

2010 KIA OPTIMA SPECIFICATIONS

GENERAL INFO	
Body configuration	Four-door sedan
Body type	Steel unibody
Drivetrain layout	Front engine, front drive
Passenger capacity	5

ENGINE	2.4L I4	2.7L V6
Type	Inline four-cylinder, aluminum block and head	60-degree six-cylinder, aluminum block and heads
Valve gear	DOHC, four valves/cylinder	DOHC, four valves/cylinder
Horsepower (hp @ rpm)	175 @ 6000	194 @ 6000
Torque (lb-ft @ rpm)	169 @ 4000	184 @ 4500
Bore x stroke (mm)	88.0 x 97.0	86.7 x 75.0
Displacement (cc)	2359	2656
Compression ratio	10.5:1	10.4:1
Emissions rating	50-state: LEV-II (ULEV) Tier-2 (Bin 5)	50-state: LEV-II (ULEV) Tier-2 (Bin 5)
Fuel tank capacity (gal.)	16.4	16.4
Coolant capacity (qt.)	7.3	8.8
Engine oil capacity (qt.)	4.5	4.7

DRIVETRAIN	
Transmission	Five-speed manual, overdrive Electronically-controlled five-speed automatic, overdrive w/ Sportmatic™
Gear ratios :1	M/T
1 st	3.267
2 nd	1.794
3 rd	1.552
4 th	1.176
5 th	0.921
Reverse	3.416
Final drive	4.333 (1 st , 2 nd and reverse) 3.250 (3 rd , 4 th and 5 th)

SUSPENSION	
Front	Independent, MacPherson struts, coil springs, anti-roll bar
Rear	Independent, multi-link, coil springs, anti-roll bar

STEERING	
Type	Engine-speed-sensitive, power-assisted rack-and-pinion
Turns, lock-to-lock	2.9
Turning circle, curb-to-curb (ft.)	35.5

DIMENSIONS (in.)	
Exterior:	
Overall length	189.0
Overall width	71.1
Overall height	58.3
Wheelbase	107.1
Track, front/rear	61.5 / 61.1
Ground clearance	6.3
Interior:	
Headroom, front/rear	39.8 / 38.0
Shoulder room, front/rear	57.1 / 56.3
Legroom, front/rear	43.7 / 37.8
Hip room, front/rear	54.5 / 54.7
Interior volume (cu. ft.)	104.2
Cargo volume (cu. ft.)	15.0

CURB WEIGHT (lb.)	2.4L I4	2.7L V6
Five-speed manual	3157	--
Five-speed automatic	3179	3294
Weight distribution (front/rear)	M/T: 61 / 39 A/T: 61 / 39	62 / 38

BRAKES	
Type	Hydraulic, vacuum power-assisted Four-sensor, four-channel ABS
Front	11.0-inch ventilated discs
Rear	10.3-inch discs

TIRES & WHEELS	2.4L I4	2.7L V6
Tires	205/60R16 215/50R17	205/60R16 215/50R17
Wheels	6.5 x 16, 6.5 x 17, alloy	6.5 x 16, 6.5 x 17, alloy

FUEL ECONOMY (mpg)	2.4L I4	2.7L V6
	City/Highway	
M/T	22 / 32	--
A/T	22 / 32	20 / 28