

RACE CAR COMPARISONS

American Le Mans Series (LMP1)

Category:	Sports Car
Top speed:	200 mph+
Horsepower:	620 + bhp
0-100 mph:	3.4 seconds
Max. race length:	3,100 miles
Weight:	900 kg minimum without driver/fuel
Height:	3.38 feet
Width:	6.56 feet
Length:	15.56 feet
Wheelbase:	108-120 inches
Engine:	Acura 4-liter V-8, normally aspirated
Fuel:	23.6 gallons; Unleaded 98-octane E10 gasoline
Gearbox:	Manual 6-speed paddle shift
Tires:	Michelin slicks, grooved for rain
Brakes:	6-piston aluminum fixed calipers
Chassis:	Carbon fiber monocoque
Suspension:	Double wishbones adjustable toe, camber
Traction control:	Yes (fuel/spark only) Brake intervention not permitted

Formula One

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

IndyCar

Category:	Open-Wheel
Top Speed:	235 mph
Horsepower:	650
0-100 mph:	Less than 3 seconds
Max. race length:	500 miles
Weight:	1,525 lbs. (oval); 1,600 lbs. with driver (road)

Height:	38 inches
Width:	78.5 inches
Wheelbase:	120 inches
Engine:	Honda 3.5-liter V-8 normally-aspirated
Fuel:	Ethanol (113 octane)
Gearbox:	Manual 6-speed sequential shift
Tires:	Racing slicks, grooved for rain
Brakes:	4-piston carbon (ovals); 6-piston steel (road course)
Chassis:	Carbon-fiber monocoque
Suspension:	Pushrod with multilink
Traction control:	Yes (fuel/spark only)

NASCAR

Category:	Stock Car
Top Speed:	200 mph
Horsepower:	850
0-100 mph:	4-5 seconds
Max. race length:	600 miles
Weight:	3,400 lbs. w/o 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 4-speed
Tires:	Racing slicks (ungrooved)
Brakes:	4-piston steel (carbon pads)
Suspension:	Front and rear – independent coil springs; upper and lower A-arms
Chassis:	Steel tubing with roll cage
Traction control:	Not permitted