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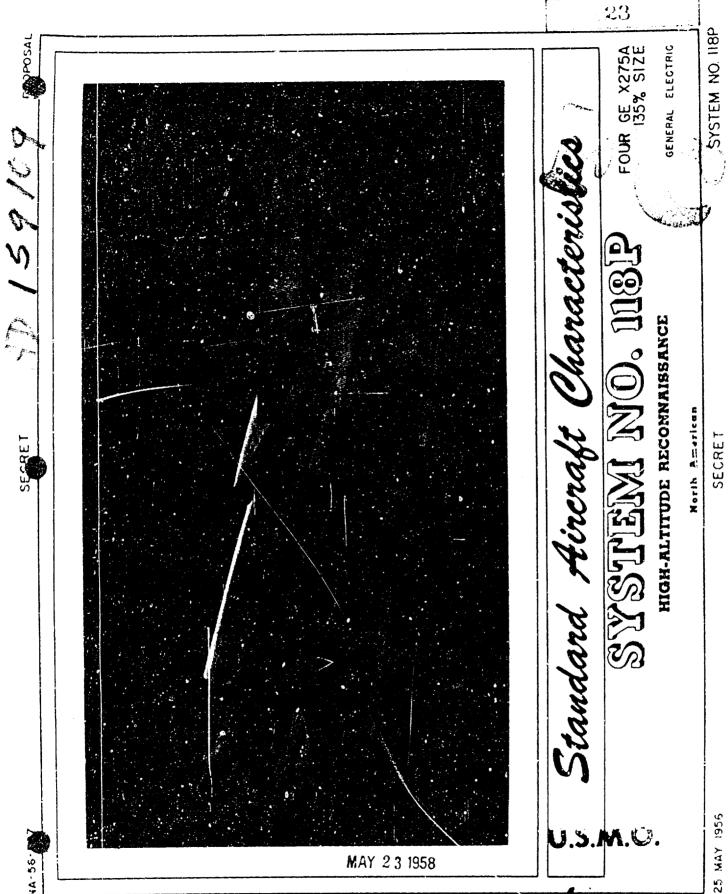
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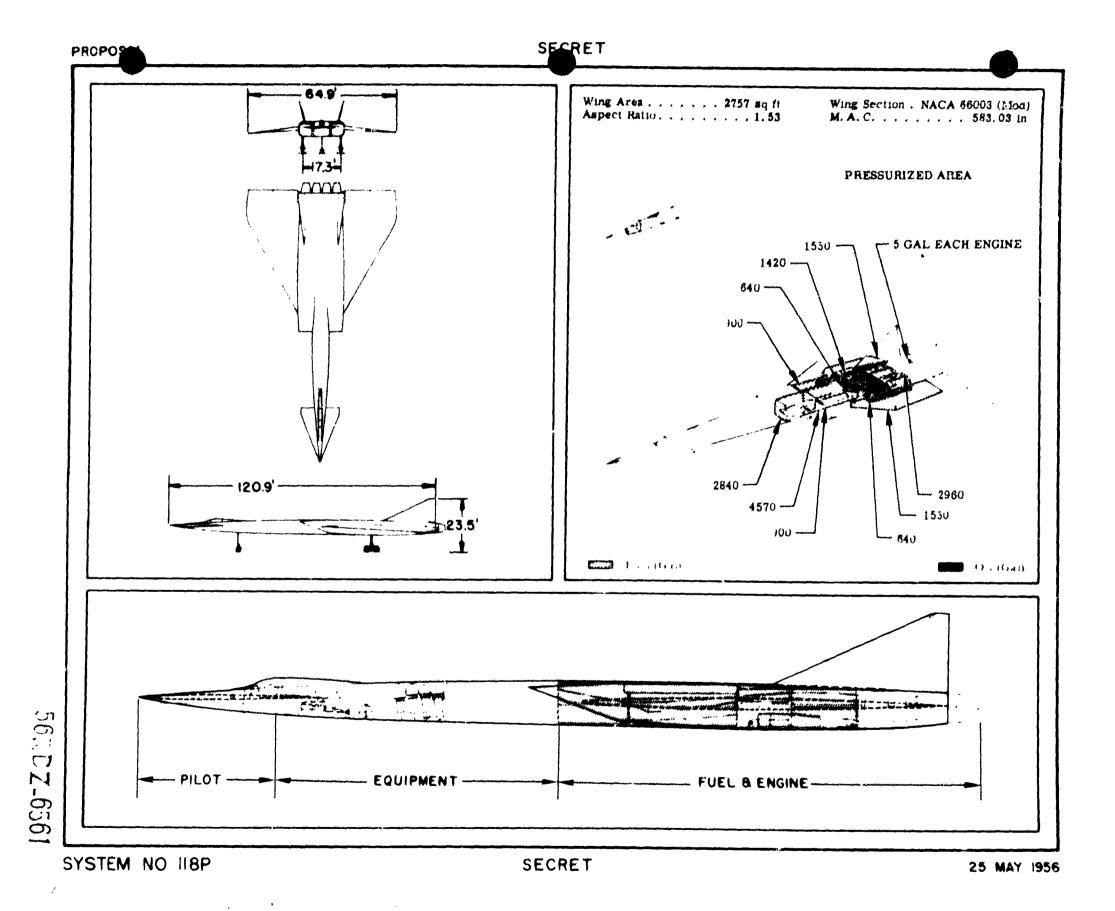
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5811 5372

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Mission and Description

Navy Designati ni None

Mfr's Model: None

The primary mission of this sirrraft is the nigh altitude reconnaissance of hostile ground installations.

Special features of this simplane are a mechanically controlled convergent-divergent nuzzle interchangeable reconsistance equipment packages, a canard configuration and airframe postruction of steel and titanium.

. The rew of one consists of the pilot.

The pilot is provided with automatic flight control and navigation systems.

WEIGHTS

(E) Fatimates

Lating

- * For Decign Min ton
- + Limit- 1 by Fir ion ++ By Frfue.ing

ENGINE RATINGS

S.I. Statin - I.b - PPM

Max reheat: *.3,540 - 7783

Partial reheat: *..,826 - 283

Mil: **21,28 - 283

Nor: 19,710 - 7195

*With afterburner operating
** Muximum non-reheat

Development

No.

UEL

Location , No. Tanks . . Gal Published . . . 8 . . . 14,870

Orale Land beard . . . upersonic fuel Specification . . . Unclassifies

OIL

Puselage , 4 20 Specification , Unlassified

DIMENSIONS

BOMB 1

G U N S

ROCKETS

NOT APPLICABLE

PACKAGES

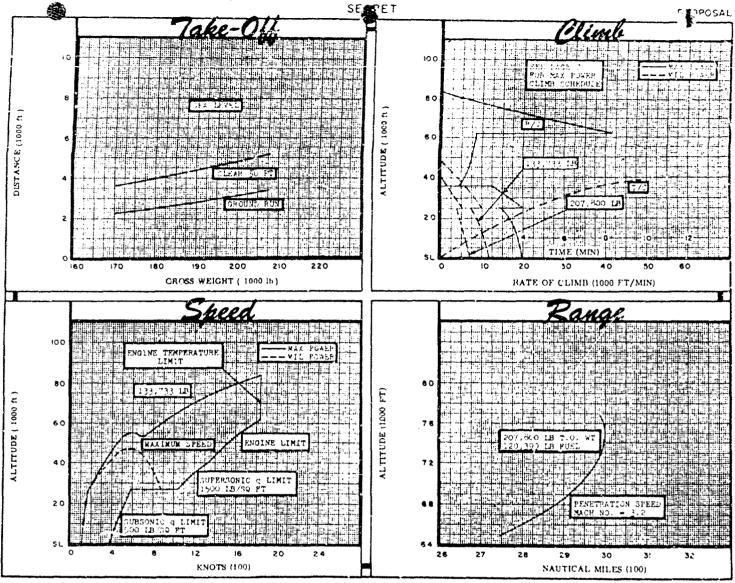
Search Photo System.
 Detail Photo System.
 Mapping Radar...APQ-56
 Ferret System...

1 . Azimuth Padar

ELECTRONICS

562.02.65

CONDITIONS AKE-OFF FRIGHT Puel at 6.7 lb/gal (grade unclassified) (lb) Payload (ammunition) Payload (bomba) (lb)	207,800 120,399	DESIGN FERRY MISSION II 207,800 120,399		
Puel at 6.7 lb/gal (grade unclassified) (lb) Payload (ammunition)	120,399			
Wing loading Stall speed (power off) Teke-off ground run at SL Take-off to clear 50 ft Rate of climb at SL Time: SL to 20,000 ft Time: SL to 30,000 ft Service ceiling (100 fpm) OMBAT RAHGE (psf) (kn) (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft	none none 75.4 178.5 3400 5150 6850 3.4 5.7 40,000	none none 75.4 178.5 3400 5150 6850 3.4 5.7 40,000		
OMBAT RADIUS	1835 75,700 2.07	1835 75,000 2,07		
Insion weight Mission altitude Mission climb Mission climb Mission climb Mission ceiling (500 fpm) Service ceiling (100 fpm) Max rate of climb at SL Basic speed at 35,000 ft Max speed at optimum altitude (th)	133,733 /5,000 1835 15,000 83,000 47,900 19,700 1200 1835/63,500	99.441 79,000 1835 18,000 88,150 52,500 21,800 1200 1835/83,500		
NPING WEIGHT (1b) Ground roll at 3L (ft) Total from [O ft (ft)	99 , 441 4630 6690	99,441 4630 6690		



25 MAY 1956

SECRET

SYSTEM NO. 118P

PORMULA: PANGE MISSION I

Take-off and accelerate to climb speed with maximum power, climb on course to the isothermal level with military(maximum non-reheat) power, accelerate and climb to cruise altitude with maximum power, cruise out at penetration speed, cruise to maximum penetration complete mission, cruise to base at penetration speed. Range free allowances include 5 minutes of normal power at sea level for starting engines and take-off and a reserve of 10% of initial fuel.

FORMULA: RANGE MISSION II

Take-off and accelerate to best climb speed with maximum power, climb in course to the isothermal level with military (maximum non-reheat) power, accelerate and climb to best cruise altitude with maximum power, cruise out at long range speed. Range free allowances include minutes of normal power at sea level for starting engines and take-off and a reserve of 10% of initial

CENERAL DATA

(a) Engine ratings shown on page 3 are guaranteed values. Installed values used in performance calculations are as follows:

	(4) X275A 135% Size	
S.L. STATIC	1,28	R PM
Max:	+22,500	7283
Mil:	**17,000	7283
Nor:	15,800	7195
	With afterburner operating Maximum non-reheat	

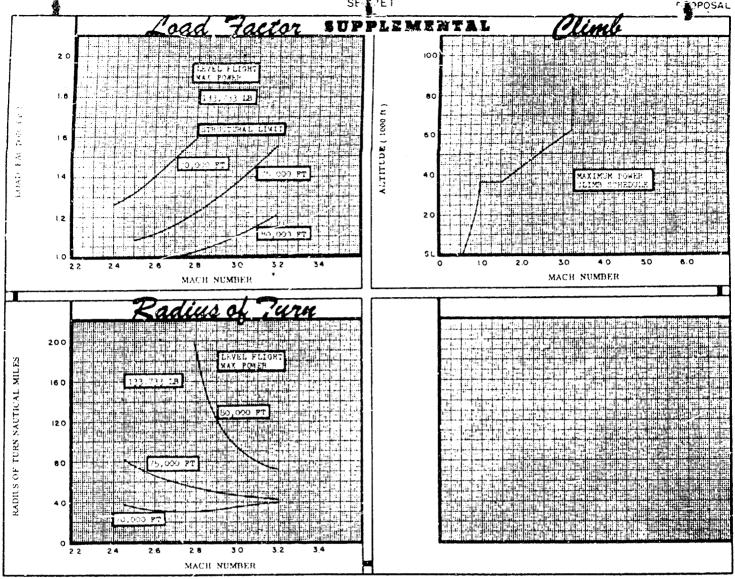
(b) Stall speed limited by 13° tail down ground angle in presence of ground.

PERFORMANCE BASIS:

Performance data are based on North American Report No. NA-56-566, dated 31 May 1956, "Aerodynamic Characteristics System 118P - Phase II 1/2".

PEVISION BASIS:

Initial issue.



25 MAY 1956

SECRET

SYSTEM NO. 118P



DEPARTMENT OF THE AIR FORCE HEADQUARTERS 88TH AIR BASE WING (AFMC) WRIGHT-PATTERSON AIR FORCE BASE OHIO

5 February 2008

88 CG/SCCMF 3810 Communications Blvd Wright-Patterson AFB OH 45433-7802

Defense Technical Information Center Attn: Ms. Kelly Akers (DTIC-R) 8725 John J. Kingman Rd, Suite 0944 Ft Belvoir VA 22060-6218

Dear Ms. Akers

This concerns Technical Report AD159109, Standard Aircraft Characteristics, Phase 2 $\frac{1}{2}$, Weapon System 118P. High-Altitude Reconnaissance, 25 May 1956.

Subsequent to WPAFB Freedom of Information Act (FOIA) Control Number 06-650LK, the distribution statement: "Distribution authorized to DoD only; Administrative/Operational Use; JUN 1956. Other requests shall be referred to Department of the Air Force, Attn: Public Affairs Office, Washington, DC 20330." is no longer applicable.

The document has been reviewed by the Aeronautical Systems Center STINFO Officer within the Reconnaissance Systems Wing, 303 AESW/EN, Wright-Patterson AFB and it has been determined that the distribution statement should be changed to statement A (publicly releasable). The record is fully releasable to the public.

Point of contact is Lynn Kane at (937) 522-3091.

Sincerely

Sheree COON

Freedom of Information Act Manager

Management Services Branch

Base Information Management Division

Attachments

- 1. FOIA Request
- 2. Cover sheet
- 3. Full Citation
- 4. Copy of AFMC Form 559
- 5. USAF Ltr to Contractor
- 6. Contractor Response Email to USAF