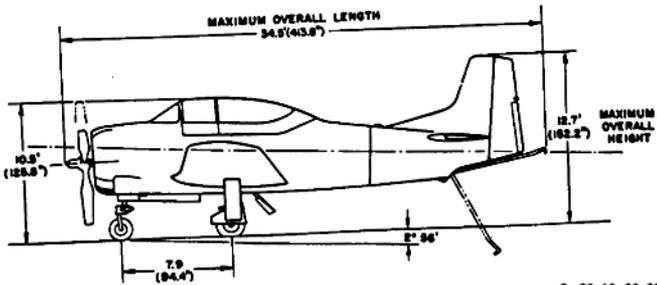
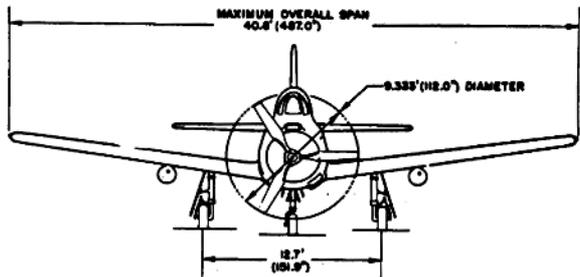
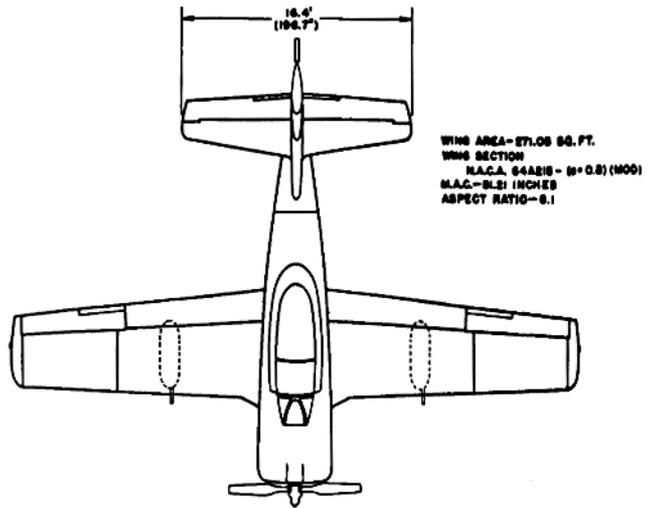


STANDARD AIRCRAFT CHARACTERISTICS

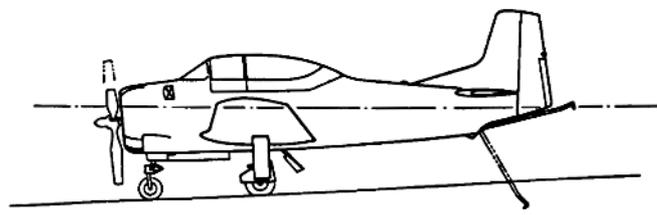
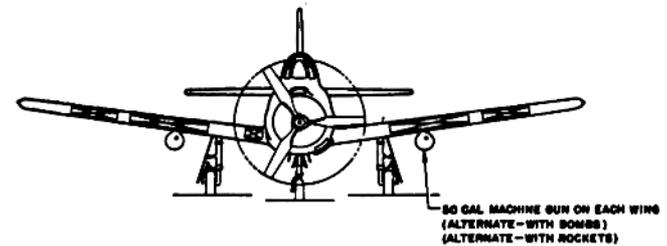
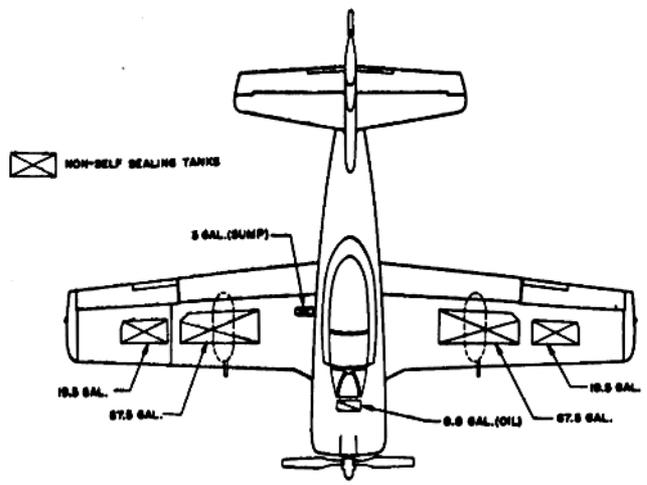
T-28C

SERVICE



DESCRIPTIVE ARRANGEMENT

0 20 40 60 80
SCALE



ARMAMENT & TANKAGE

0 20 40 60 80
SCALE

POWER PLANT

NO. & MODEL.....(1) R-1820-86
 MFR.....Wright
 SUPERCH.....1 stage, 2 speed
 RED. GEAR RATIO......666:1
 PROP. MFR.....Ham. Standard
 BLADE DES. NO.....6933A-9
 NO. BLADES/DIA.....3/9'4"

RATINGS

	BHP	RPM	ALT
T.O.	1,425	2,700	S.L.
MIL.	1,425	2,700	S.L. to 2,000'
	1,100	2,600	10,000' to 16,000'
NORM.	1,275	2,500	S.L. to 3,100'
	975	2,500	11,600' to 18,200'

Spec. No. N-896

ORDNANCE

NO.	CAL.	GUNS		LOCATION
		RD.	EA.	
2	50	100		Wing
(Gun camera.....AN-M6)				
(Carried in lieu of bombs or rockets)				

ROCKETS

6	2.25"	--		Wing
---	-------	----	--	------

FIRE CONTROL

Mk. 6 Mod 0

BOMBS

2	100#	--		Wing
---	------	----	--	------

Max. practice bomb capacity - 200 lbs.

MISSION AND DESCRIPTION

The tactical mission of the T-28C airplane is to provide all flying training in the advanced stage (those phases of training following primary and basic stages), including carrier operations, and on which reserve flying proficiency will be maintained.

The T-28C incorporates in its design an NACA low drag, laminar-flow airfoil section, a power operated canopy, speed brakes, and an arresting gear. A large baggage compartment is provided under the cockpit floor. A combustion type heater is used for supplying heated air to the cockpit. The power plant design incorporates jet exhaust stacks to increase the thrust available and the performance.

Wing flaps are of the semi-slotted type and are actuated by a hydraulic mechanism.

The T-28C was derived from the T-28B by adding an arresting gear and reducing propeller diameter to make the airplane suitable for carrier operations.

Maximum permissible dive speed is 342 km. at S.L., 321 km. KAS at 10,000', and 300 km. KAS at 20,000', and M=0.67 above 20,000'.

DEVELOPMENT

First Flight.....23 December 1954
 Service Use.....4 November 1955

WEIGHTS

LOADING	LBS.	L.F.
EMPTY.....	6,700	
BASIC.....	6,778	
DESIGN.....	8,216	
MAX. T.O. (Field) 8,663.....	5.6	
MAX. LDG. (Field) 8,216.....	6	
(Arrest) 8,216.....	6	

All weights are calculated

FUEL AND OIL

GALS.	NO. TANKS	LOCATION
135	2	Wing, center
39	2	Outer
3	1	Sump
FUEL GRADE.....100/130		
FUEL SPEC.....MIL-F-5572		

OIL

CAPACITY (gals.).....	8.8
GRADE.....	1100
SPEC.....	MIL-L-6082

DIMENSIONS

WING AREA.....	271 sq.ft.
SPAN.....	40'-7"
MAG.....	6'-9"
LENGTH.....	34'-5"
HEIGHT.....	12'-7"
TREAD.....	12'-7"
PROP. GRD. CLEARANCE.....	14.5"

ELECTRONICS

UHF COMMAND.....	AN/ARC-27
INTERPHONE.....	MAA 60001-105
*RADIO COMPASS.....	AN/ARN-6
*MARKER BEACON.....	AN/ARN-12
OMNI-RANGE RCVR.....	AN/ARN-14E
DIRECTION FINDER.....	AN/ARA-25
*RANGE RCVR.....	R-23A/ARC-5

*Provisions made for but not installed by mfr.

PERFORMANCE SUMMARY					
TAKE-OFF LOADING CONDITION	(1)	(2)	(3)	(4)	
	CLEAN	TWO GUN PACKAGES	6-2.25 in. ROCKETS	2-100 lb. BOMBS	
TAKE-OFF WEIGHT	lb.	8,247	8,648	8,475	8,275
Fuel	lb.	1,062	1,062	1,062	1,062
Payload	lb.	--	60	71	200
Wing loading	lb./sq.ft.	30.4	31.9	31.3	31.6
Stall speed - power-off	kn.	72.0	74.0	73.0	74.0
Take-off run at S.L. - calm (A)	ft.	680	780	740	760
Take-off run at S.L. 25 kn. wind (A)	ft.	425	530	480	510
Take-off to clear 50 ft. - calm (A)	ft.	1,250	1,420	1,340	1,380
Max. speed/altitude (B)	kn./ft.	286/21,300	260/20,600	272/20,700	277/20,700
Rate of climb at S.L. (B)	fpm.	2,830	2,520	2,700	2,700
Time: S.L. to 10,000 ft. (B)	min.	4.0	4.2	4.0	4.0
Time: S.L. to 20,000 ft. (B)	min.	9.1	10.2	9.7	9.5
Service ceiling (100 fpm) (B)	ft.	34,300	32,000	33,000	33,000
Combat range	n.mi.	750	650	690	705
Average cruising speed	kn.	180	165	170	175
Cruising altitude(s)	ft.	10,000	10,000	10,000	10,000
Combat radius	n.mi.	--	--	--	--
Average cruising speed	kn.	--	--	--	--
COMBAT LOADING CONDITION					
COMBAT WEIGHT	lb.				
Engine power					
Fuel	lb.				
Combat speed/combat altitude	kn./ft.				
Rate of climb/combat altitude	fpm/ft.				
Combat ceiling (500 fpm)	ft.				
Rate of climb at S.L.	fpm.				
Max. speed at S.L.	kn.				
Max. speed/altitude	kn./ft.				
LANDING WEIGHT	lb.	7,295	7,700	7,524	7,623
Fuel	lb.	111	115	112	111
Stall speed - power-off	kn.	68.0	70.0	69.0	69.0
Stall speed - with approach power	kn.	60.0	62.0	61.0	61.0

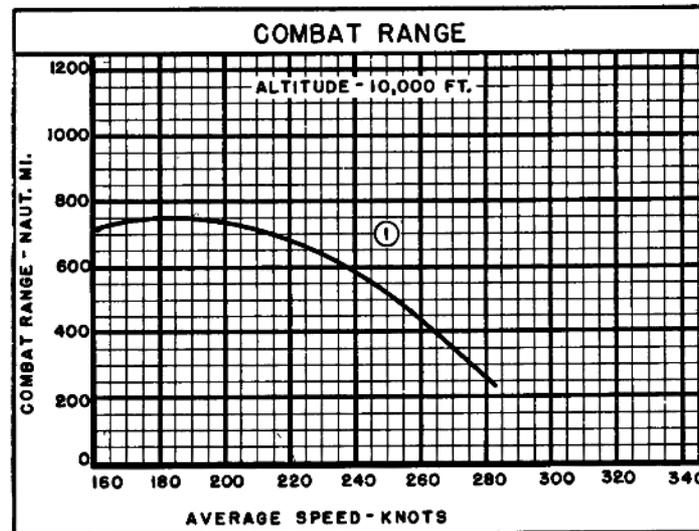
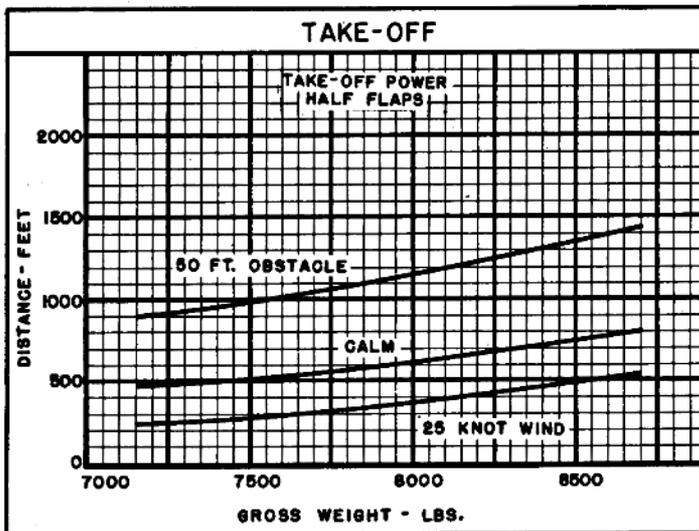
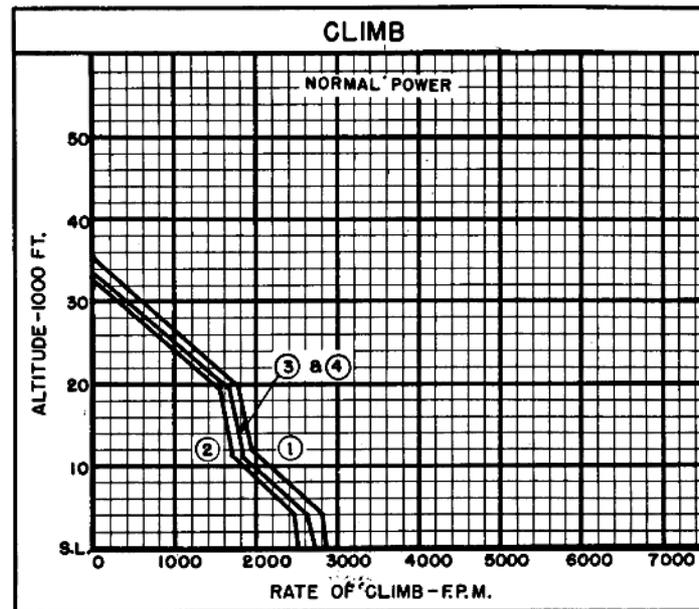
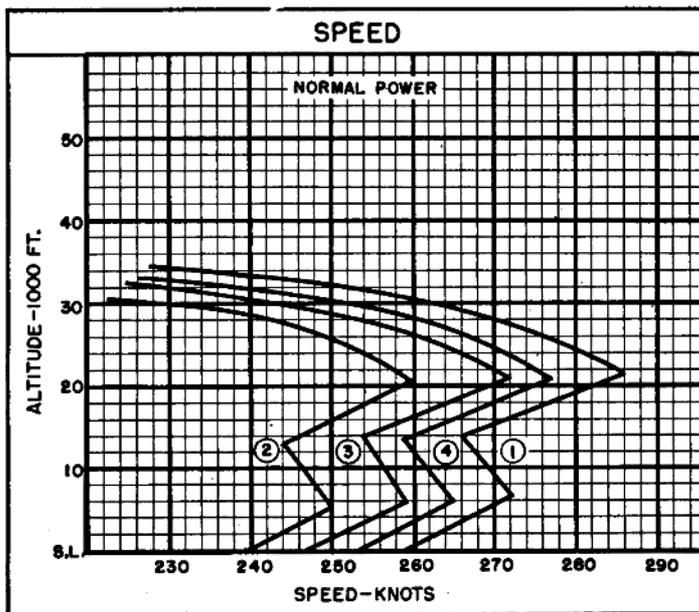
NOTES

(A) Take-off power.

(B) Normal power.

Performance Basis: Calculations and contractors flight test data.

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

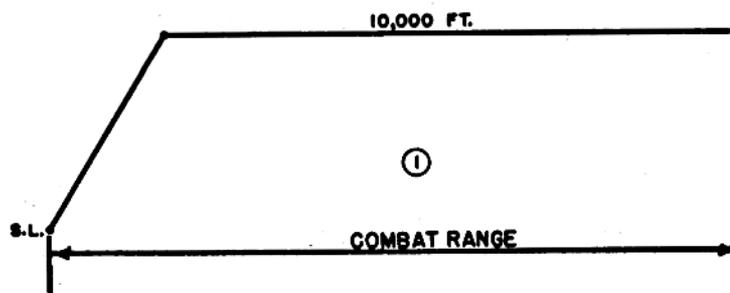


○ LOADING CONDITION COLUMN NUMBER

NOTES

COMBAT RANGE - RECIPROCATING ENGINE

WARM UP, TAXI, ACCELERATION: 5 minutes at normal rated power at sea level.
CLIMB: To cruise altitude at normal rated power.
CRUISE: At speed for long range at cruise altitude.
RESERVE: 20 minutes at speed for long range at sea level plus 5% of initial fuel.



○ LOADING CONDITION COLUMN NUMBER