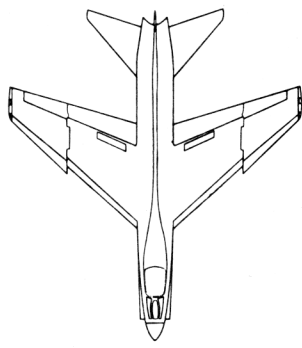


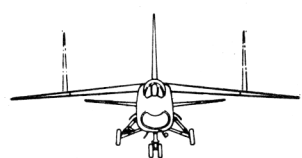
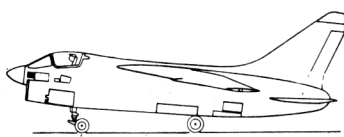
A1  
A-7D /char

# Characteristics Summary

ATTACK . . . . . A-7D



CORSAIR



LING-TEMCO-VOUGHT

Wing Area . . . . . 375 sq ft      Length . . . . . 46.1 ft  
Span . . . . . 38.7 ft      Height . . . . . 16.1 ft

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

## STATUS

1. Developed from Navy A-7A
  2. First Flight: Mar 68
  3. First production delivery: Dec 68
  4. First delivery to TAC: Aug 69
  5. Performance shown represents the first 27 aircraft.
- Navy equivalent: A-7E Mfr's Model: None

### POWER PLANT

(1) TF41 - A - 1

Allison

ENGINE RATINGS

S. L. S.    LB- \*RPM - MIN

Mil:    14,250-8950/12,770-30

Nor:    12,950-8600/12,500-Cont

\*Low Pressure Rotor/High Pressure Rotor

### FEATURES

Crew . . . . . 1

Navigation weapon/delivery system consisting of digital computer and forward looking radar.

Doppler radar.

Air data computer.

Inertial measurement set.

Armament station control unit.

Head up display

Max Fuel Capacity:

Internal    1500 gal

External    1200 gal

### ARMAMENT

Guns: M61A1

Missiles (Air to Ground)

AGM-12C Bullpup

MK-1 Mod-0 Walleye

AGM-65A Maverick (Air to Air)

AIM-9B Sidewinder

Bombs:

MK-81, MK-82, MK-83, ?

BLU-1/B, BLU-27, BLU-31/B, BLU-34/B, M-117

Rocket Launcher

LAU-3/A

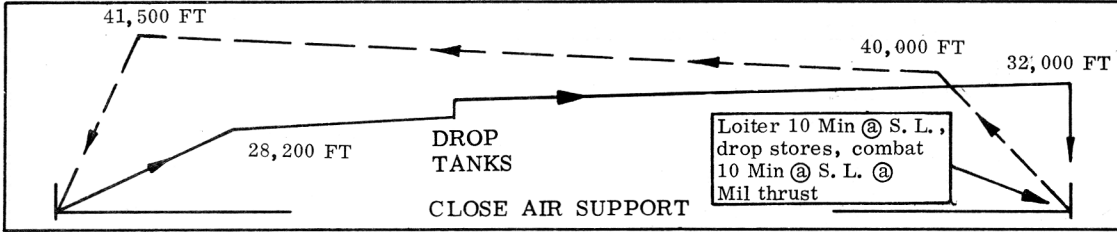
Dispensers

CBU-1/A, CBU-2/A, CBU-7/A, CBU-24/A, Rock-eye II,

Stations:

Two fuselage and six wing pylon store stations.

*Characteristics Summary Basic Mission* ..... A-7D



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
595 naut. mi with 7149 lb payload at 451 knots avg. in 3.3 hours.	2607 naut. mi with 2700 gal fuel at 460 knots avg. in 6.0 hours at 38,979 lb T. O. wt.	COMBAT 565 knots at S. L. ft alt, military power MAX 576 knots at 5000 ft alt, military power BASIC 565 knots at S. L. ft alt, military power
CLIMB	CEILING	TAKE-OFF
4930 fpm Sea level, take-off weight military power	27,700 ft 100 fpm, take-off weight military power	ground run 6020 ft no assist   _____ ft assisted
8500 fpm sea level, combat weight military power	38,900 ft 500 fpm, combat weight military power	over 50 ft height 8650 ft no assist   _____ ft assisted
L O A D	W E I G H T S	STALLING SPEED
Ammo: 1000 rds 20 mm Bombs: 8 x M117 Tanks: 2 x 300 gal  Fuel: 2100 gal protected 9.5 % droppable 28.6 % external 28.6 %	Empty . . . . 18,086 lb Combat . . . . 27,435 lb Take-off . . . . 41,718 lb  limited by mission	152 knots power-off, landing config- uration, take-off weight  <b>TIME TO CLIMB</b> 7.7 Min S. L. to 20,000 ft T. O. weight Mil power

**N O T E S**

- Performance Basis:
  - Contractor's estimated data.
  - Performance calculated with wing sweep of 35° @ quarter chord.
- Revision Basis: To indicate performance represents first 27 aircraft, Status block.