



Vehicle Information

Date: February 15, 2018
Vehicle: 2013 Kia Optima Sedan 4D 2.4L I4 Hybrid
VIN: KNAGM4AD0D5062208
Weight: 3,496

New Cars/Trucks Values

Powered by Chrome Data	Base	Options	Destination	Adjusted Value
Base MSRP	\$25,900	\$750	\$800	\$27,450
NADA New Vehicle Values				
Low	N/A	N/A	N/A	N/A
Average	N/A	N/A	N/A	N/A
High	N/A	N/A	N/A	N/A

Optional Equipment

	Invoice	MSRP
HYBRID CONVENIENCE PKG -inc: 8-way pwr driver seat, UVO infotainment system, rearview camera Code: HCN	\$650.00	\$700.00
AURORA BLACK PEARL Code: ABP	\$0.00	\$0.00
STANDARD PAINT Code: -PAINT	\$0.00	\$0.00
CARGO NET (PIO) Code: CN	\$40.00	\$50.00
BEIGE, SEAT TRIM Code: UP	\$0.00	\$0.00

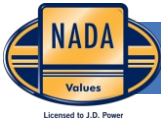
Standard Equipment

ENTERTAINMENT

- AM/FM stereo w/CD/MP3 player -inc: satellite radio, (6) speakers w/tweeters
- Aux input jack w/USB port
- Bluetooth hands-free calling
- In-glass antenna

EXTERIOR

- 16" alloy wheels
- Black-gloss front side fender garnish w/chrome accents
- Body-color folding heated pwr mirrors w/integrated LED turn signals
- Body-colored bumpers -inc: lower sport styling
- Body-colored side moldings
- Bright chrome door molding
- Clear-lens halogen automatic headlights w/black bezel -inc: escort lighting, projection high-beams
- Front fog lights
- Gloss black/chrome grille
- Insulated hood w/gas lifters
- LED rear combination lamp
- P205/65R16 tires
- Rear LED high-mounted stop lamp
- Rear lip spoiler
- Solar glass windshield w/sunband



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- Variable intermittent front windshield wipers w/jet washers-inc: aero covers

INTERIOR

- (2) aux pwr outlets
- Artificial leather door upper trim
- Carpeted floor mats
- Chrome door handles
- Clean Tex anti-stain fabric treatment
- Cooling glove box-inc: lighting
- Door map pockets-inc: integrated front/rear in-door bottle holders
- Double rachel cloth seating surfaces-inc: cloth door trim insert
- Dual front assist handles
- Dual sunvisors w/illuminated covered vanity mirrors, extensions
- Dual-zone auto climate control w/rear vents
- Electronic fuel lid release
- Front bucket seats-inc: 6-way manual driver seat w/height adjustment, driver pwr lumbar, active adjustable sliding headrests
- Front center console-inc: armrest, storage, cupholder
- Front seatback storage pockets
- Front/rear reading lamps
- Illuminated trunk w/hinge cover
- Metallic paint door & center console accents
- Overhead sunglass holder
- Plastic door sill scuff plates
- Pwr door locks-inc: front central locking, auto unlock, driver two-turn unlock, drill-protected lock
- Pwr windows-inc: driver/front passenger one-touch auto up/down
- Rear bench seat w/adjustable outboard headrests, ski pass-thru
- Rear center armrest w/cupholder
- Rear coat hook
- Rear window defroster w/timer
- Remote keyless entry w/panic & alarm function, security indicator
- Steering wheel-mounted auto cruise control
- Tilt/telescopic 3-spoke leather-wrapped steering wheel w/audio controls-inc: wheel-mounted Bluetooth controls w/voice activation button, ECO switch, illuminated ignition
- Time-delay interior dome lamp-inc: auto interior light control
- Trip computer-inc: distance to empty, average speed, drive time, ambient temp, average fuel economy, instant fuel economy
- Warning features-inc: parking brake on, key-operated chime, driver seatbelt reminder, low washer fluid

MECHANICAL

- 2.4L DOHC MPI 16-valve I4 hybrid PZEV engine-inc: continuously variable valve timing (CVT), permanent-magnet synchronous electric motor, lithium polymer hybrid battery, virtual engine sound system, aluminum block & head
- 6-speed automatic transmission w/OD, H-Matic-inc: Auto Shift lock system, ECO switch
- Active ECO system
- Battery saver w/interior lamp auto-cut
- Dual-flow shock absorbers
- Electric motor-driven pwr steering
- Engine cover
- Front stabilizer bar
- Front wheel drive
- Independent MacPherson strut front suspension w/coil springs
- Independent multi-link rear suspension w/coil springs-inc: aluminum carrier, aluminum lower arms
- Push button start
- Pwr vented front & solid rear disc brakes
- Tire mobility kit
- Towing & lashing hook *Only present on vehicles produced in Hwasung, South Korea*

SAFETY

- 3-point front seat belts-inc: pretensioners, force limiters, height-adjustable anchors, emergency locking retractors
- 3-point rear seat belts w/emergency locking retractors
- 4-wheel anti-lock brakes (ABS)
- 5-mph bumpers
- Driver & front passenger seat-mounted side airbags
- Dual advanced front airbags-inc: passenger occupancy sensor
- Dual-note horn
- Electronic stability control (ESC) w/traction control system (TCS)
- Emergency trunk release handle
- Front/rear crumple zones
- Front/rear side curtain airbags
- Hill start assist control (HAC)
- Impact-absorbing steering column
- Impact-triggered auto door unlocking
- Lower anchors & tethers for children (LATCH)
- Rear child safety door locks
- Side-impact door beams
- Tire pressure monitoring system (TPMS)
- Vehicle stability management (VSM)



Technical Specifications

Brakes

- Brake ABS System (Second Line) N/A
- Brake ABS System 4-Wheel
- Brake Type Pwr
- Disc - Front (Yes or) Yes
- Disc - Rear (Yes or) Yes
- Drum - Rear (Yes or)
- Front Brake Rotor Diam x Thickness 11.8 x -TBD-in
- Rear Brake Rotor Diam x Thickness 11.2 x -TBD-in
- Rear Drum Diam x Width in

Cargo Area Dimensions

- Trunk Volume 10.78ft³

Cooling System

- Total Cooling System Capacity 4.0qts

Electrical

- Cold Cranking Amps @ 0Â° F (Primary) 600
- Maximum Alternator Capacity (amps) N/A

Emissions

- EPA Greenhouse Gas Score N/A
- Tons/yr of CO2 Emissions @ 15K mi/year 5.0

Engine

- Displacement 2.4L/144
- Engine Order Code
- Engine Type Gas/Electric I4
- Fuel System Electronic Fuel Injection
- SAE Net Horsepower @ RPM 199 combined
- SAE Net Torque @ RPM 235 combined

Exterior Dimensions

- Height, Overall 57.08in
- Length, Overall 190.7in
- Lifterover Height N/Ain
- Min Ground Clearance 5.12in
- Track Width, Front 63.03in
- Track Width, Rear 63.03in
- Wheelbase 110.04in
- Width, Max w/o mirrors 72.05in

Fuel Tank

- Aux Fuel Tank Capacity, Approx N/Agal
- Fuel Tank Capacity, Approx 17.2gal

Interior Dimensions

- Front Head Room 39.96in
- Front Hip Room 54.65in
- Front Leg Room 45.47in
- Front Shoulder Room 57.28in
- Passenger Capacity 5
- Passenger Volume 102.17ft³
- Second Head Room 37.6in
- Second Hip Room 54.49in
- Second Leg Room 34.65in
- Second Shoulder Room 55.71in

Mileage



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- Battery Range N/A
- Cruising Range - City 619.20mi
- Cruising Range - Hwy 688.00mi
- EPA Fuel Economy Est - City 36MPG
- EPA Fuel Economy Est - Hwy 40MPG
- EPA MPG Equivalent - City N/A
- EPA MPG Equivalent - Combined N/A
- EPA MPG Equivalent - Hwy N/A
- Fuel Economy Est-Combined 38MPG

Steering

- Lock to Lock Turns (Steering) 2.94
- Steering Ratio (:1), Overall N/A
- Steering Type Pwr Rack & Pinion
- Turning Diameter - Curb to Curb 35.76ft
- Turning Diameter - Wall to Wall N/Aft

Suspension

- Shock Absorber Diameter - Front N/Amm
- Shock Absorber Diameter - Rear N/Amm
- Stabilizer Bar Diameter - Front N/Ain
- Stabilizer Bar Diameter - Rear N/Ain
- Suspension Type - Front (Cont.) w/Coil Springs
- Suspension Type - Front MacPherson Strut
- Suspension Type - Rear (Cont.) w/Coil Springs
- Suspension Type - Rear Multi-Link

Tires

- Front Tire Order Code
- Front Tire Size P205/65R16
- Rear Tire Order Code
- Rear Tire Size P205/65R16
- Spare Tire Order Code
- Spare Tire Size N/A

Trailer

- Dead Weight Hitch - Max Tongue Wt. lbs
- Dead Weight Hitch - Max Trailer Wt. lbs
- Wt Distributing Hitch - Max Tongue Wt. lbs
- Wt Distributing Hitch - Max Trailer Wt. lbs

Transmission

- Clutch Size in
- Drivetrain Front Wheel Drive
- Fifth Gear Ratio (:1) 1.000
- Final Drive Axle Ratio (:1) 3.320
- First Gear Ratio (:1) 4.212
- Fourth Gear Ratio (:1) 1.386
- Reverse Ratio (:1) 3.385
- Second Gear Ratio (:1) 2.637
- Sixth Gear Ratio (:1) 0.772
- Third Gear Ratio (:1) 1.800
- Trans Description Cont. Again
- Trans Description Cont. Automatic w/manual shift
- Trans Order Code
- Trans Type 6

Vehicle

- EPA Classification Midsize Cars

Weight Information

- Base Curb Weight 3496lbs

Wheels

- Front Wheel Material Aluminum
- Front Wheel Size 16 x 6.5in



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- Rear Wheel Material Aluminum
- Rear Wheel Size 16 x 6.5in
- Spare Wheel Material
- Spare Wheel Size in