

# CAMS

5TH CATEGORY - HISTORIC RACING

GROUP Na

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

**Make of Car:** Simca Aronde

**Model:** Elysee 90A

**Period of Original Manufacture:** 1956/58

**CAMS Historic Group:** Na

**Date of Issue of this Document:** May 2004



## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

**Description:** Unitary Construction **Period of Manufacture:**  
**Manufacturer:** Simca 1955/58  
**Chassis no. from:** 481041 - 2800001  
**Chassis no. location:** Plate on Scuttle  
**Material:** Steel  
**Comments:**

### 1.2 FRONT SUSPENSION

**Description:** Independent – Upper & Lower  
Wishbones  
**Spring medium:** Coil  
**Damper Type:** Telescopic **Adjustable:** Permitted  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** Yes **Method:** Shims  
**Comments:** Refer Group Na regulations for permitted modifications

### 1.3 REAR SUSPENSION

**Description:** Live Axle  
**Spring medium:** Semi Elliptic Leaf  
**Damper type:** Telescopic **Adjustable:** Permitted  
**Anti-sway bar:** Not Fitted **Adjustable:**  
**Suspension adjustable:** No **Method:**  
**Comments:** Refer Group Na regulations for permitted modifications.

### 1.4 STEERING

**Type:** Worm & Roller **Make:** Simca  
**Comments:**

### 1.5 BRAKES

	Front	Rear
<b>Type:</b>	Drum	Drum
<b>Dimensions:</b>	254 x 51mm	254 x 51mm
<b>Material of drum/disc</b>	Cast Iron	Cast Iron
<b>No. cylinders/pots per wheel:</b>	1	1
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper: Make, Material, Type:</b>		
<b>Master cylinder make:</b>	Lockheed	<b>Type:</b> Single
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	No	
<b>Comments:</b>	Dual/Tandem Master Cylinders and/or Servo permitted. Refer Group Na regulations for permitted modifications.	

## SECTION 2 - ENGINE

### 2.1 ENGINE

<b>Make:</b>	Simca	<b>Configuration:</b>	In Line
<b>Model:</b>	Flash	<b>Two/Four Stroke:</b>	4 Stroke
<b>No. cylinders:</b>	4	<b>Max. allowed:</b>	75.5mm
<b>Cylinder Block-material:</b>	Cast Iron	<b>Max. allowed:</b>	75mm
<b>Bore - Original:</b>	74mm	<b>Max. allowed:</b>	1342cc
<b>Stroke - original:</b>	75mm		
<b>Capacity - original:</b>	1292cc		
<b>Cooling method:</b>	Water		
<b>Identifying marks:</b>			

**Comments:** Refer Group Na regulations for permitted modifications.

### 2.2 CYLINDER HEAD

<b>Make:</b>	Simca	<b>Inlet:</b>	1	<b>Exhaust:</b>	1
<b>No. of valves/cylinder-</b>	2	<b>Inlet:</b>	2	<b>Exhaust:</b>	3
<b>No. of ports total:</b>	5	<b>Location:</b>	Block	<b>Drive:</b>	Chain
<b>No. of camshafts:</b>	1				
<b>Valve actuation:</b>	Pushrod				
<b>Spark plugs/cylinder:</b>	1				
<b>Identifying marks:</b>					

**Comments:** Refer Group Na regulations for permitted modifications

### 2.3 LUBRICATION

<b>Method ((Wet/Dry Sump):</b>	Wet Sump	<b>Oil tank location:</b>	
<b>Dry sump pump type:</b>		<b>Location (If Appl.):</b>	
<b>Oil cooler standard (Yes/No):</b>	No	<b>Location (If Appl.):</b>	
<b>Comments:</b>	Oil Cooler permitted. Refer Group Na regulations for permitted modifications		

### 2.4 IGNITION

<b>Type:</b>	Coil & Distributor
<b>Make:</b>	SEV
<b>Comments:</b>	Refer Group Na regulations for permitted modifications.

### 2.5 FUEL FEED (Induction)

<b>Carburettor/s :</b>		<b>Fuel Inj'n :</b>	
<b>Make :</b>	Solex	<b>Make :</b>	
<b>Type/Model :</b>	Downdraught PBIC	<b>Type/Model :</b>	
<b>No. Fitted :</b>	1	<b>S/Charged (Yes/No):</b>	
<b>Size :</b>	32mm	<b>Make (If Applic.):</b>	
<b>Comments:</b>	Multiple carburettors permitted. Refer Group Na regulations.		

## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Simca                      **Type:** Dry Plate                      **Diameter:** 203mm  
**No. of Plates:** 1  
**Method of Actuation :** Mechanical  
**Comments** Refer Group Na regulations for permitted modifications

### 3.2 TRANSMISSION

**Type:** 4 Speed Synchronesh  
**Make:** Simca                      **Model:**  
**No. forward speeds:** 4                      **Gearbox location:** Behind Gearbox  
**Gearchange type and location:** Column\*  
**Case material:** Aluminium Alloy                      **Identifying marks:**  
**Comments:** Ratios free. Refer Group Na regulations for permitted modifications. \* Floor change optional.

### 3.3 FINAL DRIVE

**Make:** Simca                      **Model :** Aronde  
**F/R/All Wheel Drive:** Rear  
**Ratios:** Various  
**Differential Type :** Hypoid Bevel                      **Make:** Simca  
**Comments:** Limited Slip Differential permitted. Refer Group Na regulations for permitted modifications.

### 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** 1                      **Location:** Gearbox to Final Drive  
**Description:** Tailshaft  
**Comments:**

### 3.5 WHEELS & TYRES

<b>Wheel type:</b>	<b>Original:</b> Pressed Steel	<b>Material:</b>	<b>Original:</b> Steel	
	<b>Allowed:</b> Steel or Period Alloy		<b>Allowed:</b> Steel or Alloy	
<b>Fixture method:</b>	Bolt On	<b>No. studs:</b>	4	
	<b>FRONT</b>		<b>REAR</b>	
<b>Wheel dia. &amp; rim width</b>				
	<b>Original:</b> 4 x 14		4 x 14	
	<b>Allowed:</b> 5 x 14 or 15		5 x 14 or 15	
<b>Tyre Section</b>				
	<b>Allowed:</b>			
<b>Min. Asp.Ratio Allowed :</b>	65%		65%	
<b>Comments:</b>	Refer Group Na regulations for permitted modifications			

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

**Tank Location:** Rear **Capacity:** 40 Litres  
**Fuel pump, type and location:** Mechanical **Make:** SEV  
**Comments:** Refer Group Na regulations for permitted modifications.

### 4.2 ELECTRICAL SYSTEM

**Voltage:** 12 **Dynamo/Alternator fitted:**  
**Battery Location:** Engine Bay **Dynamo**  
**Comments:** Refer Group Na regulations for permitted modifications..

### 4.3 BODYWORK

**Type:** 4 Door Saloon **Material:** Steel  
**No. of seats:** 4 **No. doors:** 4  
**Comments:**

### 4.4 DIMENSIONS

**Track - Front:** 1255mm **Rear:** 1250mm  
**Wheelbase:** 2443mm **Overall length:** 4115mm  
**Dry weight:** 850kg  
**Comments:**

### 4.5 SAFETY EQUIPMENT

**Fire extinguisher -required:** Refer Schedule H  
**Seat belt- required:** Refer Schedule I  
**Rollbar -required:** Refer Schedule J & General Regulations  
**Electrical cut off switch- required:**  
**Safety fuel tank- optional**

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