**Characteristics Summary**

**HELICOPTER. . . . . . . . . . . . . . . . . . . . . . . H-25A**

"ARMY MULE"

PIASECKI

<table>
<thead>
<tr>
<th>Disc Area (projected)</th>
<th>1670 sq ft</th>
<th>Length (rotors operating)</th>
<th>56.9 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotor Dia</td>
<td>35.0 ft</td>
<td>(rotors static)</td>
<td>48.6 ft</td>
</tr>
<tr>
<td>Height</td>
<td>12.5 ft</td>
<td>(fuselage)</td>
<td>31.9 ft</td>
</tr>
</tbody>
</table>

**AVAILABILITY**

<table>
<thead>
<tr>
<th>Number available</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

**STATUS**

1. Developed by the Navy and procured for the Dept of Army.
2. Letter Contract: Apr 51
3. First Flight: Aug 52
4. First Acceptance: Oct 52
5. Production Completed: Oct 53

Navy Equivalent: HUP-3

**POWER PLANT**

(1) R-975-46
Continental

ENGINE RATINGS
BHP - RPM - ALT - MIN
T.O: 475 - 2350 - SL - 30
Nort: 450 - 2350 - SL - Cont

**FEATURES**

Hydraulic Rescue Hoist
External Cargo Sling
Cargo Tie-down Provisions
Dual Controls
Hydra - Actuated Flight Controls

Max Fuel Capacity: 150 gal

**GENERAL**

Crew (normal) ......... 2
Pilot
Co-pilot or Attendant

Passengers ............ 4
or
Litters ............... 3

Usable Cargo Space ........ 160 cu ft
Cargo Sling (ext) .. 1500 lb
Limit Floor Load ........ 60 lb/sq ft

Mfr's Model: PV-18
### Characteristics Summary Basic Mission

#### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 naut. mi</td>
<td>69 naut. mi</td>
<td>COMBAT 102 (b) knots at 5000 ft alt, nor power</td>
</tr>
<tr>
<td>with 655 lb payload</td>
<td>with 655 lb payload</td>
<td>MAX 105 knots at zero ft alt, max power</td>
</tr>
<tr>
<td>at 81 knots avg.</td>
<td>at 80 knots avg.</td>
<td>BASIC 102 (b) knots at 5000 ft alt, nor power</td>
</tr>
<tr>
<td>in 0.8 hours.</td>
<td>in 0.9 hours</td>
<td></td>
</tr>
</tbody>
</table>

#### CLIMB

- **910 fpm** sea level, take-off weight normal power
- **1490 fpm** sea level, combat weight Take-off power

#### CEILING

- **11,700 ft** 100 fpm, take-off weight normal power
- **13,000 ft** 500 fpm, combat weight normal power

#### TAKE-OFF

- **0 ft** ground run
- **0 ft** no assist
- **assisted** ft over 50 ft height

#### LOAD WEIGHTS

| Cargo: 655 lb |
| Fuel: 39.2 gal |
| protected 0 % |
| droppable 0 % |
| external 0 % |

- Empty..... 3930 lb
- Combat... 4631 lb
- Take-off 5400 lb

**HOVERING CEIL.**

- **9300 ft** combat weight, T.O. power

**VERTICAL CLIMB**

- **370 fpm** sea level, take-off weight T.O. power

### NOTES

1. Performance Basis:
   - (a) USAF Phase IV flight tests.
   - (b) Limited by blade stall.
2. REVISION BASIS: To reflect latest performance and characteristics data.