



SA 315 B LAMA

Aerospatiale Helicopter Corporation
SETS PERFORMANCE STANDARDS

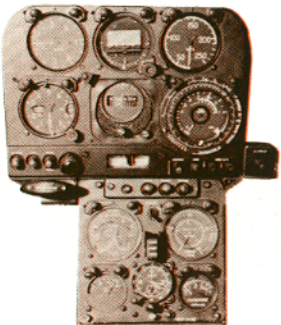


the super sling / high altitude machine



The revolutionary design of the Lama — a combination of the modified airframe of an Alouette II and the engine and dynamic components of the Alouette III. This is the only 5-place light helicopter in the world with a sling load capability of 2,500 pounds.

It is also designed for high altitude operation — 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 3½ hours.

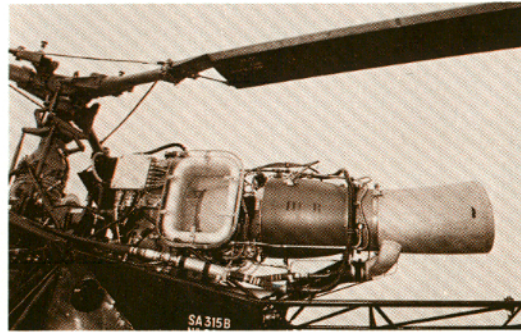


SIMPLIFIED OPERATION — COMPUTER SAFETY

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.

RELIABLE ARTOUSTE POWER

Many years of world-wide operating experience has established an unequalled safety record for the Artouste III B turbine engine. This rugged, powerful engine develops 858 hp and is derated to 562 shp, thus providing reserve power for safe, efficient operation with high useful loads through an extremely wide range of atmospheric conditions.

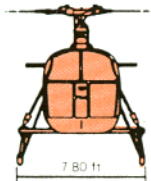
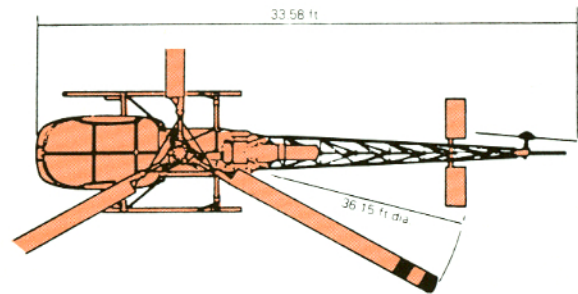
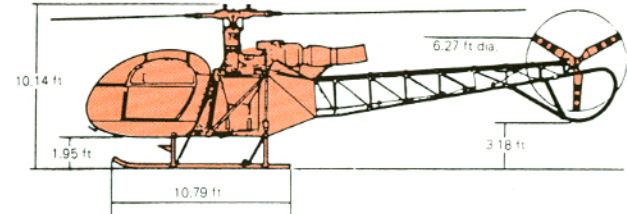


LOW MAINTENANCE AND ECONOMY

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

Servicing is easy. The Lama is engineered with the commercial operator in mind, using large, easy to read sight gauges for fluid checks and centralized lubrication points on all dynamic components.

Overhaul intervals are extended. Airframe 1,400 hours. Engine 1,500 hours.



PERFORMANCE

Sea Level Standard Conditions

		Internal		External	
		Average	Maximum	Average	Maximum
At Gross Weight	lb	3,310	4,300	4,200	5,070
Empty Weight	lb	2,216	2,216	2,216	2,216
Useful Load	lb	1,094	2,084	1,984	2,854
Sling Load (max)	lb				2,500
Cruise Speed	mph	118	118	55-75	55-75
Top Speed, V _{ne}	mph	130	130	—	—
Usable Fuel	US gal	146	146	46	46
Service Ceiling	ft	(23,000)	17,710	18,370	10,800
HIGE Ceiling	ft	(23,000)	16,730	17,600	9,220
HOGC Ceiling	ft	(23,000)	15,170	16,100	5,000
Rate of Climb, SL	fpm	1,580	1,080	1,120	730
Max. Range, SL	mi	308	308	31*	31*

() Maximum certified altitude — 23,000 ft

- Mission radius — includes: 10 minutes fuel reserve
3 minutes SL Hover
Return with no load

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