CHARACTERISTICS SUMMARY

ASW

HSS-1

DISC AREA 2460 sq. ft.

* LENGTH 37' 0"

ROTOR DIA. 56' 0"

* Rotor & Tail Pylon Folded

HEIGHT 15' 8"

AVAILABILITY

PROCUREMENT

NUMBER AVAILABLE

NUMBER DELIVERED

IN FISCAL YEARS

ACTIVE

RESERVE

TOTAL

STATUS

First Flight .................................. September 1954
Service Use .................................. March 1955

ENGINES

Wright (1) R-1820-84

RATINGS

HP RPM ALT

T.O. 1525 2800 700

MIL. 1425 2700 2400

NORM 1275 2500 3500

FEATURES

Crew ........ 2

Foldable rotor blades and tail pylon

Hydraulic servo control system

ARMAMENT

TORPEDOES AND MINES:

MK 43 MOD 1 ... 2

or

MK 24 ......... 2

Max. Load Capacity

1380 lbs.
CHARACTERISTICS SUMMARY

BASIC MISSION

PERFORMANCE

<table>
<thead>
<tr>
<th>SEARCH ENDURANCE</th>
<th>RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7 hours</td>
<td>227 naut. mi.</td>
<td>123 knots at Sea Level</td>
</tr>
<tr>
<td>84 knots avg.</td>
<td>84 knots avg.</td>
<td>knots at ft.</td>
</tr>
<tr>
<td>Sea Level</td>
<td>Sea Level</td>
<td>Normal Gross Weight Normal Power</td>
</tr>
</tbody>
</table>

FORWARD FLIGHT CLimb

<table>
<thead>
<tr>
<th>FORWARD FLIGHT CLIMB</th>
<th>SERVICE CEILING</th>
<th>HOVERING CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1590 ft./min.</td>
<td>15100 ft.</td>
<td>6700 ft.</td>
</tr>
<tr>
<td>Sea Level, N. G. Wt., Normal Power</td>
<td>100 ft./min., N. G. Wt., Normal Power</td>
<td>N. G. Wt., T.O. Power out of ground effect</td>
</tr>
</tbody>
</table>

LOAD

<table>
<thead>
<tr>
<th>LOAD</th>
<th>WEIGHTS</th>
<th>VERTICAL CLimb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel 1842 lbs.</td>
<td>Empty 8400 lbs.</td>
<td>1440 ft./min.</td>
</tr>
<tr>
<td>Internal 1842 lbs.</td>
<td>Normal Gross 11371 lbs.</td>
<td>Sea Level, N. G. Wt., Take-Off Power</td>
</tr>
<tr>
<td>External --- lbs.</td>
<td>Overload 13300 lbs.</td>
<td></td>
</tr>
<tr>
<td>Payload ---- lbs.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES

Performance basis: NATESTGEN evaluation of the HSS-1
Search Endurance and Range are based upon NATESTGEN fuel consumption data
Reason for reissue: Availability of additional flight test data