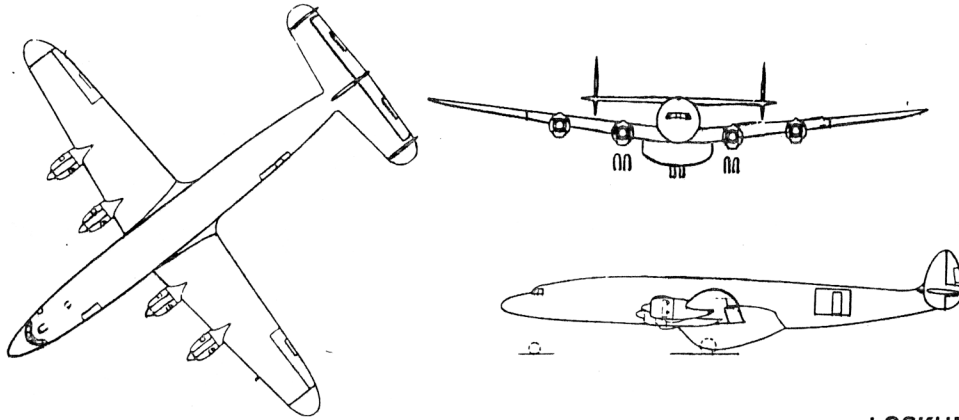


Characteristics Summary

TRAINER TC-121C



LOCKHEED

Wing Area 1653.6 sq ft Length 116.2 ft
 Span 123.0 ft Height 26.2 ft

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

STATUS

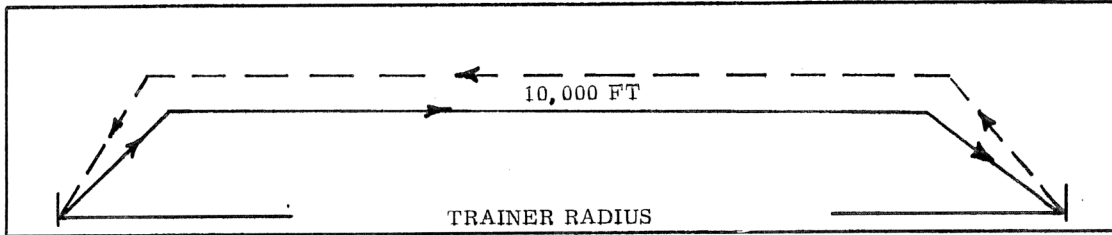
1. Development of RC-121C aircraft.
2. RC-121C aircraft were modified by removal of radar and electronics equipment, pertinent to search missions, and redesignated TC-121C.

Navy Equivalent: None

Mfrs Model: —

POWER PLANT	FEATURES	PERSONNEL
(4) R-3350-91 Wright ENGINE RATINGS BHP-RPM-ALT-MIN T.O. 3250-2900-S.L.-5 Mil: 3250-2900-5500-5 2550-2600-17,000-5 Nor: 2600-2600-S.L.-Cont 2650-2600-6500-Cont	Following items were deleted during modification to TC-121C configuration: Search Radar Grand Position Indicator Height Finder ECM Direction Finder Moving Target Indicator Radar Relay Transmitter Radar Relay Receiver	Crew 9 Pilot, Co-pilot, Flt Engr. Navigator, & Radio Operator Provisions for following personnel were removed during modification from RC to TC-121C: CIC Officer Control Officers (5) Plotter Talker ECM Operator Height Finder Operator Relief Crew (7) Technicians (3)

Characteristics Summary Basic Mission TC-121C



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
<p>1490 naut. mi</p> <p>with 0 lb payload</p> <p>at 216 knots avg.</p> <p>in 13.9 hours.</p>	<p>3160 naut. mi</p> <p>with 0 lb payload</p> <p>at 216 knots avg.</p> <p>in 14.7 hours.</p>	<p>297 knots at 10,000 ft alt, meto power</p> <p>MAXIMUM SPEED</p> <p>314 knots at 20,000 ft alt, meto power</p>
CLIMB	CEILING	TAKE-OFF
<p>1295 fpm sea level, take-off weight meto power</p>	<p>24,200 ft 100 fpm, take-off weight meto power</p>	<p>ground run</p> <p>2840 ft — ft no assist assisted</p>
<p>1705 fpm sea level, combat weight meto power</p>	<p>23,800 ft 500 fpm, combat weight meto power</p>	<p>over 50 ft height</p> <p>4200 ft — ft no assist assisted</p>
LOAD	WEIGHTS	STALLING SPEED
<p>Payload: none</p> <p>Fuel: 6550 gal</p> <p>protected 0 %</p> <p>droppable 0 %</p> <p>external 0 %</p>	<p>Empty..... 78,049 lb</p> <p>Combat... 105,900 lb</p> <p>Take - off 124,300 lb</p> <p>limited by</p>	<p>92 knots flaps down, take-off weight</p> <p>TIME TO CLIMB</p> <p>S. L. to 10,000 ft 8.6 min T. O. wt, meto power</p>

- N O T E S**
- Performance Basis:
 - Flight tests
 - Performance Reference: T. O. 1C-121C-1 dated 1 June 60
 - Revision Basis: Initial issue