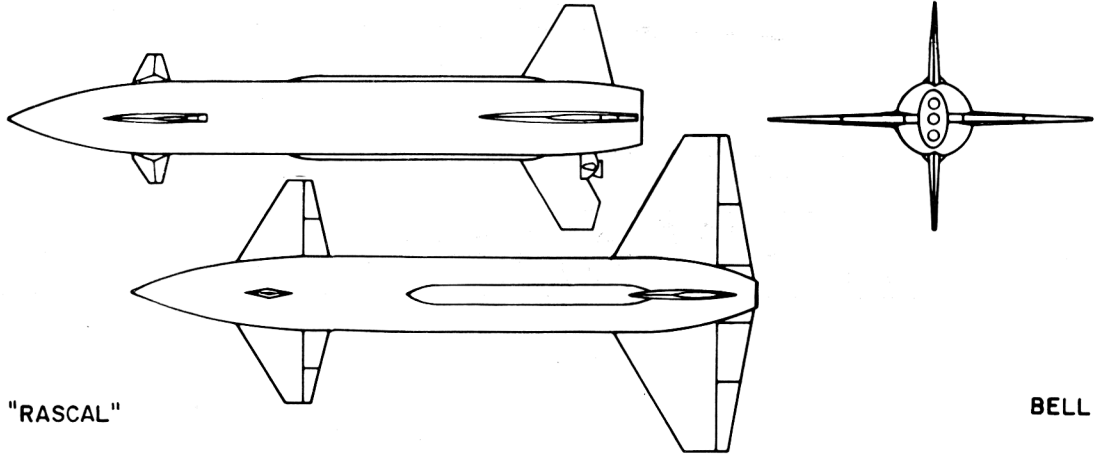


14  
RASCAL  
GAM-63A

*Critical Issues*

# Characteristics Summary

GUIDED AIRCRAFT MISSILE ..... GAM-63A



Wing Area ..... 114.65 sq ft      Length ..... 32.0 ft

Span (Fin) ..... 16.7 ft      Height ..... 12.5 ft

## AVAILABILITY

## PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

## STATUS

- Final R & D Flight Test: 31 Oct 57
- UOET and E & ST (ground and flight) programs are underway and are being conducted thru the joint efforts of SAC and APGC

Navy Equivalent: None

Mfr's Model: 66

## POWER PLANT

SUSTAINER  
(1) LR 67-BA-9  
Bell Aircraft Co.

THRUST RATINGS  
S.L.S. LB    Duration (sec)  
Max: 3480 (ea)    145  
Altitude (40,000 ft)  
Max: \*4000 (ea)    135

\*NOTE: Three thrust chambers operate during 2 minute boost period.

## FEATURES

Canard Cruciform Arrangement

Launched from DB-47

Wings are of Multiple-rib Tapered Skin Construction

Max fuel cap: 287 gal  
Max Oxidizer cap: 586 gal

## GUIDANCE

Servo pilot - 3 axis stabilization responds to guidance commands in pitch and azimuth

Inertial Range Computing System - computes range-to-go, Primary range guidance

Relay and Command System - secondary correcting guidance thru command link search radar stabilized.

*Classification cancelled or changed to Unclassified*  
*AUTH: AFSG-AT-FC The class Guide / Jmbel*  
*By: C. P. Johnson, Captain DoD Dir 5200.10*  
*Signature and Grade*  
*23 Jul 1967 - 30 July 78*

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~~SECRET~~

GAM-63A

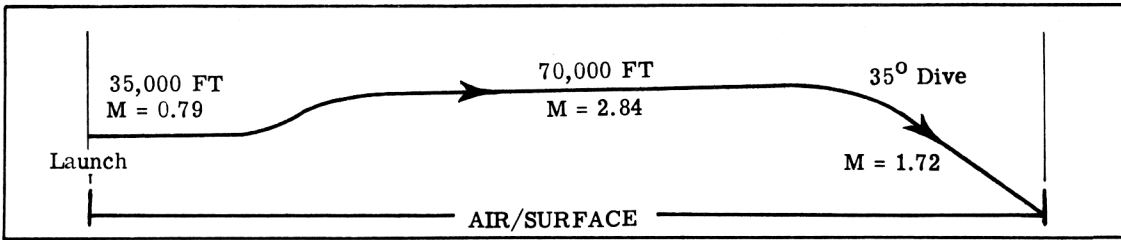
*Black Book 5th ed addendum in 4*

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*Characteristics Summary Basic Mission* . . . . . **GAM-63 A**



<b>P E R F O R M A N C E</b>		
<b>ENDURANCE</b>	<b>RANGE</b>	<b>S P E E D</b>
327 seconds	<b>90</b> naut mi. with 3000 lb payload in 327 seconds	MAX <b>2.84</b> Mach at 70,000 ft alt,
<b>LAUNCHING</b>	<b>CLIMB</b>	<b>ALTITUDE</b>
Dropped externally from DB-47	NOT APPLICABLE	Launch 35,000 ft Cruise 70,000 ft
<b>L O A D</b>	<b>W E I G H T S</b>	<b>T A R G E T A C C U R A C Y</b>
Prime Warhead 2810 lb Fuel: 287 gal Oxidizer: 586 gal	Empty 5857 lb Launch 18,169 lb	(a) Surface target: *CEP = 1500 ft (b) Air burst: *CEP = 1500 ft Vertical standard deviation = 405 ft *Circular error probable

<b>N O T E S</b>
1. PERFORMANCE BASIS: (a) Estimated data.  2. REVISION BASIS : Initial issue