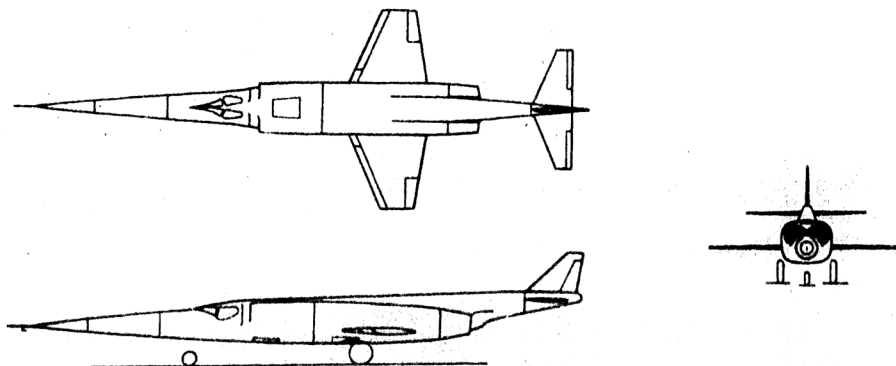


# Characteristics Summary

RESEARCH . . . . . X-3



DOUGLAS

Wing Area ..... 166.5 sq ft      Length ..... 66.8 ft  
 Span ..... 22.7 ft      Height ..... 12.5 ft

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

## STATUS

- Design Initiated: ..... 6 Mar 45      3. Joint USAF-NACA-BuAer Project.
- First Flight: ..... Oct 52

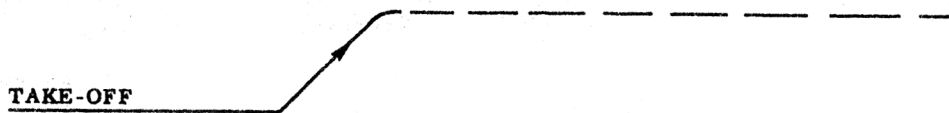
Navy Equivalent: None

Mfr's Model: 499D

POWER PLANT	FEATURES	ARMAMENT
(2) XJ34-WE-17 Westinghouse  ENGINE RATINGS  S.L.S      LB - RPM - MIN Max:    * 4900 - 12,500 - 5 Mil:     3370 - 12,500 - 30 Nor:     3020 - 12,500 - Cont  *Afterburner operating	Crew: 1 Cockpit Cooling & Pressurization Mod. Diamond Airfoil Capable of Ground Take-off & Landing Telemetering Instruments Downward Ejection Seat Deceleration Parachute to Supplement Landing Brakes Speed Brake Max Fuel Capacity: 1000 gal	NONE

*Characteristics Summary Typical Profile* . . . . . X-3

FLIGHT PLAN VARIED AS NECESSARY TO FULFILL MISSION



**P E R F O R M A N C E**

<b>ENDURANCE</b>		<b>MISSION</b>	<b>HIGH SPEED</b>	
Min. 100 111	Alt. 35,000 15,000	Kn. 460 385	To obtain aerodynamic, power plant, structural and other flight research data.	595 knots (.90 Mach) zero ft. alt., partial power <sup>(b)</sup>
<b>C L I M B</b>		<b>C E I L I N G</b>	<b>T A K E - O F F</b>	
24,000 ft/min. S.L. flight weight maximum power		ABSOLUTE 42,000 ft flight wt. max power	ground run	
			4100 ft no assist	— ft assisted
			over 50 ft height	
			4400 ft no assist	— ft assisted
<b>L O A D</b>		<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>	
Fuel:	1000 gal	Empty ..... 14,345 lb	177 knots power-off, landing configuration, take-off weight	
Internal:	1000 gal	Flight ..... 18,000 lb	<b>T I M E T O C L I M B</b>	
Droppable:	None	Take-off ..... 21,156 lb	11.5 min. S.L. to 35,000 feet; flight wt.	

**N O T E S**

- PERFORMANCE BASIS:
  - Preliminary flight test data (Not substantiated by WADC).
  - Limited by structural design criteria.
- REVISION BASIS: To reflect preliminary flight test data.