

THE ALL-NEW
MAZDA CX-90 MHEV





MAZDA MAKES YOU FEEL ALIVE.

We believe in the power of human potential; creativity, imagination and the amazing things we're all capable of when we're inspired. We believe in the power of cars to move human emotions. To awaken senses, heighten reflexes, make pulses race. And the joy of being alive comes from what we discover on our journey, and the inspiration we find in every mile.

BUILT TO RESPOND



SCALABLE PLATFORM, LONGITUDINAL ENGINE

Mazda...a name synonymous with driving pleasure. With feeling at one with the vehicle as if it's an extension of you. This masterful and assured redefinition of the family SUV is engineered from the ground up for exhilarating response that's also easy on the environment. It begins with the longitudinal version of our Skyactiv Multi-Solution Scalable Architecture platform scaled to CX-90's spacious dimensions and featuring an in-line cylinder engine with a front-engine rear-wheel-drive (FR) layout. Relentless research into how force is transmitted through CX-90's structure resulted in an extremely rigid body offering immediate response and feedback to your control inputs, further increasing your sense of unity with the vehicle. And seats meticulously designed to support the pelvis and preserve balance do more than just heighten the driver's feeling of being one with CX-90: they enhance the ride comfort, well-being and sense of security for passengers of any age and in every row, elevating each and every drive into an experience to savour.



DIGNIFIED BEAUTY

e-SKYACTIV G ENGINE

The beating heart of CX-90 is the newly developed e-Skyactiv G 3.3-litre turbocharged in-line six-cylinder petrol engine. Developed under a 'right-sizing' concept, e-Skyactiv G 3.3 features a cleverly simplified structure with weight comparable to a four-cylinder engine, contributing to efficient space utility and improved handling performance. e-Skyactiv G is also equipped with M Hybrid Boost, Mazda's advanced electrification technology. This unique 48 V mild hybrid system captures and stores energy from deceleration to power a motor that assists the engine during start-up and acceleration. And to further improve fuel economy, the motor also assists in the light-load range from idling to low speed, the area where internal combustion engines are at their least efficient. The new eight-speed automatic transmission features a clutch instead of a torque converter to provide fast, positive shifting similar to a manual gearbox and offer direct transfer of power.



BALANCE OF POWER





i-ACTIV AWD

CX-90's longitudinal powertrain layout allows i-Activ AWD to give you the best of both worlds: the neutral cornering characteristics of a rear-wheel-drive system combined with the reassuring stability of all-wheel drive. This full-time AWD system primarily delivers power to the rear wheels for the superior handling associated with the sports car's classic FR configuration, yet continuously monitors driving conditions to dynamically direct power to any of the four wheels as necessary. The result is a new level of high-speed, straight-line stability on highways and reliably stable traction on snow or slippery surfaces. In addition, i-Activ AWD works in conjunction with the mild hybrid system's regeneration function to optimize the front/rear distribution of regenerative braking, helping to maximize the energy recovered from each wheel during deceleration. To keep your connection to the road natural and intuitive and enhance the whole family's experience in a wider range of driving circumstances, CX-90 is equipped with Mazda Intelligent Drive Select (Mi-Drive). This system offers Normal, Sport and Off-Road modes that integrate operation of the powertrain, brake system and AWD to control power distribution to the individual wheels according to the mode selected and assure optimal traction and confidence-inspiring handling. And for exceptional peace of mind, the Hill Descent Control (HDC) system provides appropriate braking support when descending the kind of steep slopes that normally require continuous brake operation by the driver, helping maintain a set speed even when driving over rough surfaces or if the gradient changes during the descent.

KINEMATIC POSTURE CONTROL (KPC)

Our newly developed Kinematic Posture Control (KPC) is introduced to leverage the inherent strengths of

CX-90's suspension system to achieve smoother body movement in everyday driving, and suppress body roll during high-speed cornering.

The multi-link rear suspension is specifically designed to oppose lift and draw the body down towards the road when the driver brakes. KPC capitalizes on this by slightly applying brake force on the inside rear wheel, especially during high-speed turns, to mitigate roll and keep CX-90 reassuringly flat and stable through the curves. In addition, KPC monitors the difference in rotational speed between the rear wheels to calculate actual cornering performance in real time, using this information to maintain linear body movement and stabilize CX-90's posture. KPC's effect is particularly noticeable in tight bends and over rough surfaces, controlling body roll and making the vehicle feel more firmly planted to provide a smooth, confidence-inspiring ride for driver and passengers alike.

VERSATILE SEATING CONFIGURATION

Imagine CX-90 as part of your family circle. What will you do together? And just as important, how many people will you want to carry? Six? Seven? Even eight? CX-90 has you covered with options allowing you to specify the seating configuration that exactly fits your way of life. Best of all, no matter which configuration you go for, you get easy access to the third row thanks to a large side step and the second-row seats' one-touch slide function. The generous cargo space is more than adequate for a wide range of family use scenarios, plus fold-down second- and third-row seats allow transport of long or bulky items.



THE FAMILY FRIEND



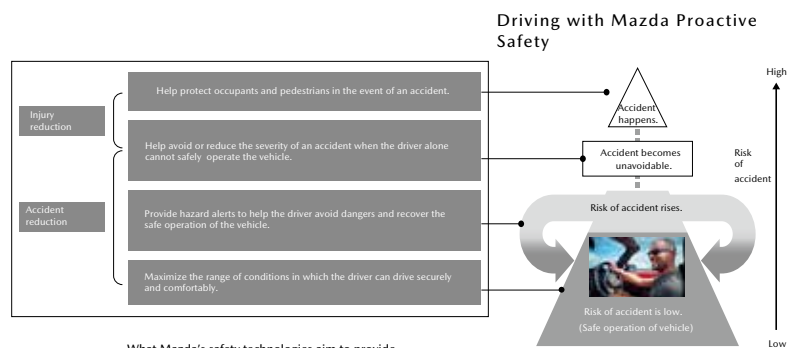
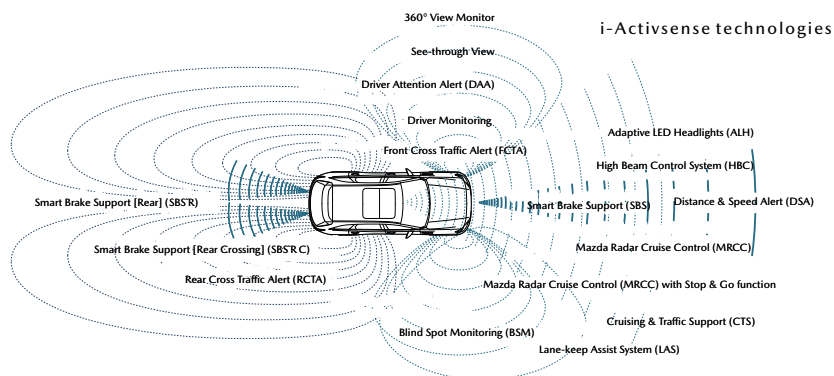
COMFORT THAT FITS

Making CX-90 Hybrid a perfect fit for your family was job one from the very beginning, requiring we gave it the power and capability to handle whatever you throw at it. Along with advanced proactive safety features. And a spacious, airy interior offering passengers of almost any physique the leg, shoulder and head room they need to relax without feeling cramped in any way. For the driver and front passenger, the floor console is optimally designed to combine ample space around the thighs with a wide armrest. Second-row passengers enjoy generous shoulder room making it easier to reach into the door pockets. And standout features of third-row seating are wide seatbacks and cushions and exceptional head room that together allow people to sit further back in a more relaxed posture.

CENTERED ON SAFETY

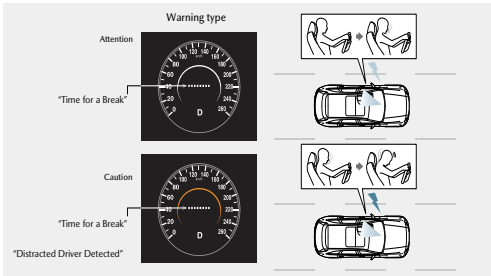
MAZDA PROACTIVE SAFETY

True driving pleasure requires more than just vehicle response and performance. It also demands the peace of mind that comes with feeling safe, secure and in control. Mazda Proactive Safety is engineered around you, the driver, to support you in anticipating and assessing your driving environment moment by moment, helping you to recognize and avoid danger beforehand rather than react after a hazardous situation has developed.



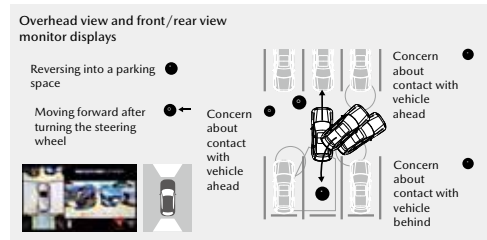
What Mazda's safety technologies aim to provide

i-ACTIVSENSE



DRIVER MONITORING

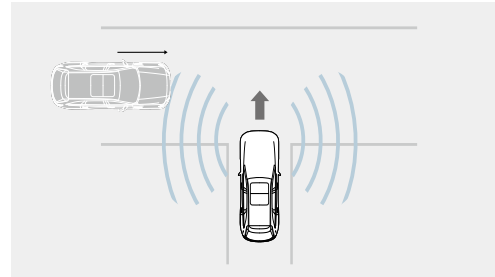
Driver Monitoring constantly checks the driver's line of sight to detect signs of drowsiness or distracted driving. In the case of drowsiness, the system provides two increasing levels of driver alert via both the screen display and a warning sound. When distracted driving is detected, an alert is given via the screen display and a warning sound.



Note: Display images are composites for illustration purposes.

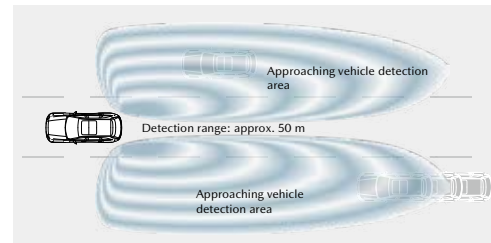
360° VIEW MONITOR SYSTEM

The 360° View Monitor system features four cameras on the front, sides and rear of the vehicle to show the area around the car on a central display. Combined with alarm sounds triggered by eight parking sensors at the front and rear, the system helps you to avoid danger when pulling into or out of a garage, approaching T-shaped intersections or passing an oncoming car on a narrow road.



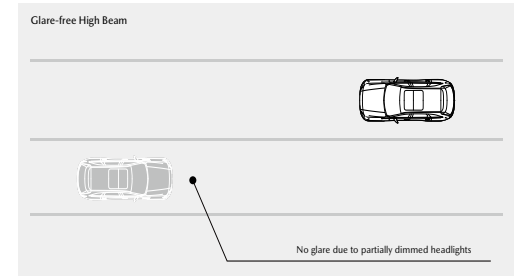
FRONT CROSS TRAFFIC ALERT (FCTA)

When entering a T junction, collisions with vehicles approaching from the front left and right blind spots can easily occur. FCTA uses front side radars to monitor these front diagonal blind spots and warn the driver of approaching vehicles. The system operates when the car is moving at speeds up to approximately ~ km/h and is only designed to detect the presence of motor vehicles.



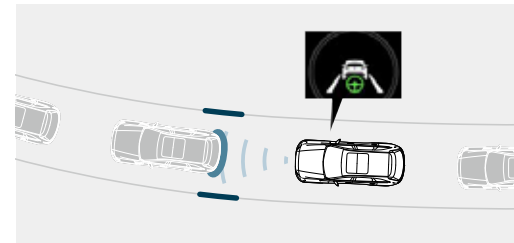
BLIND SPOT MONITORING (BSM)

BSM uses 4 GHz quasi-milliwave radar sensors to help detect vehicles in the blind spots behind and to the side, and using a turn signal while BSM detects a vehicle triggers visual and audio warnings.



ADAPTIVE LED HEADLIGHTS (ALH)

ALH offers the driver greater support for recognizing potential hazards when driving at night. The system improves night visibility and helps the driver avoid hazardous situations by combining the use of auto-controlled Glare-free High Beam (featuring an adjustable illumination range via a 20-split LED array) and Wide-range Low Beam.



CRUISING & TRAFFIC SUPPORT (CTS)

The CTS driver assistance system helps mitigate fatigue by supporting acceleration, braking and steering in situations such as driving in heavy highway traffic. When activated, CTS adjusts vehicle speed to help maintain a safe distance to the vehicle ahead, as well assisting with other functions such as lane-keeping to help make driving safe and stress-free.

FOR THE VOYAGE OF YOUR LIFE



EQUIPEMENT



The Driver Personalization System uses a camera to detect the driver's eye position and adjust seat position, steering wheel, Active Driving Display and door mirrors to suit. The automatic setting recovery function recognizes up to six individual drivers' faces and restores their preferences from over 250 memorized settings.



Jointly developed with Bose®, CX-90's audio system features 12 speakers for powerful, clearly defined sound. The unique Centerpoint® surround system delivers a superbly focused, three-dimensional sonic image even from stereo sources, while AUDIOPILOT2 monitors ambient noise levels and automatically adjusts audio volume.



The large panoramic sunroof provides an expansive top view and brings light to the entire cabin, delivering an open, airy feel to passengers in the front and rear alike.



With the advanced key in your pocket or bag, a quick kick beneath the sensor located under the rear bumper lets you open and close the power liftgate, a convenient feature when your hands are full or when you don't want to touch the car because it is wet or muddy.



Air conditioning vents for the third row are standard equipment on all models. Along with CX-90's exceptional head and shoulder room, the addition of an air conditioning vent makes time in the car even more comfortable for third-row passengers.



The 12-inch diamond-cut machined aluminium wheels feature a black metallic finish with a modern look and high-quality feel to accent CX-90's bold and elegantly commanding SUV presence.



POWER AND INSTINCT

EXTERIOR AND INTERIOR COLOURS

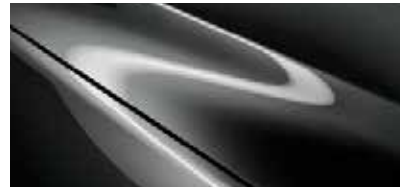
BODY COLOURS



Artisan Red Metallic
(51F)



Rhodium White Metallic
(51K)

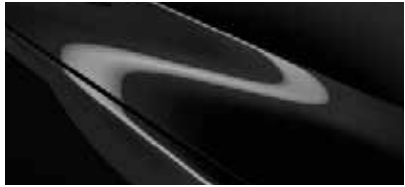


Machine Grey Metallic
(46G)



Soul Red Crystal Metallic
(46V)

TAKUMI-NURI Mazda's unique painting technology Takumi-Nuri (*takumi*: master craftsman, *nuri*: painting), with its unprecedented combination of colour, highlights, shade and depth, further emphasizes the sheer beauty and quality of the dynamic body shape. The lineup includes four Takumi-Nuri body colours: Soul Red Crystal Metallic, Machine Grey Metallic, Rhodium White Metallic and Artisan Red Metallic.



Jet Black Mica
(41W)



Deep Crystal Blue Mica
(42M)



Sonic Silver Metallic
(45P)



Platinum Quartz Metallic
(47S)



Arctic White
(A4D)

SEAT MATERIALS



Nappa
leather, Tan

PURE AND ELEGANT



SPECIFICATIONS

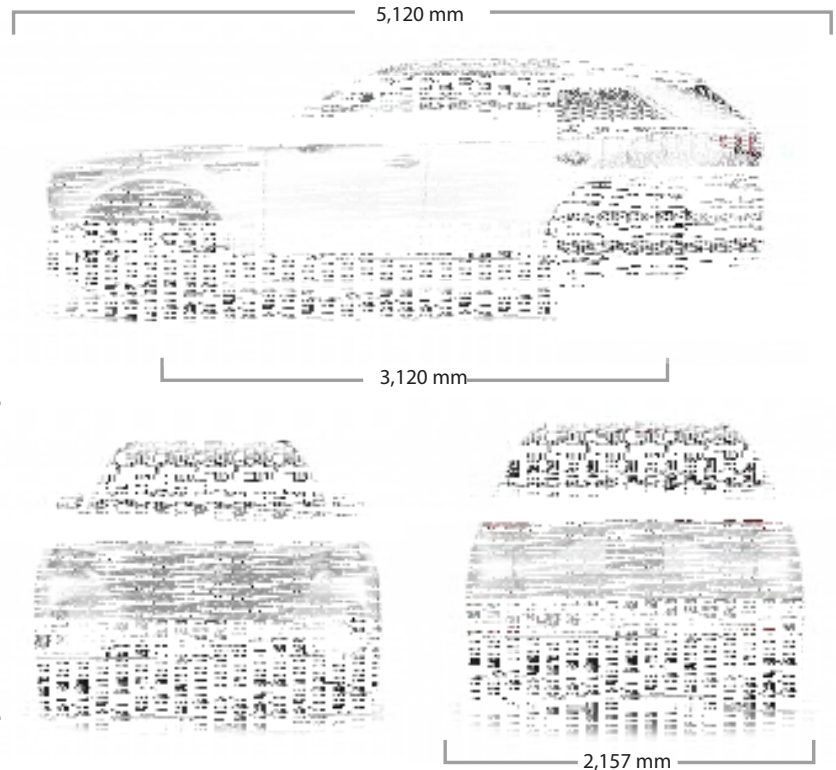
Exterior

Adaptive LED Head Lights
High Low Day Time Running Lamps
ALH: Adaptive LED Headlights
Combination Signature Illumination Front and Rear
Panoramic sunroof
Hands Free Power tailgate
Auto Dimming Power Fold Outer Mirrors with Adj Memory
Roof Rails
Body Colored Front Bumper Gard
Piano Black Bar Radiator Grill
Rear Bumper Maudling
Bumper Gard: Body Color Bright
21" Black Metallic and Machining alloy wheels

Interior

Apple car-play (wireless) android auto (wired) Bluetooth
hands free phone and audio capability
Smart phone wireless charger
USB-auto input port: 2 Front Console/ 2 Second Row/ 2
Third row (type C+)
Tan Nappa Leather seats
Memory power seat (driver)
Ventilated seats (driver and passenger)
Power adjustable seat: 8 ways (driver and passenger) Lumbar
support (driver and passenger)
Front And Rear climate control A/C
2 Tone Leather Steering
Electric Telescopic steering wheel
AT Shift Switch
Second Row Captain Chairs
Auto dimming mirror
Front Foot Led Lamp Driver and Passenger
Foot light second row
Over Head Console: w/Sunglass Holder
Rear seat power foldable

DIMENSIONS





Safety

360° see through view camera
Forward Sensing Camera with Front Radar
Front and Rear Parking Sensor (Corner & Center)
Front and Rear Side Radar
RDBS: rear cross traffic alert with SBS-R (Smart break Support Rear)
FDBS: Smart Break Support Front SBS-F/ Lane Departure Warning/ Lane
Keep Assist/Secondary Collision Reduction Passive Collision Signal
Hazard + Break Moving
Blind Spot Monitor
MRCC (Mazda radar Cruise control)
SCBS (Smart city break support)
Traffic jam assist
Driver Attention Alert
Occupant monitor system
DSA (distance & speed alert)
Seat child anchor (ISO-FIX) second row
Airbags SRS: Front Airbag (driver and Passenger) /Side Airbag (driver and
passenger) / curtain Airbag / knee Airbag (driver)
Triple H safety construction with front and rear crumple zones
Burglar alarm

Equipment & Electronics

large view Head up display
12" center display
12 Premium Bose Speakers
Keyless entry with push-button engine
start Personalized System Easy Entry
Adaptive Cruise Control
Distance And Speed Alert
Auto hold function
Multi-function commander control Wipers
(front) rain-sensing auto function Light
sensors (front)

Engine And Transmission

3300 cc turbocharged SKYACTIV Inline
6 Hybrid 340 HP
500 Nm torque
8 speed automatic transmission
I-Active AWD with sport and off-road
drive mode Engine immobilizer
Fuel Consumption
Average Combined: 230km/20L