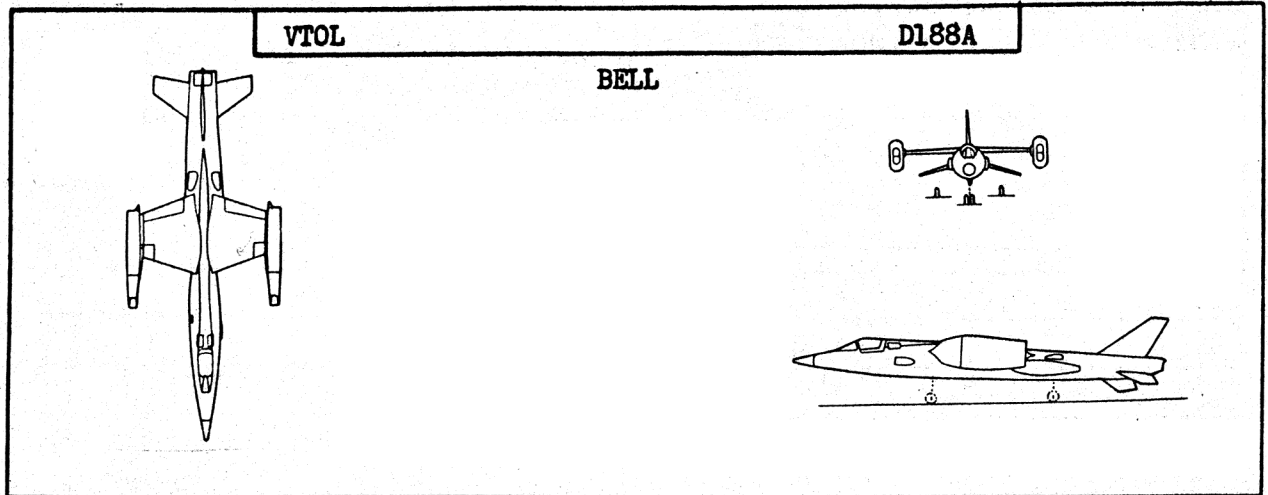


CHARACTERISTICS SUMMARY



VTOL

D188A

BELL

WING AREA 194 sq. ft.
WING SPAN 23' - 8"

LENGTH 54' - 11"
HEIGHT 12' - 3"

AVAILABILITY			PROCUREMENT			
NUMBER AVAILABLE			NUMBER DELIVERED IN FISCAL YEARS			
ACTIVE	RESERVE	TOTAL				

STATUS	
Mockup	September 1958
First Flight	March 1960

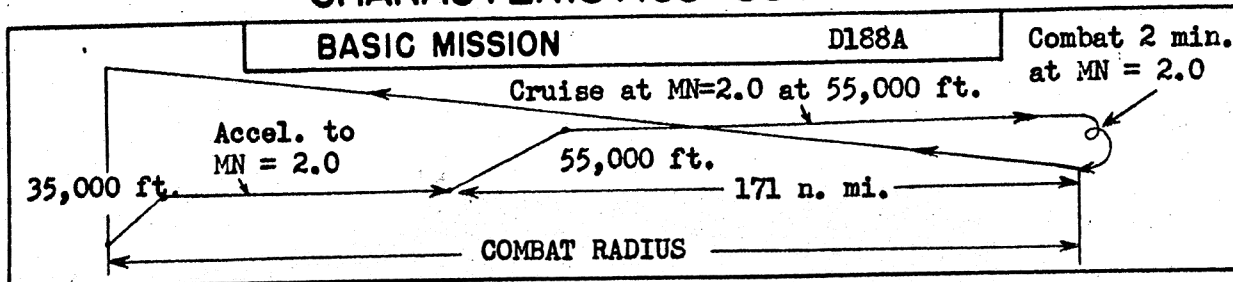
ENGINES			
(6)	GE J85-GE-5 with afterburner		
(2)	GE J85-GE-5 non-afterburning		
	<u>LBS</u>	<u>RPM</u>	<u>ALT</u>
MAX.	3660	16,500	SSL
MIL.	2455	16,500	SSL
NORM.	2140	15,900	SSL

FEATURES
Crew - 1
Horizontal attitude
Vertical take-off and landing
All moveable vertical and horizontal tails

ARMAMENT
(4) Sidewinders, (Folding Fin)
or
1000 lb. internal store

NAVAER 1519 A (REV. 1-49)

CHARACTERISTICS SUMMARY



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	SPEED
225 naut. mi. 525 knots avg. .68 hr. Mission Time Armament: 4 external folding fin Sidewinders	1105 naut. mi. 525 knots avg. hours	*661 knots at S.L. ft. *1147 knots at 35,000 ft. *1147 knots at 50,000 ft. *Engine limit Combat Weight Maximum Power
CLIMB	CEILING	TAKE OFF
42,800 ft./min. Sea Level, T. O. wt. Maximum Power	50,000 ft. 100 ft./min., T. O. wt. Maximum Power	Calm: Complete transition at horizontal dist. of approx. 9050 ft.
15,000 ft./min. 35,000 ft. Combat wt. Maximum Power	55,000 ft. 500 ft./min. Combat wt. Maximum Power	40 kn. wind: Complete transition at horizontal dist. of approx. 7160 ft.
LOAD	WEIGHTS	STALLING SPEED
Fuel 1310 gal. fixed 1310 drop Total internal capacity: 1397 gal. JP-5	Empty 12,585 lbs. *Combat 19,110 lbs. Take-off 22,670 lbs. *Includes Sidewinders	208 knots Power Off Flaps down, T. O. wt.
		TIME TO CLIMB
		40,000 ft. in 2.05 min. Take-Off Wt., Max. Power

NOTES

Contractor's data, not substantiated by BuAer.
Range and radius based on engine specification data increased by 5%.

NAVAER-1519B (Rev. 10-51)