## Characteristics Summary

**AIR-TO-SURFACE**  
**AGM-28A**

**"HOUND DOG"**

<table>
<thead>
<tr>
<th>Wing Area</th>
<th>81.95 sq ft</th>
<th>Length</th>
<th>42.5 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>12.2 ft</td>
<td>Height</td>
<td>9.4 ft</td>
</tr>
</tbody>
</table>

### AVAILABILITY

<table>
<thead>
<tr>
<th>TEST</th>
<th>INVENTORY</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

### PROCUREMENT

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### STATUS

1. Program initiated  
   Aug 57

2. Mockup completion  
   Jan 58

3. Completion of first article  
   Dec 58

4. First flight  
   Apr 59

5. First flight (with autonavigator operating)  
   Aug 59

6. First Prod. Del. to SAC  
   Dec 59

7. In production  
   Jan 60

8. Out of production  
   Aug 61

9. CAT I/II Testing completed  
   Oct 61

**Mfr's Model: AS-1**

### POWER PLANT

1 J52-P-3  
Pratt & Whitney

**ENGINE RATINGS**

<table>
<thead>
<tr>
<th>LB-RPM</th>
<th>MIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea Level Static</td>
<td>T.O. 7500-9600 / 11,200-5</td>
</tr>
<tr>
<td><strong>MC</strong> 3450-7860 / 10,000-Cont</td>
<td></td>
</tr>
<tr>
<td>Mach = .85 @ Sea Level</td>
<td>*Max 2720-8150 / 10,450-30</td>
</tr>
<tr>
<td>Mach = 2.2 @ 55,000 ft</td>
<td>Max 2490-10,200 / 12,400-30</td>
</tr>
</tbody>
</table>

*Max rated power for free flight only

**MC** Max Continuous

### FEATURES

- Canard configuration with all-movable elevator
- Positionable multishock diffuser centerbody
- Integral fuel tank
- Flap-type ailerons and rudder
- All-weather inertial navigation and flight control system (N-SG)
- Pod-mounted turbojet engine

### GUIDANCE

- Autonavigator... NAA N5G
- Flight Control Sys. NAA P39B

### ACCURACY

- CEP = 3500 ft at 350 n. mi or 6500 ft at 600 n. mi

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(AFG 1, Addn 102) (49 of 92)
Characteristics Summary Basic Mission

**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></td>
<td>ALT</td>
<td>SPEED</td>
<td>ALT</td>
<td>SPEED</td>
<td>ALT</td>
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<tr>
<td>Design</td>
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<tr>
<td>(Hi-Hi)</td>
<td>45,000</td>
<td>.85</td>
<td>56,800</td>
<td>2.01 Mach</td>
<td>633 Mi</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ft</td>
<td>Mach</td>
<td>Ft</td>
<td>Mach</td>
<td>Min</td>
<td>Ft Mach</td>
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<tr>
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<td>56,800</td>
<td>2.01 Mach</td>
<td>38.9 Min</td>
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<tr>
<td>I (Hi-Lo)</td>
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</tr>
<tr>
<td>45,000</td>
<td>.85</td>
<td>Mach</td>
<td>1000</td>
<td>.83 Mach</td>
<td>348 Mi</td>
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<tr>
<td></td>
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<td>Min</td>
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<td>336 Mi</td>
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<tr>
<td>II (Lo-Hi)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>.60</td>
<td>Mach</td>
<td>56,800</td>
<td>.83 Mach</td>
<td></td>
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<td>Mach</td>
<td></td>
<td>Ft Mach</td>
</tr>
</tbody>
</table>

**Range**

1. 602 33.0
2. 322 35.4
3. 557 30.8
4. 310 34.0

*T.O. planning (applicable to 99% of all launches)*

**LOAD**

- Anhydrous Ammonia
  - Total: 30 lb
  - Usable: 26 lb
- JP-4
  - Total: 2038 lb
  - Usable: 2000 lb

**WEIGHTS**

- Empty: 5919 lb
- End Cruise: 7698 lb
- Launch: 9716 lb

**WARHEAD**

- Special Store: MK-28
- Weight: 1675 lb
- Length: 60 in.
- Diameter: 20 in.
- Arming and Fusing 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, Low Cruise, etc.

2. Revision Basis: To reflect security classification by block content.

AGM-28A

Jun 72

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