

Audi R18 TDI



Audi R18 TDI

n. 1 24h Le Mans 2011

R. Dumas, T. Bernhard, M. Rockenfeller

CA24b

150mm 34mm 93mm 64mm 79gr

Motor	Pinion/Gear	Front Rims/Tyres	Rear Rims/Tyres	Scale
Flat-6 20.5K	11/28	17.3x10 1152C1	17.3x10 1152C1	1:32

	Inline reverse	Inline	Sidewinder	Inline Boxer	Anglewinder
Motor mount	○ [2]	○ [2]	X	○ [2]	● [1]

Setup	ND Magnet	Race Magnet	Suspension	Light	Digital SYSTEM
●	●	○	○	○	SSD OXIGEN

[1] box stock standard: offset 1 mm
[2] only with optional inline body kit

- Standard
- Compatible
- X Not Compatible





The R18 TDI is a sportscar designed in 2011 by Audi, according to the Lmp1 regulations, to be engaged in the Le Mans 24 Hours and the World Endurance Championship.

It is a closed cockpit car, a choice made as a consequence of the rules change

introduced in 2011.

Each area of this car is designed for extreme reduction of weight; the minimum value of 900 kg required by regulations is reached by using ballasts.

The carbon monocoque chassis is made in a single-piece; this solution is very light, but also very safe.

The gearbox is 6-speeds, electrically actuated, built with large use of carbon fibre composite material.

The whole headlights are made with LEDs.



The diesel engine is a V6, 120°, 3.7 liters displacement; fuel tank capacity is 65 liters. The engine uses a single turbo and exhaust pipe situated below the fin. The maximum power is 540 hp with air restrictions according to the rules, and the top speed about 335 kph.

Audi was engaged in the 2011 Le Mans 24 hour- race with 3 R18s. The number 1 was driven by Timo Bernhard, Romain Dumas and Mike Rockenfeller.

