

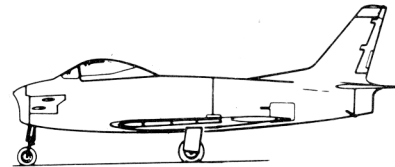
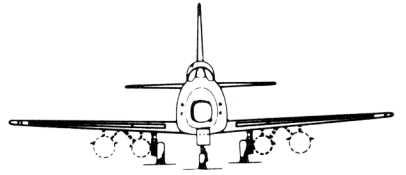
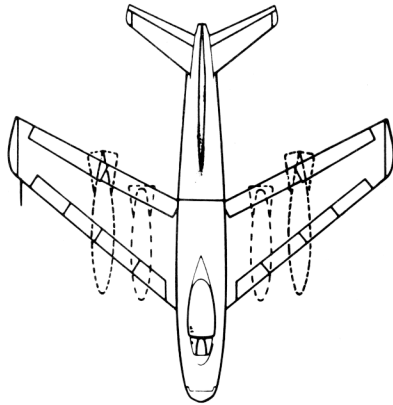
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A-1  
F-86H/char  
SERVICE

# Characteristics Summary

FIGHTER . . . . . F-86H



"SABRE"

NORTH AMERICAN

Wing Area . . . . . 313.4 sq ft    Length . . . . . 38.8 ft  
Span . . . . . 39.1 ft    Height . . . . . 15.0 ft

### AVAILABILITY

### PROCUREMENT

Number available

Number to be delivered in fiscal years

| ACTIVE | RESERVE | TOTAL |  |  |  |  |
|--------|---------|-------|--|--|--|--|
|        |         |       |  |  |  |  |

### STATUS

- The F-86H is a continuation of the F-86 series incorporating the increased thrust of the J73-GE-3E engine, a combination slatted-extended leading edge configuration and wing tip extensions.
- Contract Approved: May 51
- First Flight: May 53
- First Delivery: Jan 53
- Production Completed: Aug 55

Navy Equivalent: None

Mfr's Model: NA-187, NA-203

### POWER PLANT

(1) J73-GE-3E

General Electric

#### ENGINE RATINGS

S.L.S. LB - RPM - MIN

Max: 8920 - 7950 - 5

Mil: 8920 - 7950 - 30

Nor: 7820 - 7650 - Cont

### FEATURES

Crew . . . . . 1  
 MA-3 Low Altitude Bombing System (LABS)  
 M-1 Toss Bomb Computer  
 T-145 Bomb Release System  
 A-4 Gun-Bomb-Rocket Sight with AN-APG-30 Radar  
 Extended Leading Edge  
 Power Operated Irreversible Flight Controls  
 Speed Brakes  
 Electrically Operated Flaps  
 Gaseous Oxygen System

Max Fuel Capacity: 1203 gal

### ARMAMENT

Guns . . . 4 x 20mm(M-39)  
 \*or 6 x 50 cal(M-3)  
 Ammo(tot) 600 rds(20 mm)  
 or 1800 rds(50 cal)  
 Rockets . . . 8 x 5" HVAR  
 BOMBS:

Class(lb) Load

WWII  
 (Box Fin) ... 1000 ..2x1000  
 INTERIM  
 (Conical Fin) ..1000.2x1000  
 NEW SERIES ... 1000.2x1000  
 (Napalm) . . . 750..2x750  
 SPECIAL STORES  
 (Mark 12) ... 1200..1x1200

Max Bomb Size . . .1200 lb  
Max Bomb Load . . 2000 lb

\*See Note "c".

CLASSIFICATION CANCELLED  
 (OR CHANGED TO) *Unclassified*  
 BY AUTHORITY OF *AFSC - AFHQ*  
 RESTRICTED DATA  
 BY AUTHORITY OF *AFSC - AFHQ*  
 ATOMIC ENERGY ACT 1954  
 (INDIVIDUAL OR WRITTEN AUTHORITY)  
 DATE *1 Oct 56*  
 INDIVIDUAL SIGNING CHANGE *[Signature]* DATE *[Date]*

Classification cancelled  
 or changed to *Unclassified*  
 AUTH: *AFSC - AFHQ*  
 By *A. R. [Signature]*  
 Signature and Grade  
 DATE *1 Oct 64*

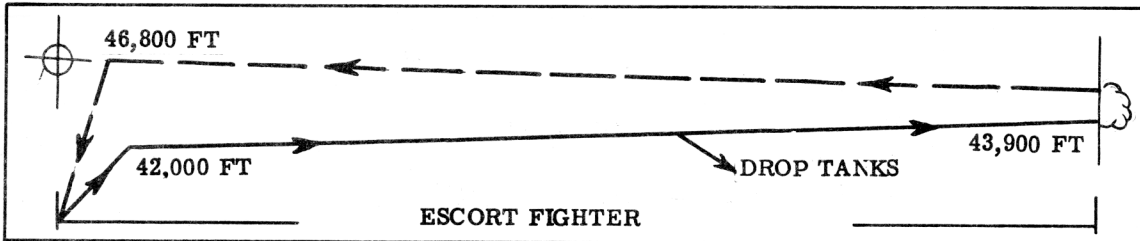
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F-86H

*H&G Ed addn # 15*

*Characteristics Summary Basic Mission . . . . . F-86H*



| PERFORMANCE   |  |   |
|---|--|---|
| COMBAT RADIUS   | FERRY RANGE  | S P E E D   |
| 451 naut. mi<br>with 420 lb payload<br>at 480 knots avg.<br>in 2.22 hours.                                | 1573 naut. mi<br>with 1203 gal fuel<br>at 476 knots avg.<br>in 3.35 hours<br>at 23,716 lb T.O. wt. b | COMBAT 524 knots at<br>43,900 ft alt, max power<br>MAX 601 knots at<br>zero ft alt, max power<br>BASIC 536 knots at<br>35,000 ft alt, max power |
| C L I M B   | C E I L I N G  | T A K E - O F F   |
| 8580 fpm<br>sea level, take-off weight<br>maximum power   | 45,600 ft<br>100 fpm, take-off weight<br>maximum power   | ground run<br>2310 ft no assist   _____ ft assisted   |
| 12,900 fpm<br>sea level, combat weight<br>maximum power   | 49,000 ft<br>500 fpm, combat weight<br>maximum power   | over 50 ft height<br>3510 ft no assist   _____ ft assisted  |
| L O A D   | W E I G H T S  | S T A L L I N G S P E E D   |
| Ammunition...600 rds/20mm<br><br>Fuel: 963 gal<br>protected 58.5 %<br>droppable 41.5 %<br>external 41.5 % | Empty..... 13,836 lb<br>Combat... 18,683 lb<br>Take - off 21,852 lb<br><br>limited by mission.       | 119.5 knots<br>power-off, landing config-<br>uration, take-off weight   |
|   |  | T I M E T O C L I M B   |
|   |  | _____   |

**RESTRICTED DATA**  
**ATOMIC ENERGY ACT 1954**

**N O T E S**

1. Performance Basis:  
 (a) Flight tests  
 (b) Includes 420 lb of ballast.  
 (c) Above data are for aircraft with 4 x 20mm(M-39) guns. First 116 aircraft have 6 x 50 cal(M-3) guns installed and weigh 286 lb less.

2. Revision Basis: To reflect addition of slatted-extended leading edge, wing tip extensions, gun changes and flight test results.

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 (INDIVIDUAL OR WRITTEN AUTHORITY)  
A.R. Johnson 70 Aug 68  
 (GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)