

Exhibitor No:

**FOR IN FLIGHT:**  **OR STATIC:**  **DISPLAY**

Show No 92

**Attention: Requested information will be used by the official Airshow speakers**

As well as providing information for the press office, this document will be used as a basis for the official commentaries. Exhibitors should therefore indicate the technical data and commercial information requested, as well as any other information they would like to transmit to the public during the flight program.

<b>MANUFACTURER:</b>	CAUDRON		
<b>AIRCRAFT TYPE AND NAME:</b>	C460 Rafale		
<b>CATEGORY:</b>	Sport aircraft (réplica)		
<b>COUNTRY:</b>	France		
<b>FIRST FLIGHT:</b>	<b>DISPLAY CREW:</b>		
<b>Date:</b> 28/01/2009 <b>Location:</b> California	Mark Lightsey		
<b>Crew:</b> Mark Lightsey			
<b>ENGINE(S):</b>			
<b>Number:</b>	1	<b>Type:</b>	V541 four cylinders
<b>Manufacturer:</b>	LOM		
<b>Take off rating (Dry):</b>	260 shp	<b>With reheat:</b>	
<b>Propeller(s):</b>	two-blade LOM propeller		
<b>TECHNICAL DATA:</b>		<b>COMMERCIAL INFORMATION:</b>	
<b>Empty weight:</b>	1 208 lb	<b>Prototypes (or pre-prod):</b>	
<b>Max take off weight:</b>		<b>Firm orders:</b>	
<b>Max cruise speed:</b>		<b>Options:</b>	
<b>Max operating speed:</b>	220 kts	<b>Deliveries:</b>	
<b>Stall speed:</b>		<b>Production rate:</b>	
<b>Max endurance:</b>		<b>Number of clients:</b>	
<b>Max range:</b>		<b>Contact during the show:</b>	
<b>ACCOMODATION:</b>		<b>WEAPONS</b>	
<b>Accomodation:</b>	Single seater		
<b>Max payload:</b>			
<b>MISCELLANEOUS:</b>			
<p>Caudron Rafale C450 and C460 were racing monoplanes built by the Société des avions Caudron to participate in the Coupe Deutsch de la Meurthe 1934. Born of an alliance between Renault Aviation (the "SMAR" Société des Moteurs d'Avions Renault), Caudron Renault and brilliant engineer Marcel Riffard, the Caudron-Renault 460 would allow the most famous pilots of 1930s as Raymond Delmotte, Maurice Arnoux, or Hélène Boucher to win many aviation records. Despite engine power much lower than many US competitors, the Caudron won many races in the United States, including the Thomson Trophy won by Michel Détrouyat during the famous National Air Races in Los Angeles in 1936. The purity of the lines due to the pen of Marcel Riffart balanced the modest power of the 8 cylinders Renault Bengali only rating 360cv.</p> <p>Note that the company Aerocraftsman, headed by Mark Lightsey, created this replica of Caudron C460 with a minimum of blue prints and some old photographs. Original construction drawings from Marcel Riffard were all destroyed. It took about 8 000 hours to complete the work.</p> <p>The today's replica is equipped with a Czech Type V 541 LOM six-cylinder driving a LOM propeller. It gives a power of 210 hp at 2750 rpm. During the first flight tests Mark Lightsey reached 165 mph, or about 300 km/h. The aircraft is equipped with a relatively small wing, stability is excellent, noted that the approach speed for landing is around 200 km/h.</p>			