Characteristics Summary

DIRECTOR DB-36H(II)

CONSOLIDATED-VULTEE

Wing Area .................... 4772 sq ft Length .................... 182.1 ft
Span ............................ 230.0 ft Height .................... 46.8 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. Major differences of the DB-36H from the B-36H are fairings in lieu of aft bomb bay doors, removal of all bomb racks, and the installation of GAM-63 supporting structures, release mechanism, and guidance equipment in the bomb bays.
2. First Flight Prototype with GAM-63: Jul 53
3. First Delivery: Mar 56 (est)
4. Production Completion: Aug 56 (est)
Navy Equivalent: None

POWER PLANT

(6) R-4360-53
Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT - MIN

T.O: *3800 - 2800 - SL - 5
Mil: *3800 - 2800 - Turbo - 30
Nor: 2800 - 2800 - Turbo - *Wet Cont

plus

(4) J47-GE-19
General Electric

S.L. LB - RPM - MIN
Max: 5200 - 7950 - 5
Mil: 5200 - 7950 - 30
Nor: 4730 - 7630 - Cont

FEATURES

Crew .................... 15
Cabin Pressurization
Thermal Anti-icing
K-3A Bomb-Nav. System
AN/APG-41A Gun-Laying Radar
Chaff Dispenser
DB-36H/GAM-63 Guidance Equipment
Loran
Convertibility to Bomber
Configuration
Defensive ECM
Single-Point Fueling
Fuel Tank Purging
Removable Jet Pods
Max Fuel Cap: 30,630 gal

ARMAMENT

Turrets .................... 8
Guns . .16x20mm(M24A1)
Ammunition (tot..) .9,200 rds
BOMBS:
No. .Class(lb)
GAM-63 Pilotless Aircraft
Gross Weight ........ 18,200
Warhead ............ 3000

For additional characteristics and performance data for GAM-63, see "GAM-63 Standard Aircraft Characteristics Summary"

1 OCT 55

57WC4983
# Characteristics Summary Basic Mission DB-36H(II)

## Performance

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Ferry Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2560 naut. mi with 19,608 lb payload</td>
<td>6555 naut. mi with 29,866 gal fuel</td>
<td>COMBAT 361 knots at 39,900 ft alt, max power</td>
</tr>
<tr>
<td>at 202 knots avg. in 24.04 hours.</td>
<td>at 192 knots avg. in 34.2 hours</td>
<td>MAX 363 knots at 37,500 ft alt, max power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BASIC 362 knots at 25,000 ft alt, max power</td>
</tr>
</tbody>
</table>

## Climb Ceiling Take-Off

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>930 fpm sea level, take-off weight normal power</td>
<td>32,750 ft 100 fpm, take-off weight normal power</td>
</tr>
<tr>
<td>2160 fpm sea level, combat weight maximum power</td>
<td>40,600 ft 500 fpm, combat weight maximum power</td>
</tr>
</tbody>
</table>

## Load Weights Stalling Speed

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
<th>Stalling Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAM-63</td>
<td>18,200 lb</td>
<td>107 knots power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>Chaff</td>
<td>1468 lb</td>
<td></td>
</tr>
<tr>
<td>Ammunition (tot)</td>
<td>9200 rds/20 mm</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>26,598 gal</td>
<td></td>
</tr>
<tr>
<td>protected (part)</td>
<td>47.0 %</td>
<td></td>
</tr>
<tr>
<td>droppable</td>
<td>0 %</td>
<td></td>
</tr>
<tr>
<td>external</td>
<td>0 %</td>
<td></td>
</tr>
<tr>
<td>Empty...</td>
<td>170,512 lb</td>
<td></td>
</tr>
<tr>
<td>Combat...</td>
<td>252,600 lb</td>
<td></td>
</tr>
<tr>
<td>Take-off</td>
<td>370,000 lb</td>
<td></td>
</tr>
<tr>
<td>limited by structure</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Notes

1. Performance Basis:
   (a) Calculations based on flight test of YDB-36H.
   (b) Performance of GAM-63 obtained from "GAM-63 Standard Missile Characteristics", dated 27 Apr 55.
   (c) J47 engines used for take-off, all climbs and cruise above 30,000 ft, 15 minute normal power run-in, evasive action and escape from target.

2. Revision Basis: To reflect latest performance due to weight change.