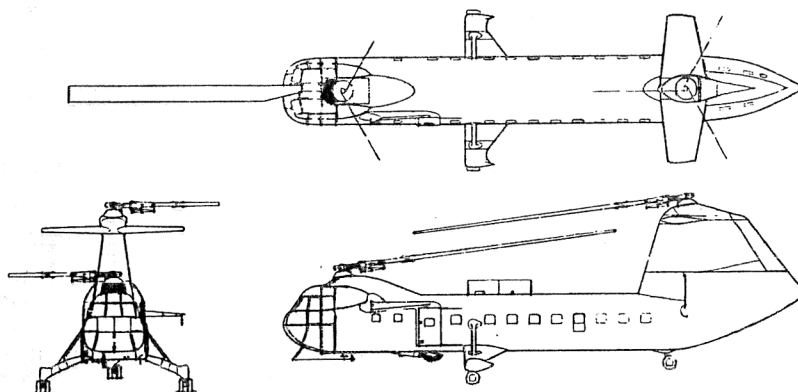


Characteristics Summary

HELICOPTER YH-16A



PIASECKI

| | | | |
|---------------------|--------------|-------------------------------------|----------|
| Disc Area | 10,560 sq ft | Length (rotors operating) | 134.0 ft |
| Rotor Dia | 82.0 ft | (rotors static) | 113.5 ft |
| Height | 25.0 ft | (fuselage) | 77.6 ft |

| AVAILABILITY | | | PROCUREMENT | | | |
|------------------|---------|-------|--|--|--|--|
| Number available | | | Number to be delivered in fiscal years | | | |
| ACTIVE | RESERVE | TOTAL | | | | |
| | | | | | | |

STATUS

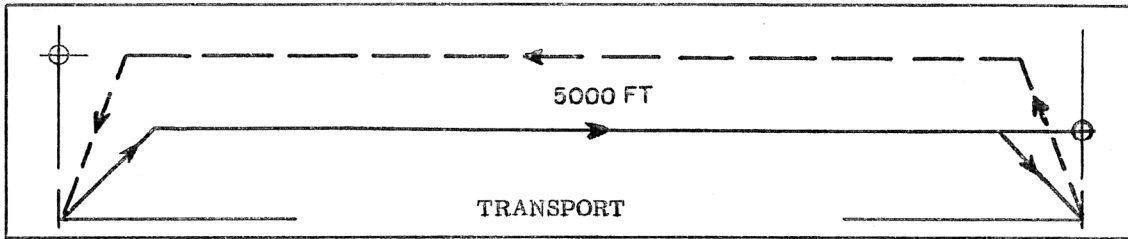
- | | |
|---|-------------------------------|
| 1. Basically the same as the YH-16 except for installation of turbo-prop engines in lieu of reciprocating; and minor changes. | 2. Design Initiated: Jul 51 |
| | 3. Contract Date: Oct 52 |
| | 4. Mock-Up: Apr 53 |
| | 5. First Flight: Sep 54 (est) |

Navy Equivalent: None

Mfr's Model: PH-45

| POWER PLANT | FEATURES | GENERAL |
|-------------------------------|-------------------------------------|--|
| (2)XT38-A-3 Allison | Folding Rotor Blades | Crew (normal) 3 Pilot, Co-Pilot, Crew Chief |
| ENGINE RATINGS | Rescue Hoist (prov) | Troops 25 or |
| SLS SHP - LB - RPM - MIN | Integral Loading Ramp | Litters 24 plus |
| T.O: 1800 -525 - 14,300 - 5 | Hyd. Power Operated Flight Controls | Attendant 1 (Space Available) |
| Mil: 1800 -525 - 14,300 - 30 | Large Unobstructed Cargo Space | Troops 40 or |
| Nor: 1400 500 - 14,300 - Cont | Max Fuel Cap: 700 gal | Litters 32 plus |
| | | Attendants 2 |
| | | Cargo Compartment: Volume (usable).. 2100 cu ft Floor Area 348 sq ft |

Characteristics Summary Basic Mission YH-16A



| PERFORMANCE | | |
|---|---|--|
| COMBAT RADIUS | COMBAT RANGE | S P E E D |
| 112 naut. mi with 7807 lb payload at 112 knots avg. in 2.0 hours. | 221 naut. mi with 7807 lb payload at 112 knots avg. in 2.0 hours | COMBAT 112 knots at 5000 ft alt, mil power MAX 122 knots at Zero ft alt, mil power BASIC 112 knots at 5000 ft alt, mil power |
| C L I M B | C E I L I N G | T A K E - O F F |
| 1770 fpm sea level, take-off weight military power | 21,500 ft 100 fpm, take-off weight military power | ground run 0 ft _____ft no assist assisted |
| 3380 fpm sea level, combat weight military power | 29,700 ft 500 fpm, combat weight military power | over 50 ft height 0 ft _____ft no assist assisted |
| L O A D | W E I G H T S | H O V E R I N G C E I L . |
| Cargo: 7807 lb Fuel: 700 gal protected 0 % droppable 0 % external 0 % | Empty..... 21,293 lb Combat... 24,880 lb Take - off 34,704 lb limited by mission | 26,100 ft combat weight, military power V E R T I C A L C L I M B 1050 fpm sea level, take-off weight military power |

N O T E S

1. Performance Basis:
(a) Estimated data

2. Revision Basis: Initial Issue