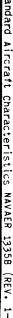


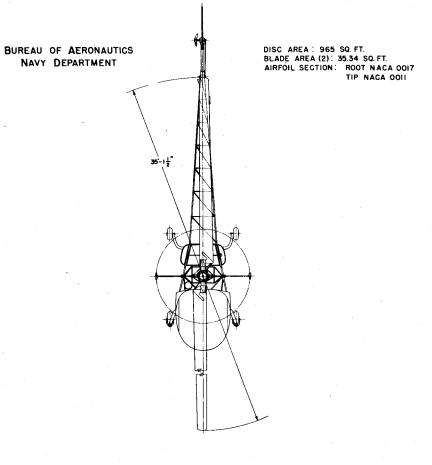
STANDARD AIRCRAFT CHARACTERISTICS HTL-4

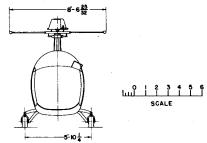
BELL

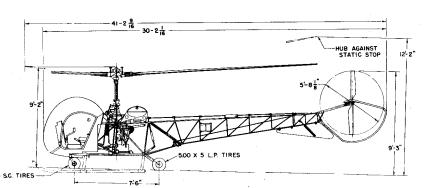












WALLASSIFIED

M. Para

RATINGS

Bhp @ Rpm @ Alt. NORMAL 200 3.100 S. L.

SPEC. NO. 19017C

ACCOMMODATIONS

CREW AND PASSENGERS ON SEAT..... EXTERNAL LITTERS

MISSION AND DESCRIPTION

The primary mission of the HTL-4 is training. It will also be used in combat areas for the evacuation of wounded, mine spotting, liaison, carrying limited amounts of critical supplies, and general utility.

It is similar in general configuration and rotor dimensions to the HTL-3 helicopter, but the removal of the fuselage covering aft of the pilot's enclosure and other equipment has made the helicopter 156 pounds lighter in the normal configuration. Modification of the tail rotor guard has increased the length 2 inches.

Some of the helicopters are being delivered with skid type gear and some with wheel type gear. Kits containing the other type of gear are being delivered with each helicopter.

The HTI-4 is a three-place, single engine helicopter equipped with a two-bladed main rotor with a gyroscopic action stabilizer bar. The main rotor is of the see-saw type, the blade being rigidly interconnected by means of the hub except that each blade is separately journaled to the hub for pitch change.

In service use -- November 1950

Loadings	Lbs.	L.F.
EMPTY	1.546	••••
BASIC		
DESIGN	2.350	2.5
MAX.T.O	2,350	2.5
MAX.LAND	2,350	•••••

WEIGHTS

All weights are actual.

* Limited by performance

FUEL AND OIL

No. Tanks Gals. Location

29

Fuselage

FUEL GRADE....91/98 FUEL SPEC. AN-F-48

OIL

CAPACITY	(Gal	8.)		2
GRADE	••••	••••	• • • • •	1100
SPEC	• • • •	• • • • •		8-0-M

DIMENSIONS

DISC AREA	.969 sq.	ft.
BLADE DIA	351 -	2
LENGTH	Ļ1 -	5#
HEIGHT*		
TREAD		
BLADE AREA	35 sq.	ft.

* Blades in stowed position.

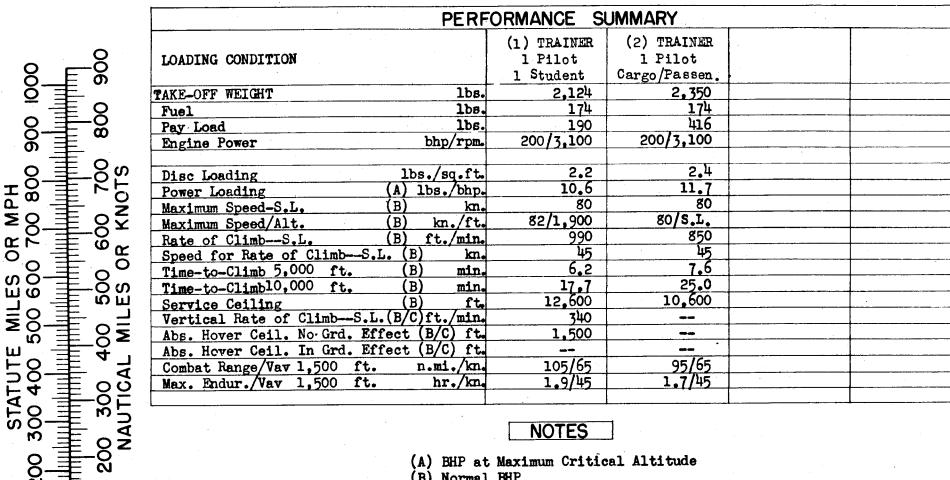
ELECTRONICS

VHF TRANSMITTERT-11A VHF TRANSMITTER.....T-13 VHF REC.(118-148 mcs)...R-19 RANGE REC. (190-550 kcs).R-11A

19

N

DECI ASSIETE



- (B) Normal BHP
- (C) Take-Off Power

Performance is based on NATC flight test of the HTL-3 helicopter.

Combat range and maximum endurance are based on flight test fuel consumption data increased by 5% and allowing fuel for warm-up and take-off (5 minutes at NRP) and a 10% fuel reserve.

Maximum speed is restricted to 80 knots IAS by BUAER Technical Order No. 40-51 of 1 June 1951.

All performance is based on 3,100 RPM and is out of ground effect.





