CHARACTERISTICS SUMMARY

ASW HELICOPTER
SIKORSKY

HSS-2

DISC AREA 3019 SQ. FT.
LENGTH 56' 9½"
ROTOR DIA. 62' 0"
HEIGHT 16' 8½"

AVAILABLE
NUMBER AVAILABLE
ACTIVE RESERVE TOTAL

PROCUREMENT
NUMBER DELIVERED IN FISCAL YEARS

STATUS

FIRST FLIGHT: APRIL 1959
SERVICE USE: MARCH 1961

ENGINES

(2) T58-GE-6

E SHP RPM ALT
MIL 1050 19555 SL
NORM 900 19555 SL

(TRANSMISSION LIMIT 2000 HP)

FEATURES

CREW - 4
WATER TIGHT HULL FOR DITCHING
DIPPING SONAR
FOLDING TAIL PYLON
AUTO STABILIZATION
ALL WEATHER OPERATION

ARMAMENT

PRIMARY MISSION:
(2) TORPEDOES MK44(MOD.0)
ARMAMENT IN ANY COMBINATION:
(4) MK43(MOD.1) TORPEDOES
(4) MK44(MOD.0) TORPEDOES
(1) MK101(MOD.1) DEPTH BOMB
SPACE PROVISIONS FOR:
(4) MK14(MOD.0) DEPTH CHARGE
(4) MK54(MOD.1) AIR DEPTH BOMB

1 OCT 1981

HSS-2
## CHARACTERISTICS SUMMARY

### BASIC MISSION
- 1000 ft.
- (ASW Search & Attack 2MK 114)

### HSS-2
1. Warm up & Take-Off 3 Min NRP S.S.L.
2. Cruise at 100 KN to Search Area, Commence Dips, Cruise at 100 KN Between Dips. Hover is 50% of Mission Time, Cruise is 50%.
3. Reserve 10% of Initial Load

### PERFORMANCE

<table>
<thead>
<tr>
<th>ENDURANCE</th>
<th>RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.35 hours</td>
<td>500 naut. mi.</td>
<td>133 knots at S.L. ft.</td>
</tr>
<tr>
<td>100 knots avg.</td>
<td>120 knots avg.</td>
<td>knots at ft.</td>
</tr>
<tr>
<td>Sea Level ft. alt.</td>
<td>Sea Level ft. alt.</td>
<td>Normal Gross Weight Normal Power</td>
</tr>
</tbody>
</table>

### FORWARD FLIGHT CLIMB

<table>
<thead>
<tr>
<th>Service Ceiling</th>
<th>Hovering Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>1150 ft./min.</td>
<td>12,100 ft.</td>
</tr>
<tr>
<td>Sea Level, N. G. Wt., Normal Power</td>
<td>N. G. Wt., Maximum Power out of ground effect</td>
</tr>
<tr>
<td>100 ft./min., N. G. Wt., Normal Power</td>
<td>N. G. Wt., Max. Power in ground effect</td>
</tr>
</tbody>
</table>

### LOAD

<table>
<thead>
<tr>
<th>WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel 681 gal.</td>
</tr>
<tr>
<td>Internal 681 gal.</td>
</tr>
<tr>
<td>External gal.</td>
</tr>
<tr>
<td>Payload 882 lbs.</td>
</tr>
</tbody>
</table>

### VERTICAL CLIMB

<table>
<thead>
<tr>
<th>VERTICAL CLIMB</th>
</tr>
</thead>
<tbody>
<tr>
<td>680 ft./min.</td>
</tr>
</tbody>
</table>

### NOTES
- Performance Basis: Calculations, Contractor and NPE Flight Test Data
- Endurance Fuel Consumption Based on Engine Spec. SPC Increased by 5%
- Reason for Reissue: Inclusion of Flight Test Data