

# Race Car Comparisons

## AMERICAN LE MANS SERIES (LMP2)



Category:	Sports Car	Wheelbase:	108-120 inches
Top Speed:	190 mph	Engine:	Acura 3.4-liter V-8
Horsepower:	500+ bhp		Normally-aspirated
1-100 mph:	3.4 seconds	Fuel:	Unleaded 98 octane E10 gasoline
Max. race length:	3,100 miles	Gearbox:	Manual 6-speed sequential shift
Weight:	1,764 lbs. (800 kg)	Tires:	Michelin slicks, grooved for rain
	without driver/fuel	Brakes:	6-piston carbon
Height:	40 inches (102 cm)	Chassis:	Carbon fiber monocoque
Width:	78.74 inches (200 cm)	Suspension:	Pushrod with double wishbones
Traction Control:	Yes (fuel/spark only)		
	Brake intervention not permitted		

## FORMULA ONE



Category:	Open Wheel	Fuel:	Unleaded racing gas (Euro 98)
Top Speed:	225 mph	Gearbox:	Semi-automatic 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)
Width:	77.5 inches		Brake intervention not permitted
Wheelbase:	120-130 inches		
Engine:	2.4-liter V-8		

## INDYCAR



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

## NASCAR



Category:	Stock car	Fuel:	Both leaded and unleaded racing gasoline
Top Speed:	200 mph	Gearbox:	Manual 4- or 5-speed
Horsepower:	790	Tires:	Racing slicks (ungrooved)
1-100 mph:	4-5 seconds	Brakes:	4-piston steel (carbon pads)
Max. race length:	600 miles	Chassis:	Steel tubing with roll cage
Weight:	3,400 lbs. without driver	Suspension:	Front and rear – independent coil springs, upper and lower A-arms
Height:	51 inches		
Width:	72.5 inches		
Wheelbase:	110 inches		
Engine:	5.7-liter V-8	Traction control:	Not permitted