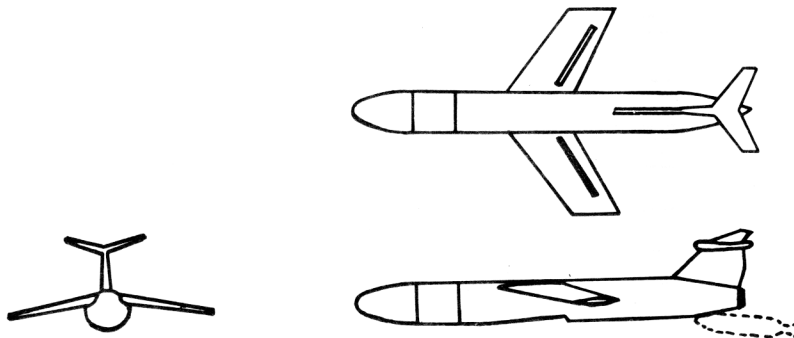


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C6
Mace/Char
SERVICE

Characteristics Summary

TACTICAL MISSILE CGM-13B (TM-76B)



MACE

MARTIN

Wing Area 151.5 sq ft Length 44.2 ft
 Span 22.9 ft Height 9.7 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

- | | |
|--|---|
| 1. First inertial Guidance Flight
(YCGM-13C) 6 Feb 58 | 3. Final R & D Flight (YCGM-13C) Apr 61 |
| 2. First Production Delivery (CGM-13C)
. Nov 60 | 4. First Deployment (CGM-13C) Sep 61 |
| | 5. CGM-13C (TM-76B) redesignated
CGM-13B (TM-76B). |

Navy Equivalent: None

Mfr's Model:

POWER PLANT

FEATURES

ARMAMENT

(1) J33-A-41
 ALLISON
 ENGINE RATINGS

SLS	LB	RPM	MIN
			(In flight)
Max:	5200	- 12,150	- 150

 BOOSTER
 Nr & Model (1)M16E3
 Mfr Thiokol
 Thrust (lb) *101,152
 Duration (sec) 2.67
 *Nominal (70°F)

High level, low level or high-low level combination capabilities
 Up to 4 off-course deviations
 Up to 20 altitude changes during altitude programming
 Non-emanating, non-jammable inertial guidance
 Finger type spoilers for lateral control
 All movable stabilizer for pitch control
 Honeycomb wing and tail construction
 Launched from zero length launcher in the hardened site
 Termination by pull-up, push-over, or ballistic dive
 Max Fuel Cap: 1029 gal

Type	Weight
MK-28	1675 ± 50 lbs

- I. G. system for low level air burst
- Impact crystals for air-burst back up or as a primary option

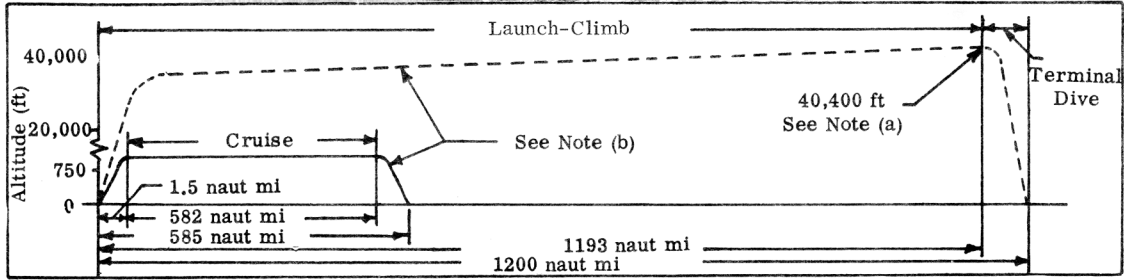
DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

2mm 1/11/80

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Characteristics Summary Basic Mission CGM-13B (TM-76B)



P E R F O R M A N C E		
ENDURANCE	RANGE	S P E E D
HIGH ALTITUDE 1200 naut mi at 480 kn avg in 2.5 hr avg	LOW ALTITUDE 585 naut mi at 503 kn avg in 1.16 hr avg	CRUISE 503 knots at 11,280 rpm (96%) See Note (d)
LAUNCHING	CLIMB	ALTITUDE
Zero length launched from hardened site, RATO booster is used for additional thrust.	See Note (b) 3380 fpm minimum at Sea Level 2200 fpm at Sea Level	see note (b) 40,400 ft at Dump Begin Cruise 750 ft End Cruise 750 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
Fuel: 1029 gal protected 0 % droppable 0 % external 0 %	Empty 9046 lb Launch 18,710 lb See Note (c)	SYSTEM CEP CEP .70 NM (600 NM)* CEP 1.20 NM (900 NM) CEP 2.00 NM (1200 NM) *System CEP as an interval estimate with 95% confidence in between .515 NM & 1.658 NM

- N O T E S**
1. Performance Basis:
 - (a) Missile is detonated by airburst or upon impact
 - (b) MACE is capable of two basic missions: data appearing in upper blocks pertain to high altitude mission while lower block data pertain to low altitude mission.
 - (c) Includes weight of booster rocket (charge and sling).
 - (d) For altitude programming flights engine rpm is increased. Airspeed will vary.
 2. Revision Basis: Data reCOORDINATED. (WRAMA) To reflect security classification change to Confidential and to show CGM-13B(TM-76B) model designation in place of CGM-13C(TM-76B).

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