

Race Car Comparisons

American Le Mans Series (LMP2) 2007

Category:	Sports Car	Fuel:	Unleaded 98 octane E10 gasoline
Top Speed:	190 mph	Gearbox:	Manual 6-speed sequential shift
Horsepower:	500+ BHP	Tires:	Michelin slicks, grooved for rain
1-100 mph:	3.4 seconds	Brakes:	4-piston carbon
Max. race length:	3,100 miles	Chassis:	Carbon fiber monocoque
Weight:	1,708 lbs. (775 kg) without driver/fuel	Suspension:	Pushrod with double wishbones
Height:	40 inches (102 cm)	Traction Control:	Yes (fuel/spark only) Brake intervention not permitted
Width:	78.74 inches (200 cm)		
Wheelbase:	108-120 inches		
Engine:	Acura 3.4-liter V-8 Normally-aspirated		

Formula One

Category:	Open Wheel	Fuel:	Unleaded racing gasoline (Euro 98)
Top Speed:	225 mph	Gearbox:	Semiautomatic with six or seven forward gears
Horsepower:	900	Tires:	Racing slicks (grooved)
0-100 mph:	less than 3 seconds	Brakes:	6-piston carbon
Max. race length:	200 miles	Chassis:	Carbon fiber monocoque
Weight:	1,322 lbs with driver	Suspension:	Pushrod with double wishbones
Height:	37.43 inches	Traction Control:	Yes (fuel/spark only) Brake intervention not permitted
Width:	77.5 inches		
Wheelbase:	120-130 inches		
Engine:	2.4-liter V-8		

IndyCar

Category:	Open Wheel	Fuel:	Ethanol (113 octane)
Top Speed:	235 mph	Gearbox:	Manual 6-speed sequential shift
Horsepower:	650	Tires:	Racing slicks, grooved for rain
0-100 mph:	less than 3 seconds	Brakes:	4-piston carbon (ovals) 6-piston steel (road course)
Max. race length:	500 miles	Chassis:	Carbon fiber monocoque
Weight:	1,525 lbs. (oval) 1,600 lbs. with driver (road)	Suspension:	Pushrod with multilink
Height:	38 inches (IRL)	Traction Control:	Yes (fuel/spark only)
Width:	78.5 inches		
Wheelbase:	120 inches		
Engine:	Honda 3.5-liter V-8 Normally aspirated		

NASCAR

Category: Stock car
Top Speed: 200 mph
Horsepower: 790
0-100 mph: 4-5 seconds
Max. race length: 600 miles
Weight: 3,400 lbs.
without driver
Height: 51 inches
Width: 72.5 inches
Wheelbase: 110 inches
Engine: 5.7-liter V-8

Fuel: Both leaded and unleaded
racing gasoline
Gearbox: Manual four or five speed
Tires: Racing slicks (ungrooved)
Brakes: 4-piston steel (carbon pads)
Chassis: Steel tubing with roll cage
Suspension: Front and rear –
independent coil springs,
upper and lower A arms
**Traction
control:** Not permitted