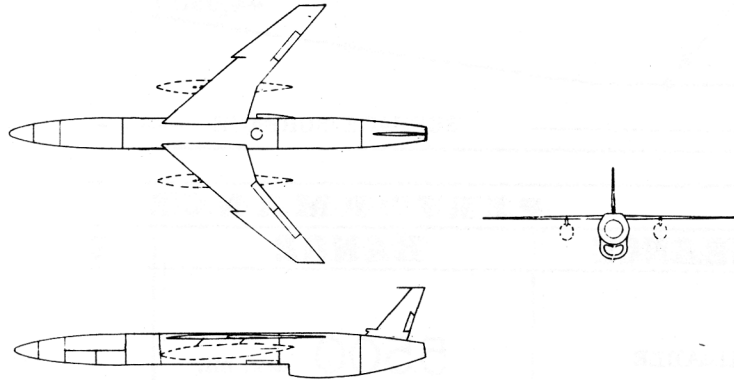


Characteristics Summary

STRATEGIC MISSILE SM-62



"SNARK"

NORTHROP

Wing Area 366.4 sq ft Length 67.2 ft
Span 42.2 ft Height 14.7 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. Design Initiated (ACN): Mar 46
2. Design Initiated (XSSM-A-3): Jan 47
3. Design Initiated (XSSM-A-3A): Jun 50
4. First Flight (XSSM-A-3): Mar 51
5. First Flight (XSSM-A-3A): Aug 53
6. Completion of R&D: (est) Jul 57
7. Availability of Standard Article: (est) Jul 58

Navy Equivalent: None

Mfr's Model: N-69E

POWER PLANT

J57-P-17
Pratt & Whitney

ENGINE RATINGS

S.L.S. LB - RPM - MIN
Max: 10,500 - *6150/9900-5
Mil: 10,500 - 6150/9900-30
Nor: 9000 - 5900/9650-Cont

*Low spool/high spool

BOOSTER

No. & Model
. (2) X-226-A3 Solid Rockets
Mfr . . Allegany Ball. Lab
Thrust (lb) 130,000
Duration (sec) 4

FEATURES

Swept, High Aspect Ratio Wing

Single Fin Vertical Tail

External Fuel Tanks

Elevons

Day and Night ACN Guidance System

Ballistic Nose Delivery for Warhead

Max Fuel Cap: . . . 3758 gal

GUIDANCE

Initial Inertial

Mid-Course
Auto. Celestial
Radar

Terminal None*
* Ballistic release of nose section.

CONTROL

N-80 Auto-pilot

*Delete d: #KED; Add N-24
24 Apr 57*

Unclassified

Confidential

Classification cancelled or changed to ~~Confidential~~

DOD Dir 5200.10

11 Jun 68

23 Feb 1967

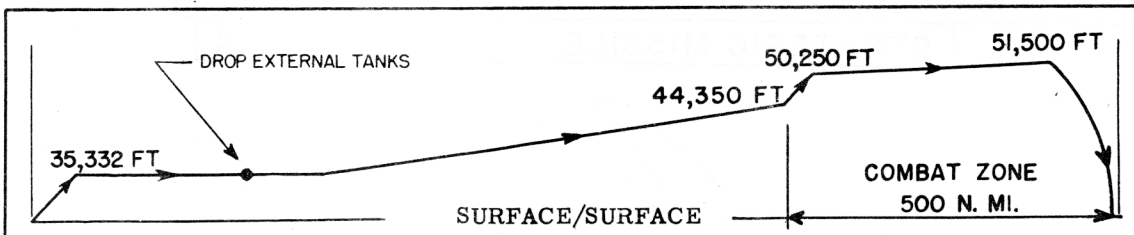
Signature and Grade

*AUTH: AFSG AFSC Class Guide
By A.R. Tomelson Tsgt/Avn*

4th Ed addn #9

CG/Snark SM-62/char

Characteristics Summary Basic Mission SM-62



P E R F O R M A N C E		
ENDURANCE	RANGE	S P E E D
NOT AVAILABLE	5500 naut mi. with 6050 lb payload at 518 knots avg. in 10.7 hours	MAX 524 knots at 51,500 ft alt, max power
LAUNCHING	CLIMB	ALTITUDE
Booster ground launched from S.L. to 300 ft. Speed at booster separation 297 knots. PREPARATION & LAUNCH TIME 3 1/2 hours from the "Alert" condition.	2940 fpm sea level, launching wt., max power NOT AVAILABLE fpm ft alt, begin cruise wt., max power	Begin Cruise 35,332 ft. End Cruise 51,500 ft.
L O A D	W E I G H T S	T A R G E T A C C U R A C Y
Warhead: 6050 lb Fuel: 3758 gal protected 0 % droppable 16 % external 16 %	Empty 17,054 lb End Cruise 23,279 lb Booster 10,436 lb Launch 59,936 lb	50% hits within 2 nautical miles of target.

- ### N O T E S
1. Performance Basis:
 (a) Estimated data based on wind tunnel tests and J57-P-1 engine ratings.
 2. Revision Basis: Added item under Features and Guidance blocks to reflect concept of ballistic release of nose during terminal phase of flight.