CHARACTERISTICS SUMMARY

NIGHT ATTACK

DOUGLAS

AD-5N

WING AREA 400 sq.ft.
WING SPAN 50'-0"
LENGTH 40'-0"
HEIGHT 15'-9"

AVAILABILITY

NUMBER AVAILABLE

ACTIVE
RESERVE
TOTAL

PROCUREMENT

NUMBER DELIVERED IN FISCAL YEARS

STATUS

First Flight------------------------August 1952
Service Use-----------------------March 1954

ENGINES

1 W.A.C. R-3350-26WA

BHP/ RPM/ ALT.

T.O. 2700/2900/ S.L.
MIL. 2700/2900/ 3700'
2100/2600/14500'
NORM. 2300/2600/6200'
1900/2600/17000'

FEATURES

Crew - 3
Folding wings
Arresting gear
Catapulting gear
Single dive brake
Aileron boost
980 gals. fuel max.
capacity

ARMAMENT

BASIC MISSION:
1-500 Lb & 6-100 Lb bombs.
AN/AFS -31 Radar
2 MK. 51 wing racks -
2000 lbs. cap. each
3000 lb total cap.

Corp. Line cap. -3600 Lbs
Max. Bomb cap. -7325 Lbs

15 July 1956

AD-5N
### CHARACTERISTICS SUMMARY

**BASIC MISSION**

<table>
<thead>
<tr>
<th>5,000 ft.</th>
<th>5,000 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.L.</td>
<td>Combat Radius</td>
</tr>
</tbody>
</table>

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>205 naut. mi.</td>
<td>575 naut. mi.</td>
<td>263 knots at S.L. ft.</td>
</tr>
<tr>
<td>165 knots avg.</td>
<td>165 knots avg.</td>
<td>280 knots at 15,000 ft.</td>
</tr>
<tr>
<td><em>2.7 hours</em></td>
<td><em>2.7 hours</em></td>
<td>260 knots at 25,000 ft.</td>
</tr>
</tbody>
</table>

*Mission time Basic Mission *

<table>
<thead>
<tr>
<th>CLIMB</th>
<th>CEILING</th>
<th>TAKE OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,640 ft./min.</td>
<td>24,500 ft.</td>
<td>1,200 ft. - calm</td>
</tr>
<tr>
<td>Sea Level, T. O. wt. Normal Power</td>
<td>100 ft./min., T. O. wt. Normal Power</td>
<td>No assist</td>
</tr>
<tr>
<td>2,580 ft./min.</td>
<td>24,300 ft.</td>
<td>600 ft.-25 knot wind</td>
</tr>
<tr>
<td>Sea Level, Combat wt. Military Power</td>
<td>500 ft./min., Combat wt. Military Power</td>
<td>No assist</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD</th>
<th>WEIGHTS</th>
<th>STALLING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel 380 gal.</td>
<td>Empty 12,112 lbs.</td>
<td>89.7 knots</td>
</tr>
<tr>
<td>fixed 380 drop</td>
<td>Combat 18,505 lbs.</td>
<td>Flaps down, T. O. wt.</td>
</tr>
<tr>
<td>Provisions for 600 gals. of droppable fuel.</td>
<td>Take-off 20,517 lbs.</td>
<td>TIME TO CLIMB</td>
</tr>
<tr>
<td>Payload-1100 lbs. Bombs</td>
<td></td>
<td>-- ft. in -- min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Combat Wt., Max. Power</td>
</tr>
</tbody>
</table>

### NOTES

**PERFORMANCE BASIS:** Performance is based on contractor's results of AD series flight tests.

**RANGE AND RADIUS** are based on AD series flight test fuel consumption increased 5%.

Reissue due to availability of contractor's AD-5 flight test data.