard on GS



19-inch alloy wheels (silver metallic)
Standard on GS-L



21-inch alloy wheels (silver metallic)
Standard on GT & GT-P



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

2024 MAZDA CX-90 MHEV

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INTERIOR UPHOLSTERY AND COLOUR



KH1



KH1



KH1



KH2



KH3



KH4



KH6



KH5

2024 MAZDA CX-90 MHEV

SPECIFICATIONS

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 / in-line	6 / in-line
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 (with 93 octane fuel) 319 @ 5,500 - 6,000 rpm (with 87 octane fuel)
Torque SAE net lb-ft	332 @ 2,000 - 3,500 rpm	369 @ 2,000 - 4,500 rpm (with 93 octane fuel) 369 @ 2,000 - 4,500 rpm (with 87 octane fuel)
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)	11 kw
Drive motor rated power's rated RPM	1,450 rpm
Battery	
Type	Lithium-ion battery
Discharge capacity	7.5 Ah
Weight	15 kg
Total Voltage	44.4 V
Battery capacity	0.33 kWh
Powertrain	
Electric motor power outlet	16.9 hp @900 rpm
Electric motor torque	113 lb-ft @200 rpm

CHASSIS	
Front suspension	Independent, double wishbone
Rear suspension	Independent, Multi-Link type with coil springs and stabilizer bar
Steering	Rack and pinion type with engine-rpm-sensing variable power assist
Steering ratio	17.1 : 1
Minimum turning circle	11.6 m (curb to curb diameter)
Brakes	w/o Panoramic roof
	w/Panoramic roof
	Anti-lock Braking 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
	GT-P/Signature
	2,168 2,224

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

¹ Captain's chair

¹ Captain's chairs

2024 MAZDA CX-90 MHEV

SPECIFICATIONS

EXTERNAL DIMENSIONS



WXKG84 AA00 Model shown

Overall length: 5,120 mm (w/license plate holder)

Wheelbase: 3,120 mm

Overall height:

1,733 w/o shark fin antenna (unladen)

w/roof rails 1,745 w/shark fin antenna (unladen)

w/o roof rails 1,740 w/shark fin antenna (unladen)

Overall width (mm) (mirror to mirror)

1,971 (mirrors folded)

2,157 (mirrors in driving position)

	18" wheels	19" wheels	21" 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 (w/o Panoramic roof)
	1,005 / 975 / 935 (w/ 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 (w/o Panoramic roof)
	765 (w/ Panoramic roof)
Liftgate opening width	1,106
Liftgate opening height	742

CARGO VOLUME

	8 & 7 seat capacity	6-seat capacity
Cargo Volume (SAE)		
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/100KM)

	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

2024 MAZDA CX-90 MHEV

SPECIFICATIONS

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

2024 MAZDA CX-90 MHEV

EQUIPMENT WALK

GS

ENGINE AND MECHANICAL

Standard - 3.3 e-SKYACTIV-G In-line 6 Turbo Charged Engine, i-stop
 Horsepower = 280 HP
 Torque = 332 lb-ft
 Recommended fuel = Regular
 8-speed automatic transmission with manual shift mode
 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 battery
 Battery: 0.33 kWh
 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 type with coil spring and stabilizer bar
 Rack-and-pinion steering with engine-speed-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 and front passenger
 Front and rear side airbags
 Front and rear curtain airbags
 Front driver and passenger 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 (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 w/ Road Keep Assist
 Rearview camera (w/static guide lines)
 Smart Brake Support Front (SBS-F)
 High Beam Control system (HBC)
 Front seat belt ELR pretensioners
 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 w/auto-levelling
 LED daytime running lights
 LED rear combination tail lights
 Automatic headlights - on/off
 Body-coloured door handles
 Body coloured rear roof spoiler
 High mount stop light
 Manual foldable door mirrors
 Power, heated, body-coloured exterior mirrors with integrated side turn signal indicators



WXSf84 AA00 Model shown

EXTERIOR

Exterior B and C pillar garnish in black
 Black honeycomb front grille inserts
 Front Signature Wing in Chrome finish
 Adjustable intermittent rain sensing 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 and front passenger 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" full colour centre display
 Mazda Connect Infotainment system
 Mazda Connected Vehicle Services available. 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 engine start/stop, remote lock/unlock, remote hazard lights; Vehicle Status [vehicle status alert]; Navigation Services [vehicle finder, send to car¹]; 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; Smart watch integration
 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 USB ports Type-A
 Navigation-ready (requires navigation SD card accessory)
 SMS text message functionality

¹To use the navigation system, the SD card containing the map information needs to be inserted in the SD card slot.




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 Autohold function
 Manual Tilt and telescopic steering wheel
 Power windows one-touch up and down (front and rear)
 Illuminated window switches
 Keyless entry
 Day / night rearview mirror
 Power door locks (speed sensing)
 Driver's and passenger's sunvisors with covered vanity mirrors and extension
 Rear center armrest
 Illuminated entry system
 Room lamp
 Cargo area light
 Internal hood release
 12-volt power outlets (front and rear)
 2 rear charging USB ports (Type-A) (second row)

2024 MAZDA CX-90 MHEV


EQUIPMENT WALK


GS (Continued)	
INTERIOR: SEAT & INTERIOR TRIM	STORAGE
High grade cloth upholstery	Front center console with armrest and storage
Urethane steering wheel	2 Cup holders in 1st row centre console
Urethane shift knob	2 Cup holders in 2nd row centre console
Heated front seats (three position adjustable)	4 Cup holders in 3rd row (2 in each quarter trim panel)
Manual 6-way adjustable driver's seat	
Manual 4-way adjustable passenger seat	
Folding 60/40 second row rear seat	
Reclining and sliding second row seats	
Custom-fitted floor mats with vehicle nameplate embroidery	
Door handles (front and rear) - Silver finish	
Passenger single seatback pockets	
Dash strip trim in silver finish	
Dashboard mid-panel in Black	
Centre console panel in Black	
Side Louver Bezel in silver finish	
8-seat capacity	
	INSTRUMENTATION
	Tachometer
	Engine Coolant Temperature Gauge
	Fuel Gauge
	Meter-set with 7" LCD display
	Indicates: 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 MHEV GS:	
ENGINE AND MECHANICAL	
Paddle Shifters	
TIRES AND WHEELS	
19-inch alloy wheels (Silver metallic) 265/55R19 tires	
EXTERIOR	
Power rear liftgate (programable height adjustable)	
Exterior B and C pillar garnish in gloss black	
Front wiper de-icer Piano Black front grille inserts	
INTERIOR: AUDIO & CONNECTIVITY	
2 front USB ports Type-C AM/FM/HD radio	
INTERIOR: COMFORT & CONVENIENCE	
Rear center armrest with integrated storage Automatic dimming rearview mirror Driver's and passenger's sunvisors with illuminated covered vanity mirrors and extensions Advanced keyless entry (proximity and ignition) Push Button Start (satin chrome ring detail) 2 rear charging USB ports (Type-C) (second row) 2 rear charging USB ports (Type-C) (third row) Front door courtesy lamp	
	WXLF84 PR00 Model shown
SAFETY AND SECURITY	
	Rear seat alert
INTERIOR: SEAT & INTERIOR TRIM	
	Leatherette upholstery 10-way power driver's seat (includes power driver's lumbar support) Power 4-way passenger 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 Door handles (front and rear) - Bright finish 8-seat capacity
	STORAGE
	Overhead console with sunglass holder
GS-L OPTION	
Captain's Chairs Package ¹	
Second row Captain's chairs	7-seat capacity
¹ Deletes one touch switch for power operated 3rd row ingress/egress	
Enhanced Package (requires Captain's chairs)	
Power-sliding panoramic moonroof with one-touch open/close Power rear liftgate (programable height adjustable) with hands free access Rear parking sensors Wireless phone charger (Qi)	Roof rails in Satin Chrome Towing capability - 2,268 kg (5,000 lb) Mi-Drive (Normal/Sport/Off-road/Towing modes)

2024 MAZDA CX-90 MHEV


EQUIPMENT WALK

GT	
Includes the following features in addition to or in place of CX-90 MHEV 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 (w/dynamic guide lines)	
TIRES AND WHEELS	
21-inch alloy wheels (Silver metallic) with 275/45R21 tires	WXTF84 AA00 Model shown INTERIOR: AUDIO & CONNECTIVITY (con't) Wireless Apple CarPlay™ integration Wireless Android Auto™ integration INTERIOR: COMFORT & CONVENIENCE HomeLink® wireless control system Rear door sunshades (retractable) Illuminated glove box Front and rear door courtesy lamp Rear console w/ light Foot LED lamps (Driver and Passenger) INTERIOR: SEAT & INTERIOR TRIM Black leather upholstery Second row Captain's chairs Heated second row seats (outboard seats only / three position adjustable) Dashboard mid-panel in black with contrast piping 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) 7-seat capacity
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 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 trial subscription) SiriusXM Traffic Plus and Travel Link® services (includes complimentary 5-year subscription) (Current information for; Traffic, weather, sport scores and fuel prices) Navigation system	
GT OPTION	
Greige leather upholstery	
Greige leather 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 MHEV GT :	
ENGINE AND MECHANICAL	
High Output - 3.3 e-SKYACTIV-G In-line 6 Turbo Charged Engine, i-stop Horsepower = 340 HP / Torque = 369 lb-ft (with 93 octane fuel) Horsepower = 319 HP / Torque = 369 lb-ft (with 87 octane fuel) Recommended fuel = Premium	
SAFETY AND SECURITY	
Cruise & Traffic Support (CTS) Emergency Lane Keeping w/ Blind Spot Assist	WXP84 AA00 Model shown INTERIOR: SEAT & INTERIOR TRIM (cont.) Exterior mirrors linked with memory seat function Ventilated front seats (three position adjustable) Black interior roof liner, A and D pillars Dashboard mid-Panel in Black with contrast piping and stitching 7-seat capacity INTERIOR: COMFORT & CONVENIENCE Frameless rearview mirror (auto-dimming and HomeLink® wireless control system)
EXTERIOR	
Inline 6 side signature badge in bright finish	
INTERIOR: SEAT & INTERIOR TRIM	
Black Nappa leather upholstery Second row Captain's chairs Power 8-way passenger seat (includes power passenger's lumbar support) Driver's seat memory function (2 memory settings)	
GT-P OPTION	
Pure White Nappa Leather upholstery	
Pure White Nappa leather 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

2024 MAZDA CX-90 MHEV

EQUIPMENT WALK

SIGNATURE	
Includes the following features in addition to or in place of CX-90 MHEV 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 w/ 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	WXKG84 AA00 Model shown
EXTERIOR	INTERIOR: SEAT & INTERIOR TRIM (cont)
Wheel arch trim in body colour Rocker panel accent trim in body colour with bright finish and debossed Mazda wordmark Front and rear lower bumper side in body colour with silver accents	Oyster interior roof lining, A and D pillars Steering wheel with contrast stitching Second row Captain's chairs with premium centre console armrest with storage compartment 6-seat capacity Ventilated second row captain's seats Side Louver Bezel in bright finish
INTERIOR: AUDIO & CONNECTIVITY	INTERIOR: COMFORT & CONVENIENCE
12.3" full colour centre display	Power outlet socket (low AC power / 150W) 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
INTERIOR: SEAT & INTERIOR TRIM	INSTRUMENTATION
Premium Pure White Nappa leather 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 stitch detail Light cloth side door trim Dash strip trim in bright finish	Meter-set with 12.3" LCD display
SIGNATURE OPTION	
Premium Windsor Tan Nappa leather upholstery	
Premium Windsor Tan Nappa leather 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 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 Side Louver Bezel in Gunmetal finish



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