

2009 ACURA ENGINE/CHASSIS SPECIFICATIONS

AMERICAN LE MANS SERIES

ACURA LMP1 V8 ENGINE SPECIFICATIONS

Engine Type:	Acura LM-AR7 Normally-aspirated, fuel-injected, aluminum alloy V-8
Displacement:	4.0 liters
Horsepower:	620 + BHP
Inlet Restrictor:	2 x 33.9 mm
Valve Train:	Dual overhead camshaft, four valves per cylinder
Engine Management:	Continental/Acura ECU
Clutch:	AP Pull-Type (Carbon)
Ignition System:	CDI
Lubrication:	Dry sump
Cooling:	Dual water pumps
Fuel:	Unleaded 100-octane E10 gasoline

ACURA ARX-02a LMP1 CHASSIS SPECIFICATIONS

Length	15.26' (465 cm) maximum
Width	6.56' (200 cm) maximum
Height	3.38' (103 cm) maximum
Weight	900 kg minimum
Monocoque	Integrated crash structures including rollover protection, safety fuel cell and front-crash structure manufactured with carbon-fiber composite
Head Protection	Head rest with head protection in accordance with FIA regulations
Restraint System:	Six-point seat belt, prepared for using the HANS® system
Tire Size:	Michelin Racing Tires: 37-71/18
Wheels:	One-piece, 18-inch forged magnesium wheels with central-locking element. Minimum weight: 8.0 kg (front), 9.0kg (rear)
Steering:	Rack-and-pinion power steering
Suspension:	Double wishbones with adjustable toe, camber, ride heights. Four-way damper units with separate torsion springs, pushrods with anti-roll bars
Brake Calipers:	Six-piston aluminum fixed calipers
Brake Disks	Internally-vented, carbon-fiber brake disks, 380mm maximum
Fuel Capacity	23.8 US gallons (90 liters)
Transmission:	6 forward gears, 1 reverse gear
Transmission Controls:	Manual paddle shifter with electronic gear selector
Differential:	Limited slip with traction control

ACURA LMP2 V8 ENGINE SPECIFICATIONS

Engine Type:	Acura LM-AR6, IMSA LMP2 regulation Aluminum V-8, normally-aspirated, fuel injection
Displacement:	3.4 liters
Horsepower:	480+ BHP
Inlet Restrictor:	40.7mm air limiting restrictor
Valve Train:	Dual overhead camshaft, four valves per cylinder
Engine Management:	Continental/Acura – ECU
Transmission:	Acura-Hewland 6-speed sequential unit with manual paddle-operated selection
Ignition System:	Continental/Acura – ECU
Clutch:	Multi-plate, carbon pull-type
Lubrication:	Dry sump
Cooling:	Mechanical water pump
Fuel:	IMSA-100 E10, 100-octane gasoline +10% ethanol
Fuel Capacity:	21.1 U.S. Gallons maximum (80 liters)

ACURA ARX-01b LMP2 CHASSIS SPECIFICATIONS

Tires:	Michelin racing slicks or rain-tread
Brakes:	6-piston aluminum caliper, carbon disc
Chassis:	Acura carbon-fiber monocoque
Weight:	1874 lb. (850 kg) minimum regulation, with driver/fuel
Height:	40 inches (102 cm)
Width:	78.7 inches (200 cm)
Traction Control:	Continental/Acura – ECU
Wheelbase:	108-120 inches (274 – 305 cm)
Suspension:	Double wishbone with pushrod, front and rear anti-roll bars