

## 2015 VERIZON INDYCAR SERIES CAR SPECIFICATIONS

### CHASSIS

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<b>Manufacturer:</b>	Dallara Automobili, Italy
<b>Model:</b>	Fourth-generation Dallara IR-12 chassis (2012-present)
<b>Construction:</b>	Monocoque contains cockpit, fuel cell and front suspension; engine is stressed (integral) member of chassis; rear assembly contains bell housing, gearbox and rear suspension members
<b>Materials:</b>	Carbon fiber, Kevlar and other composites
<b>Weight:</b>	Approximately 1,600 pounds (road/street/short ovals) and 1,570 pounds (superspeedways); does not include fuel/driver/driver equivalency weight
<b>Length:</b>	203.94 inches (road/street/short ovals) and 197.33 inches (superspeedways)
<b>Width:</b>	78.5 inches maximum, 77.5 inches minimum (measured outside rim to rim), floor is 79 inches
<b>Height:</b>	Approximately 40 inches
<b>Wheelbase:</b>	117.5 to 121.5 inches
<b>Wheel size:</b>	<b>Front:</b> 15 inches diameter, 10 inches wide <b>Minimum weight:</b> 13.48 pounds <b>Rear:</b> 15 inches diameter, 14 inches wide <b>Minimum weight:</b> 14.7 pounds
<b>Tires:</b>	Firestone Firehawk <b>Front diameter:</b> 26 inches maximum, 25 inches minimum @ 35 psi <b>Rear diameter:</b> 27.5 inches maximum, 26.5 inches minimum @ 35 psi
<b>Brakes:</b>	Brembo six-piston, monobloc aluminum calipers, with lightweight carbon-carbon brake discs
<b>Suspension:</b>	Double wishbone, independent pushrod suspension with anti-roll bars (front and rear)
<b>Dampers:</b>	Adjustable, coil over damper
<b>Gearbox:</b>	XTRAC #1011 gearbox
<b>Fuel Cell:</b>	Six forward gears, one reverse gear, Mega-Line Assisted Gear Shift (paddle shift) Single, rupture-proof cell, 18.5 U.S. gallons (standard)

### ENGINE

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<b>Manufacturers:</b>	American Honda Motor Co., Inc.; Chevrolet
<b>Models:</b>	Honda HI15TT Indy V6, Chevy IndyCar V6
<b>Type:</b>	2.2-liter (234.25 cubic inches), twin-turbocharged V-6, maximum bore diameter 95 millimeters
<b>Weight:</b>	Minimum weight 248 pounds
<b>RPM:</b>	12,000 maximum (INDYCAR-supplied rev limiter)
<b>Turbocharging:</b>	Twin BorgWarner 6758 turbochargers
<b>Maximum boost pressure (above atmosphere):</b>	300 mbar / 4.35 psi (superspeedways) 400 mbar / 5.8 psi (short ovals) 500 mbar / 7.25 psi (road/street courses) 600 mbar / 8.70 psi (push-to-pass)
<b>Power:</b>	Estimated 550-700 horsepower, depending on turbo boost pressure used at track
<b>Fuel:</b>	Sunoco E85R (blend of 85 percent ethanol and 15 percent gasoline)
<b>Injectors:</b>	Maximum two injectors per cylinder, one for direct injection, 300 bar maximum fuel system pressure (4,351 psi)
<b>Engine Control Unit:</b>	McLaren Applied Technologies TAG 400i
<b>Throttle:</b>	Drive-by-wire controlled port throttles