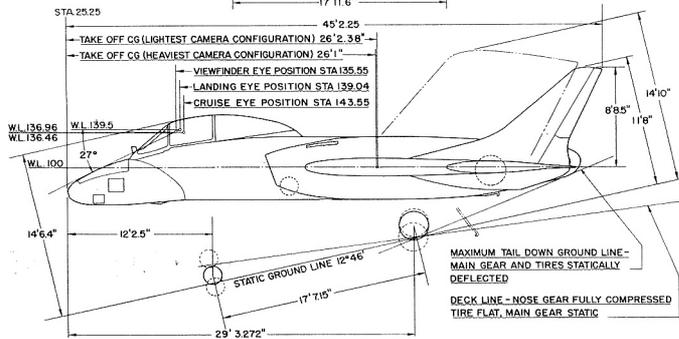
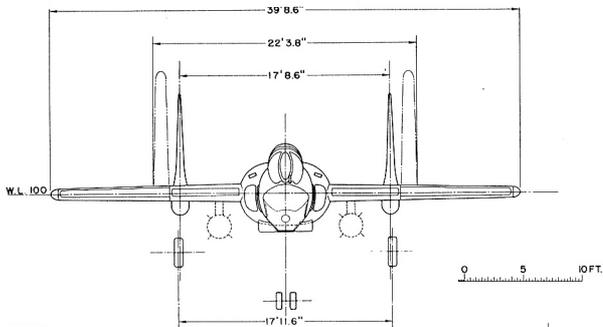
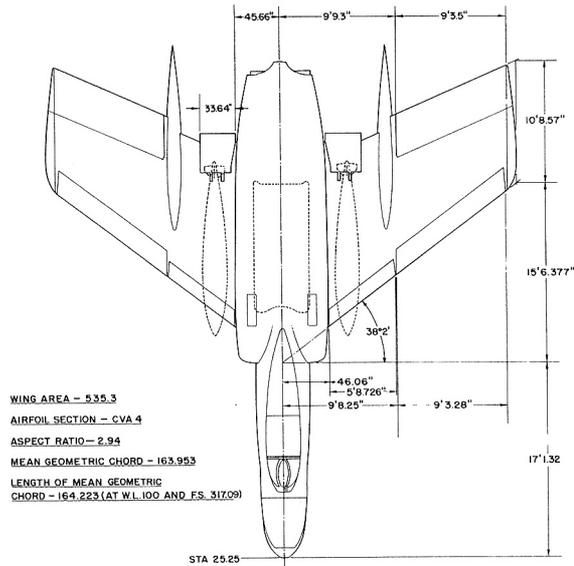




STANDARD AIRCRAFT CHARACTERISTICS

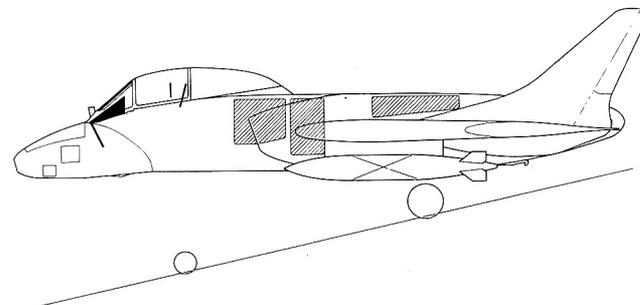
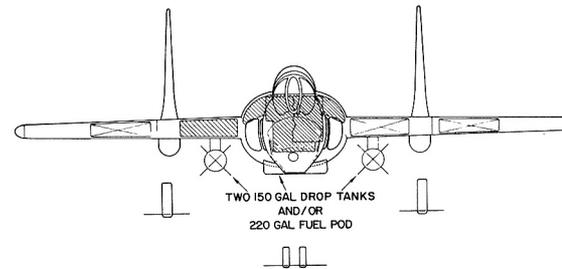
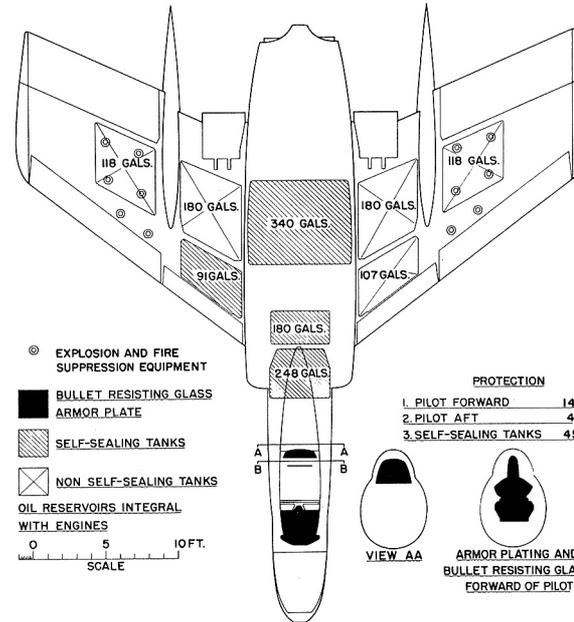
F7U-3P "CUTLASS"

CHANCE VOUGHT



DESCRIPTIVE ARRANGEMENT

ARMOR & TANKS



Standard Aircraft Characteristics NAVAR 1335B (Rev. 1-55)

PERFORMANCE SUMMARY

TAKE-OFF LOADING CONDITION	(1) BASIC AIRPLANE	(4) BASIC AIRPLANE + TWO 150 GAL DAS TANKS (D)	(7) 220 GAL FUEL POD + TWO 150 GAL DAS TANKS (D)			
TAKE-OFF WEIGHT lb.	29,828	32,334	34,064			
Fuel lb.	10,153	12,103	13,533			
Payload lb.	608	608	608			
Wing loading lb./sq.ft.	55.8	60.4	63.7			
Stall speed - power-off kn.	115	119	123			
Take-off run at S.L. - calm (C) ft.	2,750	3,200	3,600			
Take-off run at S.L. 25 kn. wind (C) ft.	1,850	2,200	2,450			
Take-off to clear 50 ft. - calm (C) ft.	3,800	4,450	4,950			
Max. speed/altitude (A) kn./ft.	470/17,000	418/13,000	403/10,000			
Rate of climb at S.L. (B) fpm.	3,520	2,850	2,550			
Time: S.L. to 20,000 ft. (B) min.	7.5	10.4	11.8			
Time: S.L. to 30,000 ft. (B) min.	15.2	22.4	26.7			
Service ceiling (100 fpm) (B) ft.	34,600	29,200	26,500			
Combat range n.mi.	775	920	990			
Average cruising speed kn.	450	450	435			
Cruising altitude(s) ft.	30,300-36,500	24,700-35,500	22,000-34,000			
Combat radius n.mi.	200	280	330			
Average cruising speed kn.	450	450	450			
COMBAT LOADING CONDITION						
	(2) COMBAT	(3) COMBAT	(5) COMBAT	(6) COMBAT	(8) COMBAT	(9) COMBAT
COMBAT WEIGHT lb.	25,767	25,767	27,239	27,239	28,397	28,397
Engine power	Military	Combat	Military	Combat	Military	Combat
Fuel lb.	6,092	6,092	7,262	7,262	8,120	8,120
Combat speed/combat altitude kn./ft.	490/32,000	530/32,000	488/30,000	534/30,000	481/28000	534/28000
Rate of climb/combat altitude fpm/ft.	800/32,000	4,400/32,000	750/30,000	4,400/30,000	800/28000	4450/28000
Combat ceiling (500 fpm) ft.	34,700	45,800	32,500	44,600	31,000	43,500
Rate of climb at S.L. fpm.	4,250	10,700	3,900	9,900	3,670	9,300
Max. speed at S.L. kn.	504	589	498	585	486	579
Max. speed/altitude kn./ft.	515/15,000	589/S.L.	511/15,000	585/S.L.	498/15000	579/S.L.
LANDING WEIGHT lb.	22,563		22,992			23,409
Fuel lb.	2,888		3,015			3,132
Stall speed - power-off kn.	104		105			106
Stall speed - with approach power kn.	99		100			101

NOTES

(A) Normal Rated Thrust

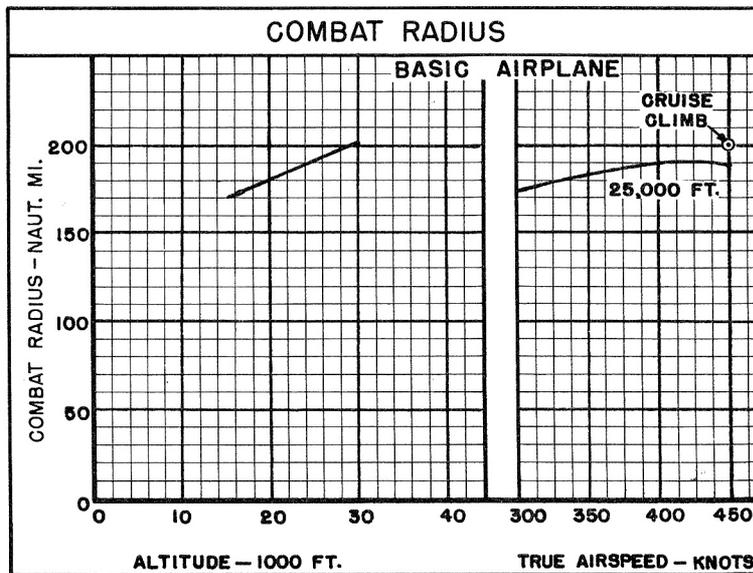
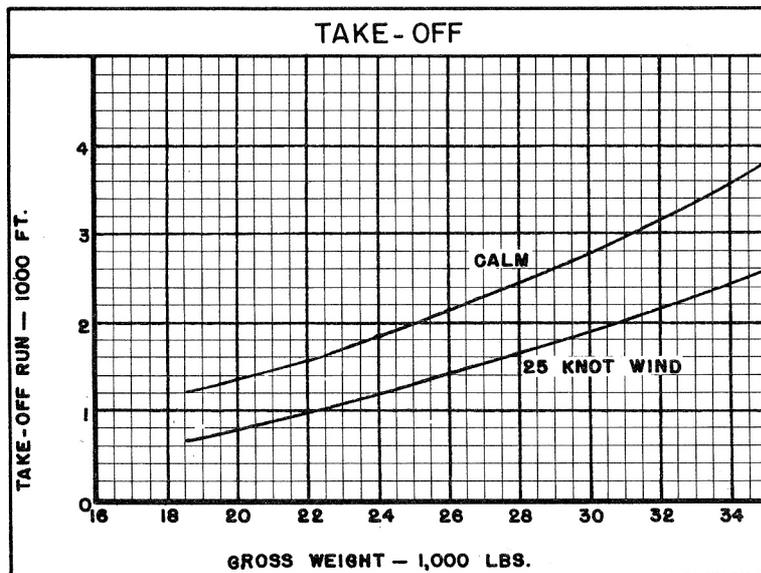
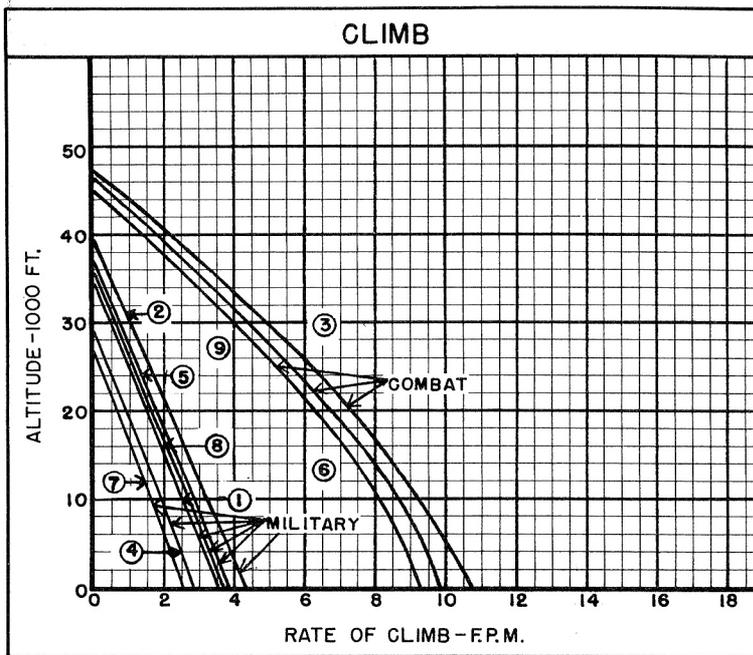
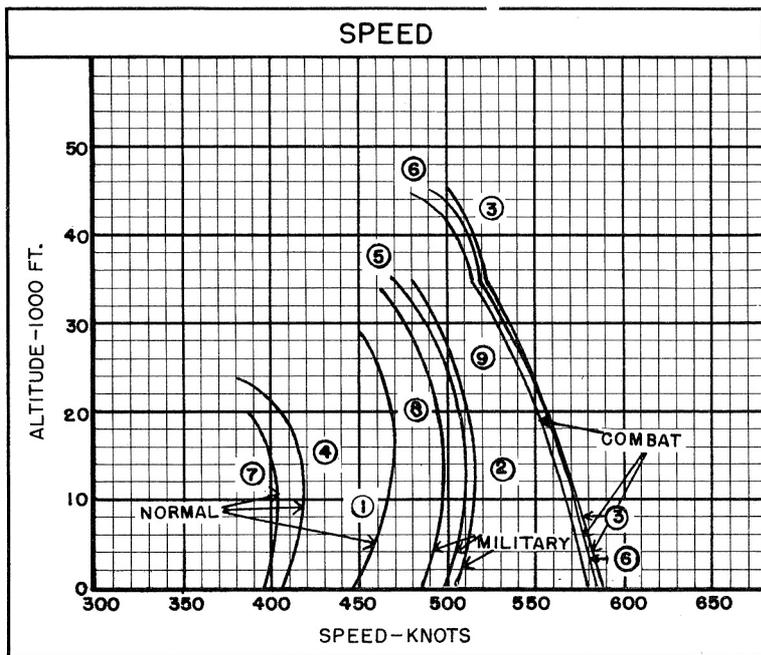
(B) Military Rated Thrust

(C) Combat Rated Thrust

(D) Tanks dropped when empty

Performance based on Contractor's flight test

Range and radius are based on engine specification fuel consumption increased by 5%.



○ LOADING CONDITION COLUMN NUMBER

Standard Aircraft Characteristics NAVAER 1335E (Rev. 1-55)

NOTES

RADIUS PROBLEM

WARM-UP, TAXI, TAKE-OFF: 5 minutes at normal thrust plus 1 minute at combat thrust
 CLIMB: To cruise ceiling at military thrust (cruising ceiling = altitude for 300 ft./min. rate of climb at normal thrust).
 CRUISE-OUT: At V for long range at cruising ceiling
 DESCEND: To 15,000 ft. (no fuel used, no distance gained).
 CRUISE: At 15,000 ft. for 20 minutes at military thrust (no distance gained).
 CLIMB: To cruise ceiling at military thrust.
 CRUISE-BACK: At V for long range at cruise ceiling.
 RESERVE: 5% of initial fuel plus fuel required for 2 engines for 20 minutes at V for maximum endurance at sea level.

