Characteristics Summary

AIR-TO-SURFACE ............... AGM-28B

"HOUND DOG" (U) 
NORTH AMERICAN

Wing Area .................. 81.95 sq ft 
Length ...................... 42.5 ft (U)

Span ......................... 12.2 ft 
Height ...................... 9.4 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

STATUS

1. Program initiated .......... Mar 59
2. Mockup completion .......... Oct 59
3. Completion of first article .... Sep 60
4. First flight ............... May 61
5. In production .............. Jun 61
6. CAT I Testing complete .... Feb 62
7. Production complete ....... Mar 63
8. Follow-On test complete .... Oct 63

Navy Equivalent: None
Mfr's Model: A8-1

POWER PLANT

1. J52-P-3 Pratt & Whitney

ENGINE RATINGS

<table>
<thead>
<tr>
<th>LB</th>
<th>MIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea Level Static</td>
<td>7500-9600/11,200</td>
</tr>
<tr>
<td><strong>MC</strong></td>
<td>3450-7800/10,000</td>
</tr>
</tbody>
</table>

Mach = .85 @ Sea Level
*Mach = 2.2 @ 55,000 ft
Max = 2490-10,250/12,400-30

*Max rated power for free flight only
**MC Max Continuous

FEATURES

Same as the basic AGM-28A plus the following:
1. Radar Altimeter (Improved Low-Level capability)
2. Improved Astrotracker (Includes twilight capability)
3. Increased fuel capacity

GUIDANCE

Autonavigator .... NAA N5G
Flight Control Sys .. NAA P54A

ACCURACY

CEP = 3600 ft at 350 n. mi or 5800 ft at 600 n. mi
Max Fuel Cap ...... 337 gal
## Performance

<table>
<thead>
<tr>
<th>Mission</th>
<th>Launch</th>
<th>Cruise</th>
<th>Range (nominal)</th>
<th>Flight Time</th>
<th>Dive Initiate</th>
<th>Impact Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design (Hi-Hi)</td>
<td>45,000 Ft</td>
<td>.85 Mach</td>
<td>56,200 Ft</td>
<td>2.01 Mach</td>
<td>683 Mi</td>
<td>37.6 Min</td>
</tr>
<tr>
<td>Alternate I (Hi-Lo)</td>
<td>45,000 Ft</td>
<td>.85 Mach</td>
<td>200 to 1500 Ft</td>
<td>.83 Mach</td>
<td>378 Mi</td>
<td>41.3 Min</td>
</tr>
<tr>
<td>Alternate II (Lo-Hi)</td>
<td>2000 Ft (Min)</td>
<td>.60 Mach</td>
<td>56,200 Ft</td>
<td>2.01 Mach</td>
<td>638 Mi</td>
<td>35.3 Min</td>
</tr>
<tr>
<td>Alternate III (Lo-Lo)</td>
<td>2000 Ft (Min)</td>
<td>.60 Mach</td>
<td>200 to 1500 Ft</td>
<td>.83 Mach</td>
<td>366 Mi</td>
<td>40.0 Min</td>
</tr>
</tbody>
</table>

### Range

<table>
<thead>
<tr>
<th>Range</th>
<th>Fit Time</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>652</td>
<td>332</td>
<td>607</td>
<td>340</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35.6</td>
<td>38.9</td>
<td>33.2</td>
<td>37.3</td>
</tr>
</tbody>
</table>

*99% T.O. Planning (applicable to 99% of all launched)

## Load Weights

<table>
<thead>
<tr>
<th>Anhydrous Ammonia:</th>
<th>Total</th>
<th>30 lb</th>
<th>Empty</th>
<th>6077 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Usable</td>
<td>26 lb</td>
<td>End Cruise</td>
<td>7926 lb</td>
</tr>
<tr>
<td>JP-4:</td>
<td>Total</td>
<td>2255 lb</td>
<td>Launch</td>
<td>10,147 lb</td>
</tr>
<tr>
<td></td>
<td>Usable</td>
<td>2195 lb</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Warhead

- Special Store: MK-28
- Weight: 6675 lb
- Length: 60 in.
- Diameter: 20 in.
- Arming and Fuzing System: Barometric with impact backup system (Hi Cruise)
- Autonavigator signals (Lo Cruise)

## Notes

1. Performance Basis:
   (a) All performance is for the ARDC standard atmosphere.
   (b) Hi - Hi = Hi Launch, Hi Cruise; Lo - Lo = Low Launch, Lo Cruise, etc.

2. Revision Basis: To reflect security classification in compliance with F.O. 11652.