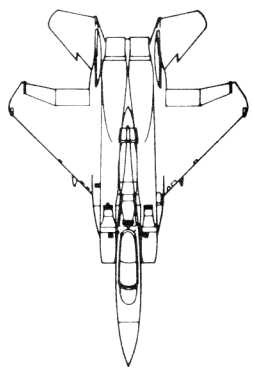
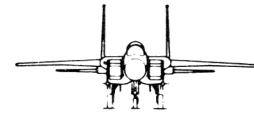


Characteristics Summary

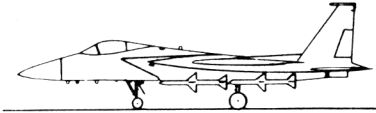
(U) TRAINER TF-15A



EAGLE



McDONNELL



Wing Area 608 sq ft Length 63.75 ft
Span 42.81 ft Height 18.45 ft

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

(U) **STATUS**

1. Contract Definition Phase: Jan 69	4. First Squadron Delivery: Dec 74
2. Engineering Development: Jan 70	
3. First Flight: Jul 70	
Navy Equivalent: None	Mfr's Model: 199 ICT

(C) **POWER PLANT**

(2) F100-PW-100

Pratt & Whitney

ENGINE RATINGS

S. L. S. LB	- † RPM	- MIN
Max: *23,840-10,160/12,960-		5
Intermed:		30
14,690-10,190/12,970-		
Max Cont:		Cont
12,410-	9840/12,570-	

* With afterburner operating
† LP/HP Rotor

(U) **FEATURES**

Crew 2

Swept wings and tails
Twin vertical tails
Trailing edge flaps
All fuel tanks contain foam for survivability.

Pressurized cockpit with an ESPAC-1C (MOD) eject. seat.
Liquid oxygen sys. and Anti-G non pressure suit prov.
Fire Control System
HUD Head-up Display
Dual cockpit controls
Inflight refueling
Inertial Nav. Set
TEWS (Prov.)

Max Fuel Capacity: 3514 gal

(U) **ARMAMENT**

Guns: (1) M61A1, 20mm, 938 yds
Location Rt/hand wing root fillet aft of the engine inlet.

Missiles:
(4) AIM-7F
(4) AIM-9E/AIM-9L

Bombs:
(18) MK-82 Slick or Snakeye
(3) MK-84 Laser, IR, EO, Slick

Firebombs:
(9) BLU-27B/B (Finned)
(9) BLU-27B/B (Unfined)

Dispensers:
(9) CBU-42/A
(12) CBU-52B/B, CBU-58/B, CBU-71/B
(18) MK-20 (Rockeye)

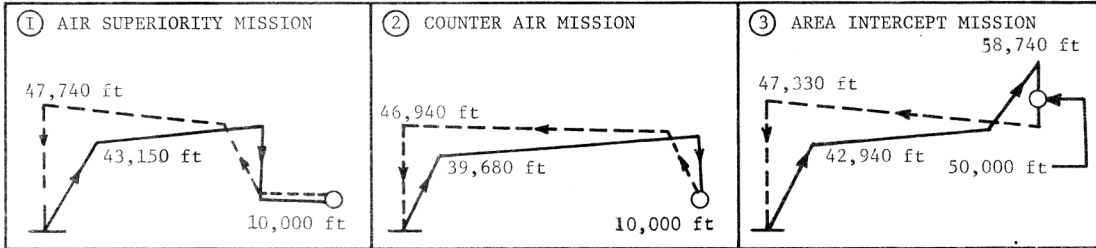
Training:
(3) SUU-20B/A

Classification cancelled or changed to Unclassified
 AUTH: Security Classification Guide, Oct 86
 By William M. White, 35-9
 Signature and Grade
 7/30/87

CLASSIFIED BY F-15 SEC GUIDE
 EXEMPT FROM GDS OF EO 11652
 EXEMPTION: CATEGORY 3
 DECLASSIFY ON: 31 DEC 1988

SERVICE

Characteristics Summary Basic Mission TF-15A
(C)



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D																				
<p>① 233 nautical miles at 502 knots average in 0.92 hours</p> <p>② 611 nautical miles at 502 knots average in 2.44 hours</p> <p>③ 353 nautical miles at 502 knots average in 1.41 hours</p>	<p>2274 naut. mi with 3514 gal fuel at 502 knots avg. in 4.54 hours at 52,883 lb T.O. wt.</p>	<p>COMBAT 893 knots at 10,000 ft alt, max power</p> <p>MAX 1434 knots at 45,000 ft alt, max power</p> <p>BASIC 1273 knots at 35,000 ft alt, max power</p>																				
CLIMB (C)	CEILING (C)	TAKE-OFF (U)																				
<p>18,080 fpm sea level, take-off weight intermed power</p> <p>65,020 fpm sea level, combat weight maximum power</p>	<p>49,240 ft 100 fpm, take-off weight intermed power</p> <p>61,790 ft 500 fpm, combat weight maximum power</p>	<p>ground run 950 ft maximum power</p> <p>over 50 ft height 1810 ft maximum power</p>																				
LOAD (C)	WEIGHTS (U)	STALLING SPEED (C)																				
<p>① (4) AIM-7F ② (4) AIM-7F plus (2) MK-84 ③ (4) AIM-7F</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">①</td> <td style="text-align: center;">②</td> <td style="text-align: center;">③</td> </tr> <tr> <td>Fuel (gal)</td> <td style="text-align: center;">1714</td> <td style="text-align: center;">2314</td> <td style="text-align: center;">1714</td> </tr> <tr> <td>Protected</td> <td style="text-align: center;">24.7%</td> <td style="text-align: center;">18.3%</td> <td style="text-align: center;">24.7%</td> </tr> <tr> <td>Droppable</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">25.9%</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>External</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">25.9%</td> <td style="text-align: center;">0%</td> </tr> </table>		①	②	③	Fuel (gal)	1714	2314	1714	Protected	24.7%	18.3%	24.7%	Droppable	0%	25.9%	0%	External	0%	25.9%	0%	<p>Empty 26,289 lb</p> <p>Combat 37,256 lb ① 38,428 lb ② 36,114 lb ③</p> <p>Take-off 41,133 lb ① 50,303 lb ② 41,133 lb ③</p>	<p>① 129 knots power-off, landing config- uration, take-off weight</p> <p>TIME TO CLIMB</p> <p>① 2.34 min Sea Level to 30,000 ft T. O. Wt., intermed pwr</p>
	①	②	③																			
Fuel (gal)	1714	2314	1714																			
Protected	24.7%	18.3%	24.7%																			
Droppable	0%	25.9%	0%																			
External	0%	25.9%	0%																			

NOTES

(U)

1. Performance Basis:
 - (a) Contractor's estimated data; dtd Jul 74
 - (b) Climb, Ceiling, Take-off, Speeds and Time to Climb are based on Mission ①
 - (c) Distances for Counter Air and Ferry Missions are decreased when external tanks are retained.
2. Revision Basis: Initial Issue.