

2009 CX-9

Engine & Mechanical



S Standard
 □ Stand-Alone Option
 --- Not Available



CX-9 at a Glance:



Engine Type

273-hp 3.7L DOHC 24-valve V6 with 6-speed Sport automatic transmission



Drivetrain Options

Front-wheel drive (FWD) or available Active Torque Split All-Wheel Drive (AWD)



Available Features

7-passenger, 3-row seating with available Bose® audio system, heated front seats, Mazda Advanced Keyless Entry & Start System and DVD Rear-Seat Entertainment system



Safety Features

5-Star government frontal- and side-crash-test rating+++; standard advanced front air bags, front side-impact air bags, side air curtains++ and Dynamic Stability Control (DSC)++

2009 CX-9	Sport	Touring	Grand Touring
Engine			
Type	3.7L V6 DOHC 24 Valve Engine		
Horsepower, SAE net (lb/ft)	273 @ 6250 rpm		
Torque, SAE net	270 @ 4250 rpm		
Displacement (cubic centimeters)	3726		
Bore x Stroke (millimeters)	95.5 x 86.6		
Compression ratio	10.3:1		
Redline	6500		
Engine block material	Aluminum-alloy		
Cylinder head material	Aluminum-alloy		
Estimated Fuel Economy			
Mileage (City/Highway)			
FWD automatic transmission†	16 / 22		
AWD automatic transmission†	15 / 21		
Fuel System			
Fuel system	Electronically controlled fuel injection		
Recommended fuel	Regular Unleaded (87 Octane)		
Drive Train			
Drive wheel	FWD/AWD		
Transmission	6-speed AT		
Coefficient of drag (Cd)	0.36		
Chassis			
Front suspension	Independent MacPherson strut suspension with stabilizer bar		
Rear suspension	Independent multilink suspension with stabilizer bar		
Steering type	Power rack-and-pinion		
Power assist	Engine speed-sensing variable		

	assist
Steering wheel turns lock-to-lock	3.1
Overall steering ratio	16.3:1
Braking	
Braking system	Diagonal Hydraulic
Anti-Lock Braking System (ABS)	Standard with Electronic Braking Distribution (EBD)
Front brakes	2 piston caliper / 12.6-inch front ventilated disc rotor
Rear brakes	1 piston caliper / 12.8-inch ventilated disc rotor
Tires and Wheels	
Tires	P245/60R18 (Sport, Touring) / P245/50R20 (Grand Touring)
Wheels	18-inch aluminum alloy (Sport, Touring) / 20-inch aluminum alloy (Grand Touring)
Temporary spare tire	T155/90R18
Capacities	
Total curb weight w/ AC (lbs)	4312 (FWD) / 4550 (AWD)
Gross Vehicle Weight Rating (GVWR) (lbs)	5805 (FWD) / 6025 (AWD)
Towing capacity (lbs)	2000 (3500 with tow package)

2009 CX-9



Exterior

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2009 CX-9	Sport	Touring	Grand Touring
Exterior Features			
Halogen headlights	S	--	--
Halogen headlights with auto off	--	S	--
Xenon headlights with auto on/off and manual height adjustment	--	--	S
Fog lights	--	--	S
Power sliding-glass moonroof with sunshade	□	□	□
Dual body-colored power remote outside mirrors	S	S	--
Dual body-colored power remote outside mirrors with side marker turn-signal lights	--	--	S
Heated side mirrors	□	S	--
Intermittent-variable windshield wipers	S	S	--
Rain-sensing windshield wipers	--	--	S
Intermittent rear window wiper and washer	S	S	S
Body-color door handles	S	S	--
Chrome door handles	--	--	S
Body-color front & rear bumpers	S	S	S
Privacy-tint rear side windows and rear liftgate	S	S	S
Body-color liftgate garnish	S	S	--
Chrome liftgate garnish	--	--	S
Rear step bumper	S	S	S
Roof rack	□	□	□
Roof spoiler	S	S	S
Power open/close liftgate	--	--	□
LED taillights	S	S	S
Dual stainless steel exhaust outlets	S	S	S
Towing prep (3,500-lb capacity, heavy-duty transmission cooler, reprogrammed Engine Control Module)	S (AWD)	S (AWD)	S (AWD)
Towing package (3,500-lb capacity, receiver hitch and trailer-wiring harness, heavy-duty transmission cooler and radiator fan, reprogrammed Engine Control Module)	□	□	□
Tires and Wheels			
18-inch aluminum alloy wheels	S	S	--
20-inch aluminum alloy bright-finish wheels	--	--	S
P245/60 R18 tires	S	S	--
P245/50 R20 tires	--	--	S
T155/90 R18 - temporary spare tire	S	S	S
Exterior Dimensions			
Overall length			
w/License plate holder (in)	199.8		
w/o License plate holder (in)	199.6		
Overall width			
Width (in)	76.2		
Overall height			
w/o Roof rails	68.0		
Track			

Front (in)	65.1
Rear (in)	64.7
Wheelbase (in)	113.2
Approach angle (degrees)	17.0
Departure angle (degrees)	21.1
Turning diameter curb-to-curb (ft)	37.4
Turning diameter wall-to-wall (ft)	41.2

2009 CX-9



Interior

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2009 CX-9	Sport	Touring	Grand Touring
Comfort and Convenience			
Remote keyless entry with retractable key	■	■	--
Smart Card with Mazda Advanced Keyless Entry & Start System	--	--	■
Leather-wrapped tilt steering wheel with Piano Black accents and audio controls	--	--	■
Three-Zone Automatic Climate Control	■	■	■
Rear window defogger	■	■	■
Tilt/telescopic steering wheel with audio and cruise controls	■	■	■
Anti-pinch power windows with front one-touch up/down	■	■	■
Bluetooth® hands-free phone capability‡	■	■	■
Bluetooth® audio-streaming capability‡	--	--	■
DVD navigation system with voice command and 7" touch screen	--	--	■
Trip computer, illustrates miles per gallon and range to empty	■	■	■
Power door locks with 2-stage unlocking	■	■	■
Power open/close liftgate	--	--	■
Illuminated entry	■	■	■
Interior indirect lighting	--	--	■
Illuminated vanity mirror and extension sun visors	■	■	■
Compass, HomeLink® auto-dimming mirror	■	■	■
12V outlets - 3 (cargo area, front console and instrument panel)	■	■	■
Storage			
Cup holders (8) and bottle holders (4)	■	■	■
Storage pockets/bins with bottle holders - front and rear doors	■	■	■
Leather-wrapped center console armrest with storage	■	■	■
Center armrest - 2nd row	■	--	--
Center armrest with storage - 2nd row	--	■	■
Overhead console with sunglass holder	■	■	■
Illuminated and lockable glove compartment	■	■	■
Retractable cargo cover	■	■	■
Cargo net	■	■	■
Cargo organizer - color-keyed	■	■	■
Rear under-floor storage	■	■	■
Seating & Trim			
7-passenger seating capacity	■	■	■
Cloth-trimmed seats	■	--	--
Leather-trimmed seats (first and second rows)	--	■	■
8-way power-adjustable driver's seat with manual lumbar support	■	--	--
8-way power-adjustable driver's seat with power lumbar support	--	■	--
8-way power-adjustable driver's seat with power lumbar support and 3-position memory	--	--	■
4-way power-adjustable front passenger seat	--	■	■
6-way manual-adjustable driver's set	■	--	--
Heated front seats	■	■	■
60/40 split fold-down 2nd-row and 50/50 split fold-down 3rd-row seats	■	■	■
One-touch walk-in access to 3rd row	■	■	■

Leather-wrapped steering wheel and shift knob	5	5	5
Interior trim - Piano Black	5	5	--
Interior trim - silver and wood pattern	--	--	5
Audio System			
AM/FM radio with CD player and 6-speaker sound system	5	5	5
AM/FM radio with in-dash 6-disc CD changer**** and 10-speaker Bose® Centerpoint® Surround System with AudioPilot®	□	□	□
AM/FM radio with in-dash 6-disc CD changer****, 11-speaker Bose® 5.1 Surround Sound System with Centerpoint® and 9" DVD rear-seat entertainment system	--	--	□
SIRIUS Satellite Radio**	□	□	□
115V power outlet	--	--	□
Steering-wheel-mounted audio controls	5	5	5
Rear window antenna	5	5	5
Instrumentation			
Electroluminescent gauges, blue indirect lighting	--	--	5
Instrument panel indirect illumination	--	--	5
Ambient temperature display	5	5	5
Interior Dimensions			
Headroom without moonroof, front/2nd/3rd row (inches)	39.6/39.0/35.4		
Headroom with moonroof, front/2nd/3rd row (inches)	38.4/39.0/35.4		
Shoulder room, front/2nd/3rd row (inches)	59.4/58.7/56.9		
Hip room, front/2nd/3rd row (inches)	56.5/56.0/43.7		
Legroom, front/2nd/3rd row (inches)	40.9/39.8/32.4		
Capacities			
Passenger seating capacity	7		
Passenger volume without Moonroof (cubic ft)	139.2		
Passenger volume with Moonroof (cubic ft)	137.5		
Cargo volume with 2nd and 3rd row seat upright (cubic ft)	17.2		
Cargo volume with 3rd row seats folded (cubic ft)	48.4		
Cargo volume with 2nd and 3rd row seats folded (cubic ft)	100.7		

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Safety

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2009 CX-9	Sport	Touring	Grand Touring
Safety and Security			
Dynamic Stability Control (DSC) ^{††} , Traction Control System (TCS) and Roll Stability Control (RSC)	■	■	■
Tire-Pressure Monitoring System (TPMS)	■	■	■
Advanced dual front air bags ^{††}	■	■	■
Front side-impact air bags and front/rear side air curtains with roll-over protection ^{††}	■	■	■
3-point seat belts for all seating positions	■	■	■
Front seat-belt pretensioners with force limiters	■	■	■
LATCH child-safety-seat anchors	■	■	■
Side-impact door beams	■	■	■
Front & rear crumple zones	■	■	■
Fold-away brake pedal	■	■	■
Engine-immobilizer antitheft system	■	■	■
Antitheft perimeter alarm	--	--	■
Blind Spot Monitoring (BSM) System ^{***}	--	--	■
Back-up camera ^{†††}	■	■	■

2009 CX-9

Options & Packages



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Option Packages			
Power Seat Option Package: <ul style="list-style-type: none"> 8-way power-adjustable driver's seat with manual-adjustable lumbar support Heated front seats Heated side mirrors 	■	■	■
Moonroof and Bose® Audio Package: <ul style="list-style-type: none"> Power sliding-glass moonroof with sunshade Bose® Premium Centerpoint® Surround System with 10 speakers In-dash 6-disc CD/MP3-compatible changer**** SIRIUS Satellite Radio with 6-month subscription Note: Requires Power Seat Option Package	■	■	■
Rear-Seat Entertainment System with Bose® Audio/SIRIUS Package: <ul style="list-style-type: none"> 9-inch DVD with Bose® 5.1 audio surround sound Bose® Premium Centerpoint® Surround System with 11 speakers In-dash 6-disc CD/MP3-compatible changer**** Audio/video input 115V outlet SIRIUS Satellite Radio with 6-month subscription 	--	--	■
Grand Touring Assistance Package: <ul style="list-style-type: none"> DVD navigation system with voice command & touch screen Back-up camera††† Power open/close liftgate Bluetooth® audio-streaming capability‡ Note: Requires Moonroof and Bose® or Rear Seat Entertainment Package	--	--	■
Towing Package: <ul style="list-style-type: none"> 3,500-lb capacity Heavy-duty transmission cooler and radiator fan Revised Engine Control Module Note: Standard on AWD. FWD requires Grand Touring Assistance Package	--	--	■
Crystal White Pearl Mica Paint	■	■	■

* MSRP includes destination charges but excludes tax, title and license fees. Destination charges may vary in Alaska and Hawaii. Vehicles displayed may contain optional equipment at additional costs. Actual dealer price may vary.

† EPA-estimated mileage. Actual results may vary.

‡ The Bluetooth® system functions only with select manufactured devices. Please consult www.MazdaUSA.com/bluetooth for device compatibility.

** SIRIUS Satellite Radio-compatible audio system requires additional dealer-installed hardware and subscription.

†† Dynamic Stability Control (DSC) is an electronic system to help the driver maintain control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether DSC will be effective in preventing loss of control. Please see the Owner's Manual for further details.

‡‡ Always wear your seat belt and secure children in the rear seats in appropriate child restraints.

*** Do not rely completely on the BSM system and be sure to look over your shoulder before changing lanes. The BSM system can assist the driver in confirming the safety of the surrounding but is not a complete substitute. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings. The BSM system does not operate when the vehicle speed is lower than about 20 mph (32 km/h).

††† Back-up camera does not provide a comprehensive view of the entire area behind this vehicle.

‡‡‡ Government star ratings are part of the National Highway Traffic Safety Administration's (NHTSA's) New Car Assessment Program (www.safercar.gov). Vehicle tested with standard side-impact air bags (SABs).

**** 6-disc CD changer not available when equipped with Grand Touring Assistance Package.