

lama
SA 315B



Lama SA315B

Aerospatiale superiority in a hot day, high altitude sling machine

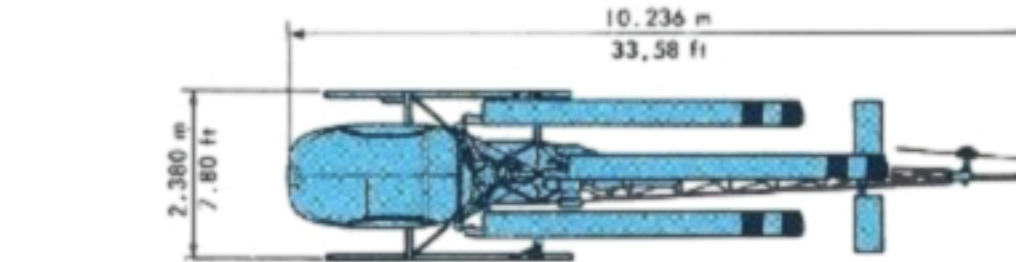


The unbeatable Lama – a hybrid utilizing a modified Alouette 2 airframe with the engine and dynamic components of the Alouette 3. The rugged, powerful Lama provides a 2,500 pound sling load capability, more than any other single-engine helicopter.

With its 858 horsepower engine, the Lama provides the extra margin of reserve power that operators need at altitude and on hot days. For example, the Lama can take off from altitudes of 16,000 feet and operate up to 20,000 feet with three men on board and enough fuel for 3.5 hours. Brilliant performance at altitude puts Lama in a class by itself, giving it the flexibility and versatility of a much larger helicopter when the flying is high and hot.

RELIABLE ARTOUSTE POWER

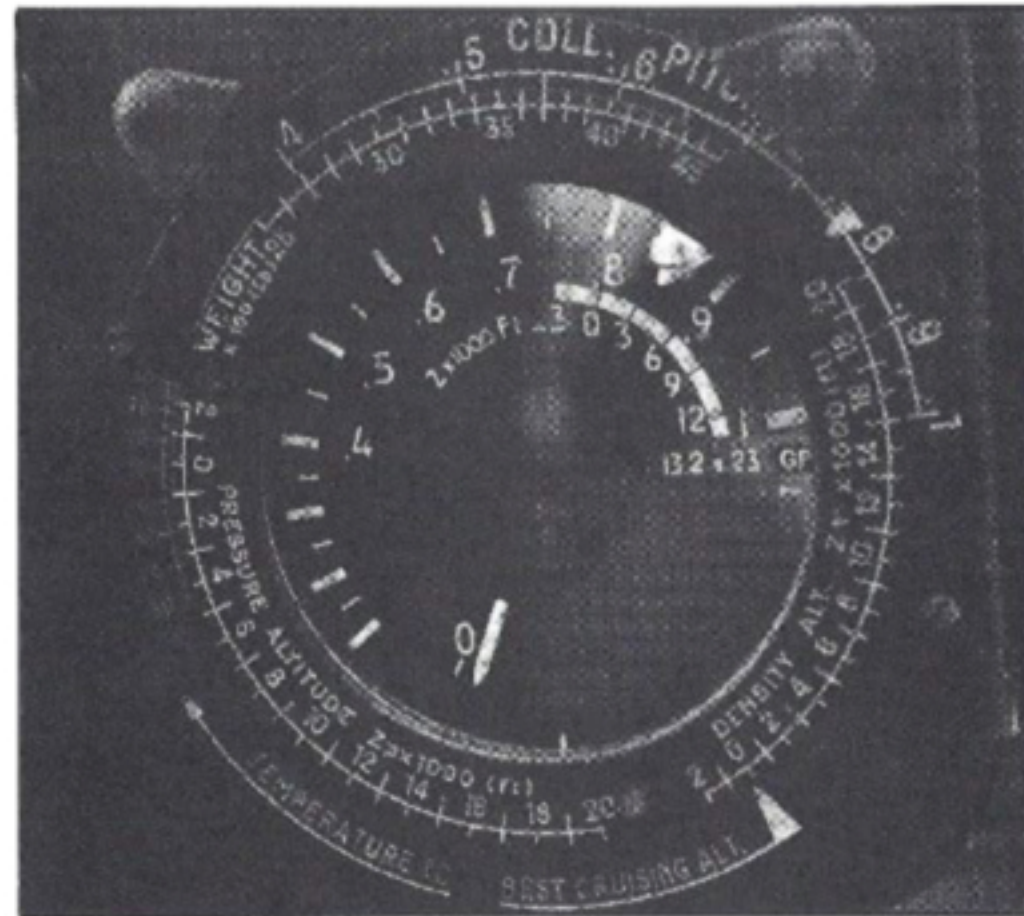
Many years of world-wide operating experience has established an unequalled safety record for the Turbomeca Artouste IIIB turbine engine. This rugged, powerful engine develops 858 hp and is derated to 562 shp, providing reverse power for safe, efficient operation with high useful loads through an extremely wide range of atmospheric conditions. Full horsepower is maintained up to 14,800 feet in standard atmosphere or up to 140°F at sea level.



LOW MAINTENANCE, HIGH ECONOMY

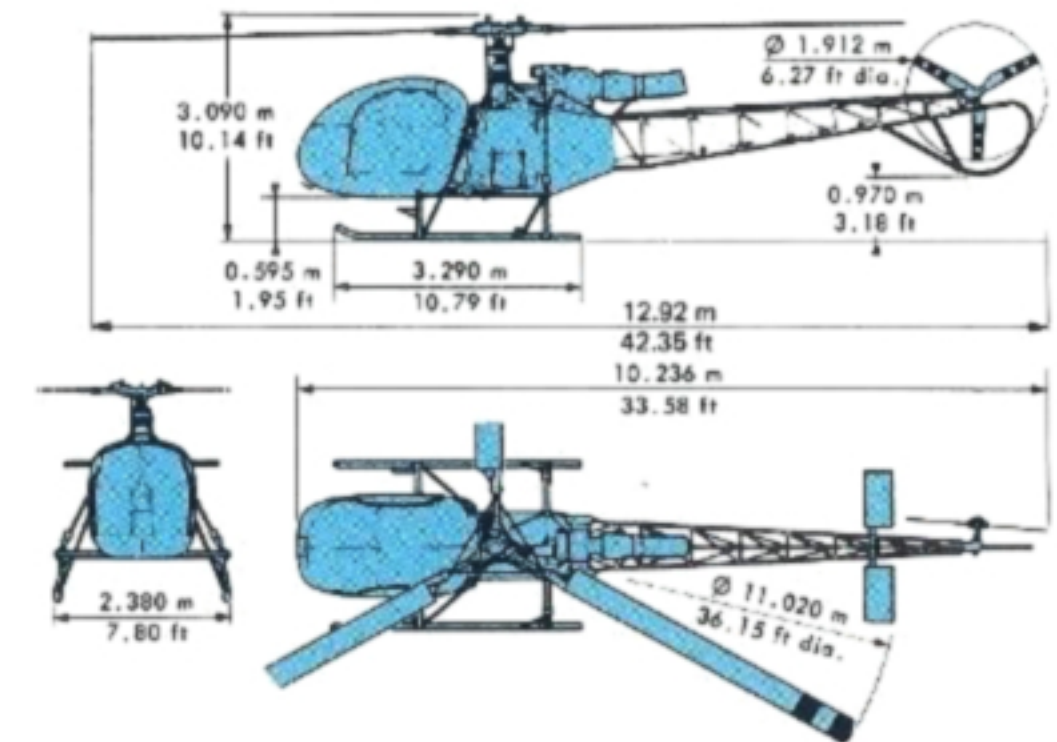
Maintenance is low. Daily, unscheduled, periodic and the 2,400 hour airframe overhaul require less than 1/2 man-hour per flying hour.

Overhaul intervals are extended. Airframe 2,400 hours. Engine 2,500 hours.



SIMPLIFIED OPERATION – COMPUTER SAFETY

The Lama has reduced pilot tasks to a minimum . . . starting is quick and automatically controlled and control handling is simplified because the power system's design eliminates the need for a throttle on the collective lever. This power system – a constant speed, single shaft, fixed turbine – permits a direct correlation between power and collective pitch and thus a definite means of power determination . . . the power computer. By just one setting on this unique computer, the flight calculations for density altitude, power, maximum hover gross weight, and best cruising altitude can be determined prior to lift-off to ensure greater safety during flight.



SA 315B LAMA PROFILE

Standard Configuration Empty Weight Including	
Engine Oil, lbs.	2,266
Useful Load, lbs.	2,034
Maximum Gross Weight, lbs.	4,300
PERFORMANCE — Sea Level, Standard Conditions at Maximum Gross Weight.	
Maximum Speed (Vne), mph	130
Maximum Cruise Speed, mph	119
Economical Cruise Speed, mph	119
Range with Standard Fuel,	
No Reserve, st. mi.	320
Hover Ceiling, IGE, ft.	16,565
Hover Ceiling, OGE, ft.	15,100
Maximum Rate of Climb, ft./mi.	1,083
Service Ceiling, ft.	17,720
Maximum External Load @ 5,071 lb. External Gross Weight, lbs.	2,500

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SETS PERFORMANCE STANDARDS