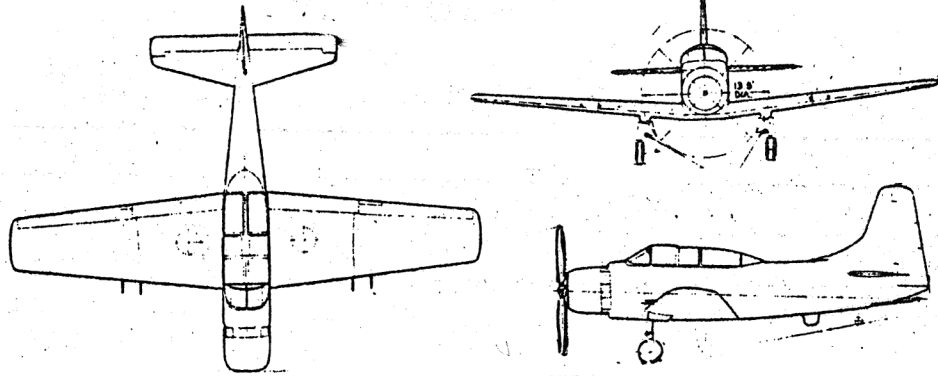


CHARACTERISTICS SUMMARY

NIGHT ATTACK

AD-5N

DOUGLAS



WING AREA 400 sq.ft.
WING SPAN 50'-0"

LENGTH 40'-0"
HEIGHT 15'-9"

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

STATUS

First Flight-----August 1952
Service Use-----March 1954

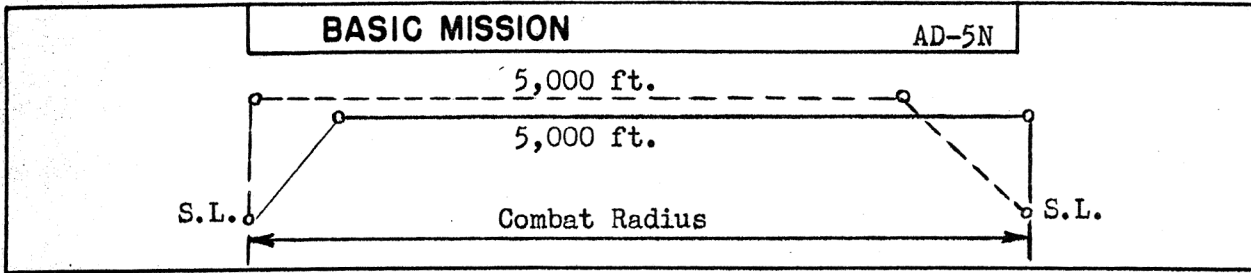
ENGINES	
I W.A.C.	R-3350-26WA
BHP/ RPM/ ALT.	
T.O.	2700/2900/ S.L.
MIL.	2700/2900/ 3700'
	2100/2600/14500'
NORM.	2300/2600/ 6200'
	1900/2600/17000'

FEATURES
Crew - 3
Folding wings
Arresting gear
Catapulting gear
Single dive brake
Aileron boost
980 gals.fuel max. capacity

ARMAMENT
BASIC MISSION:
1-500 lb & 6-100 lb bombs.
AN/APS -31 Radar
- - - - -Store - -
2MK. 51 wing racks - 2000 lbs. cap. each
12 - Aero 14 wing racks 3000 lb total cap.
- - - - -
Ctr. Line cap.-3600 lbs.
Max. Bomb cap.-7325 lbs.

NAVAER-1519 A (REV. 1-49)

CHARACTERISTICS SUMMARY



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	SPEED
205 naut. mi.	575 naut. mi.	263 knots at S.L. ft.
165 knots avg.	165 knots avg.	280 knots at 15,000 ft.
*2.7 hours		260 knots at 25,000 ft.
*Mission time Basic Mission		Combat Weight Military Power
CLIMB	CEILING	TAKE OFF
1,640 ft./min.	24,500 ft.	1,200 ft. - calm
Sea Level, T. O. wt. Normal Power	100 ft./min., T. O. wt. Normal Power	No assist
2,580 ft./min.	24,300 ft.	600 ft.-25 knot
Sea Level, Combat wt. Military Power	500 ft./min., Combat wt. Military Power	wind No assist
LOAD	WEIGHTS	STALLING SPEED
Fuel 380 gal.	Empty 12,112 lbs.	89.7 knots
fixed 380 drop	Combat 18,505 lbs.	Flaps down, T. O. wt.
Provisions for 600 gals. of droppable fuel.	Take-off 20,517 lbs.	TIME TO CLIMB
Payload-1100 lbs.Bombs		-- ft. in -- min.
		Combat Wt., Max. Power

NOTES

PERFORMANCE BASIS: Performance is based on contractor's results of AD series flight tests.

RANGE AND RADIUS are based on AD series flight test fuel consumption increased 5%.

Reissue due to availability of contractor's AD-5 flight test data.

NAVAER-1519B (Rev. 10-51)