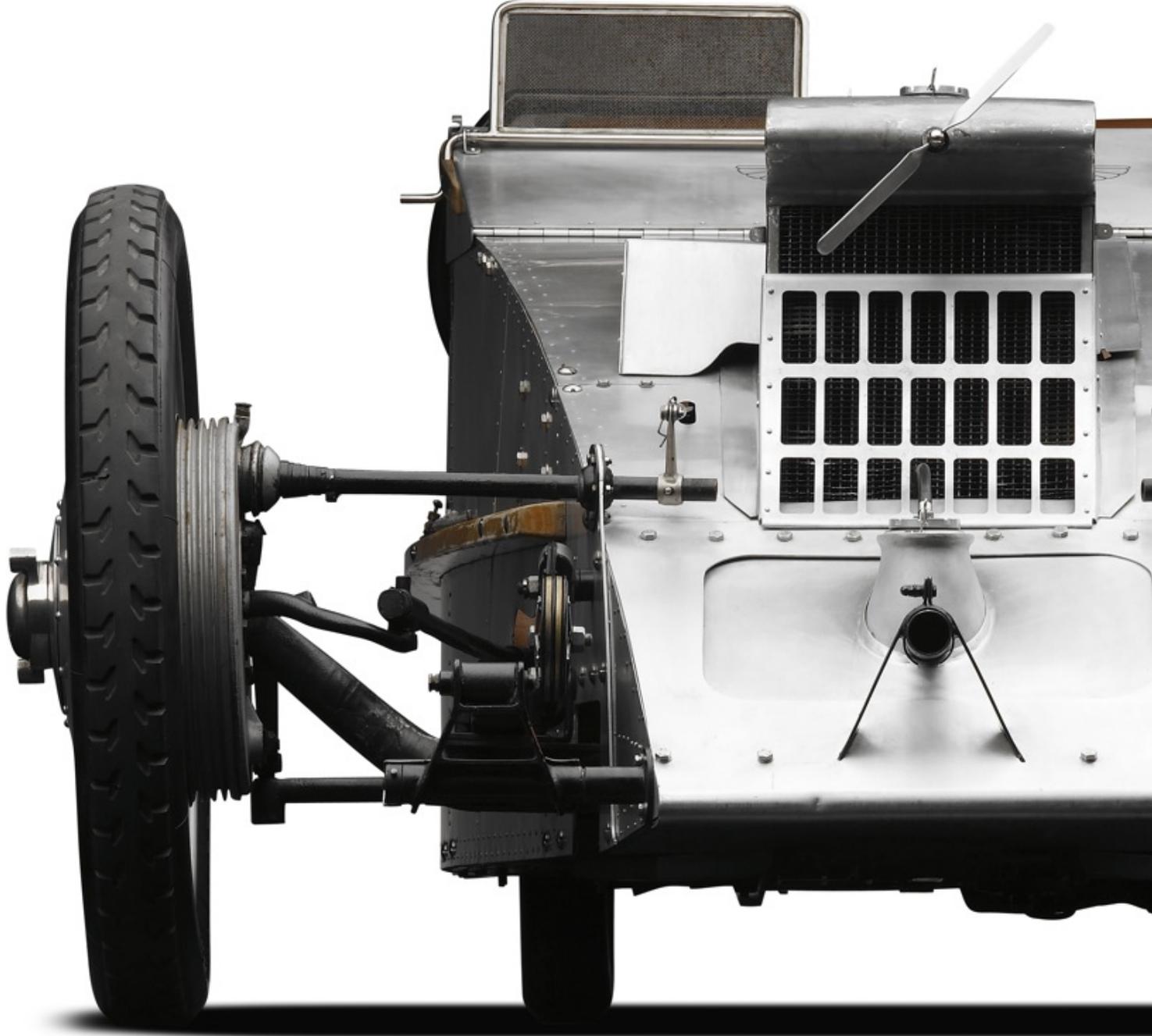




# VOISIN TYPE C6

Laboratoire 1923





### A Laboratory of Innovation

**Gabriel Voisin's original road racers, coined Laboratoires, were rolling test beds for experimental technologies that maximized power, economy, and simplicity.**

In 1923 Voisin unveiled the Type C6 grand prix car, an experimental model that embodied his knowledge of aerodynamics and engineering. The car's unique shape and materials were innovations in the history of sports car design.

Voisin developed the unorthodox Type C6 in response to the Automobile Club de France's new regulations for the 1923 season. In six months Voisin and his chief engineer, André Lefebvre, designed the narrow, lightweight, aluminum-bodied Type C6 Laboratoire. It was an aerodynamic monocoque car with a streamlined profile inspired by the wing of an airplane. Its front end borrowed from Voisin's Type C5 series, but its engine was based on the Type C4.

Aside from these known elements, the



mechanics were entirely new—a fact honored by the Type C6's nickname, Laboratoire. Like many Voisin prototypes, the Type C6 was a rolling laboratory for Voisin's experimental technology. The sleeve-valve engine, previously four cylinders (1.32 liters), was a six-cylinder model that displaced 1.984 liters, yet retained the dimensions of a 62 millimeter bore and a 110 millimeter stroke. The efficient water pump, driven by a propeller, was mounted on the prow to enhance engine cooling. In addition, aluminum was incorporated into the chassis construction, not only making it rustproof, but also easier and safer to handle at the speeds achieved by Voisin's powerful engines. Unfortunately only one of the four Laboratoires competing in the 1923 Grand Prix de Vitesse finished the race, earning fifth behind three Sunbeams and a Bugatti Tank.



## PROFILE

<b>Coachbuilder</b>	Recreation by Philipp Moch
<b>Chassis number</b>	005
<b>Body type</b>	Laboratoire
<b>Number made</b>	4
<b>Production span</b>	1923
<b>Acceleration</b>	0
<b>Top Speed</b>	unavailable

## BODY | CHASSIS

<b>Front brakes type</b>	Drum
<b>Front suspension type</b>	Solid axle with semielliptical leaf springs
<b>Rear suspension type</b>	Underslung axle
<b>Length</b>	14' 9"
<b>Height (Ground line to highest roof)</b>	3' 7"
<b>Width</b>	5' 5"

## ENGINE

<b>Engine number</b>	28861
<b>Type</b>	Inline
<b>Number of cylinders</b>	6
<b>Displacement</b>	1984
<b>Distribution</b>	Knigt sleeve-valves
<b>BHP at 4800 RPM</b>	80
<b>Gearbox</b>	Manual
<b>Number of gears</b>	3
<b>Overdrive</b>	0



