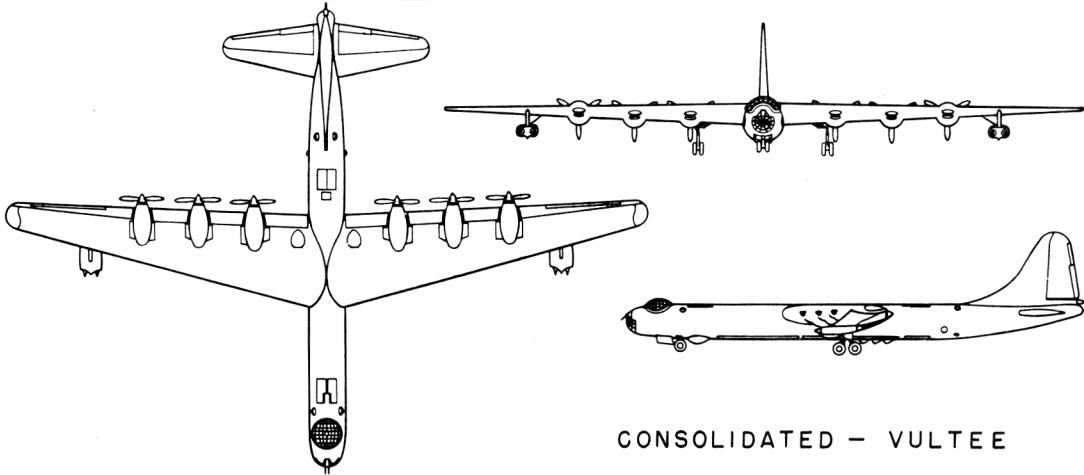


Characteristics Summary

RECONNAISSANCE RB-36E



CONSOLIDATED - VULTEE

Wing area 4772 sq ft Length 162.1 ft

Span 230 ft Height 46.8 ft

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

STATUS

1. All B-36A's are currently being modified and redesignated RB-36E's
2. First flight: Jul 1950
3. First acceptance: 24 Jul 1950
4. First delivery: 27 Jul 1950

POWER PLANT

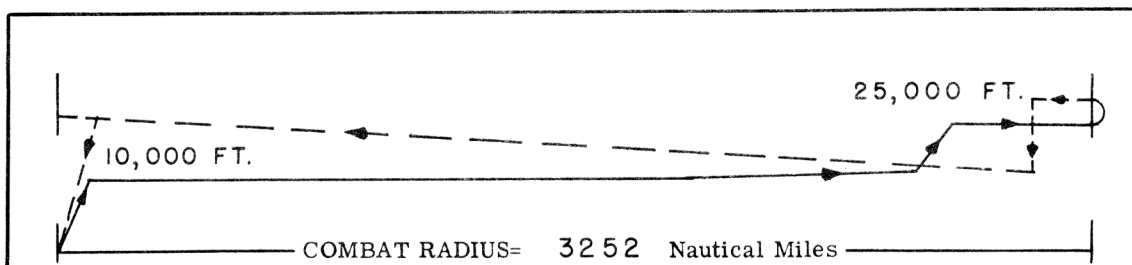
(6) R-4360-41 Pratt-Whitney
ENGINE RATINGS
BHP - RPM - ALT
T.O: *3500 - 2700 - S.L.
3250 - 2700 - S.L.
Mil: *3500 - 2700 - 500
Nor: 2650 - 2550 - 5500
*Wet plus
(4) J47-GE-19 General Electric
ENGINE RATINGS
S.L. Static LB - RPM
Max: 5200 - 7950
Mil: 5200 - 7950
Nor: 4730 - 7630

FEATURES

Crew: 18
Cameras: 14
Cabin Pressurization
Thermal Anti-icing
Bombing-Navigation Radar
Gun Laying Radar
Defensive & Ferret ECM
Fuel Tank Purging
Max Fuel Cap: 33,060 gal

ARMAMENT

Turrets: 8
Guns: 16 x 20mm
Ammunition (tot.): 9200 rds
Max Flash Bombs: (80) T-86

Characteristics Summary Basic Mission ··· RB-36E**PERFORMANCE**

COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
3252 ^(d) naut. mi with 2256* lb payload 3283** at 195 knots avg. in 33.63 hours.	6410 ^(d) naut. mi with 2256* lb payload 3283** at 189 knots avg. in 34.15 hours.	368 ^(e) knots at 25,000 ft alt, max power MAXIMUM SPEED 377 ^(e) knots at 32,100 ft alt, max power
CLIMB	CEILING	TAKE - OFF
1050 ^(e) fpm sea level, take-off weight normal power	33,150 ^(e) ft 100 fpm, take-off weight normal power	ground run 4440 ^(e) ft no assist — ft assisted
2390 ^(e) fpm sea level, combat weight maximum power	41,500 ^(e) ft 500 fpm, combat weight maximum power	over 50 ft height 5550 ^(e) ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Flash Bombs: 2256 lb Cameras: 3283 lb Ammunition: 9200 rds/20mm Fuel: 28,806 gal protected 51 % droppable 0 % external 0 %	Empty..... 161,784 lb Combat... 252,200 lb Take - off 357,500 lb limited by strength	105 knots flaps down, take-off weight TIME TO CLIMB —

NOTES

- PERFORMANCE BASIS:
 - Estimated data based on preliminary flight test of No. 54 B-36B jet pod prototype.
 - Fuel density: 6.0 lb/gal.
 - In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.
 - For Combat Radius and Range J47 engines are used for take-off, all climbs, bomb run and escape from target area but are inoperative for all normal cruising.
 - J47 engine operative.
- REVISION BASIS: To reflect correct jet engine designation, security classification, "Status" and type flash bombs.
- Performance data for the RB-36E with jet pods removed are shown in MCRE Report No. 2 "USAF Standard Aircraft Characteristics"
 - *Flash bombs dropped at target
 - **Cameras

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WF-O-2 JUN 29 1950
Patterson Air Force Base
RB-36E
Onio 45433

~~RESTRICTED~~

8 SEPT. 1950