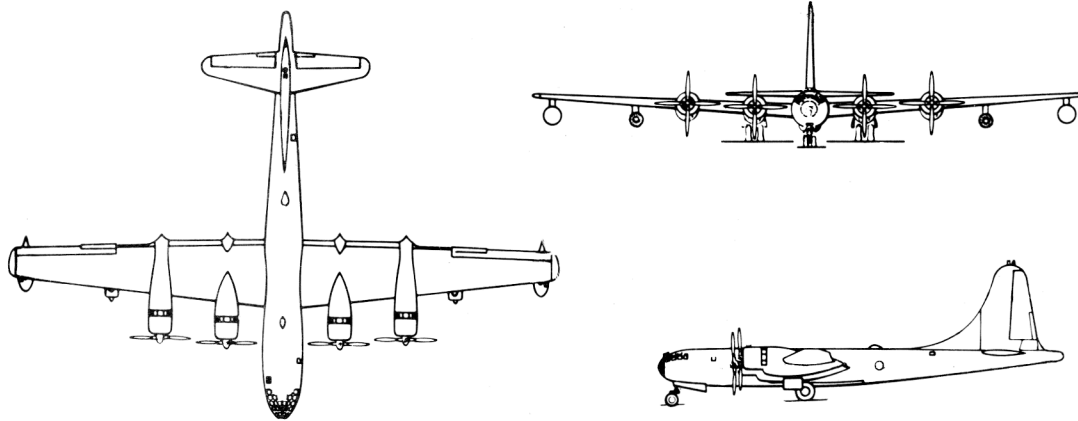


*AI  
(K)B-50/char/*

# Characteristics Summary

TANKER ..... KB-50 (JET) —



BOEING (Hayes Aircraft)

Wing Area ..... 1720 sq ft    Length ..... 105.1 ft  
 Span ..... 141.2 ft    Height ..... 33.6 ft  
 (fin folded) ..... 20.6 ft

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

## STATUS

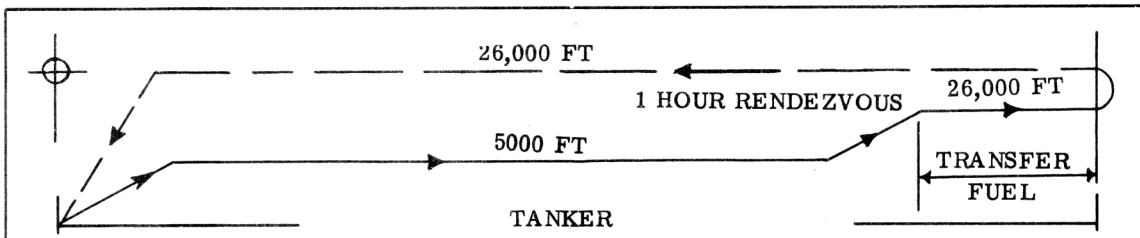
1. For modification of KB-50 airplane to KB-50(Jet) configuration, external fuel tanks and pylons are removed. Addition of J47-GE-23 engines in pods suspended from pylons at the wing station where the pylon tanks were previously installed. The fuselage is modified for external fairlead which results in six feet increase in fuselage length.
  2. First flight (prototype): Apr 57
  3. First acceptance (prototype): Jun 57 (est)
- Navy Equivalent: None Mfr's Model: -----

POWER PLANT	
(4) R-4360-35	
Pratt & Whitney	
ENGINE RATINGS	
BHP - RPM - ALT - MIN	
T.O.:	*3500 - 2700 - Turbo - 5
	3250 - 2700 - Turbo - 5
Mil:	*3500 - 2700 - Turbo - 30
	3250 - 2700 - Turbo - 30
Nor:	2650 - 2550 - Turbo - Cont
*Wet	plus
	(2) J47-GE-23
General Electric	
S.L.Static	LB - RPM - MIN
Max:	5910 - 7950 - 5
Mil:	5620 - 7800 - 30
Nor:	5270 - 7630 - Cont

FEATURES	
Crew	..... 6
Cabin pressurization and heating	
(3) Type A-12B-1 flight refueling reels	
Type MA-2 reception coupling	
Simultaneous aerial refueling of three fighter type aircraft by probe and drogue method	
Max fuel cap:	12,467 gal

ARMAMENT
All defensive armament removed

# Characteristics Summary Basic Mission... KB-50 (JET)



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	(c) S P E E D
1000 naut. mi with 30,895 lb payload at 230 knots avg. in 9.87 hours.	4970 naut. mi with 12,120 <sup>(b)</sup> gal fuel at 196 knots avg. in 25.6 hours at 173,000 lb T.O. wt.	COMBAT 26,000 371 <sup>(e)</sup> knots at ft alt, max power (364) <sup>(d)</sup> MAX 17,000 386 knots at ft alt, max power BASIC 5000 318 <sup>(e)</sup> knots at ft alt, max power
CLIMB	CEILING	TAKE-OFF
1527 fpm sea level, take-off weight normal power	34,400 ft 100 fpm, take-off weight normal power	ground run 4025 ft no assist   _____ ft assisted
3510 fpm sea level, combat weight maximum power	40,000 ft 500 fpm, combat weight maximum power	over 50 ft height 5050ft no assist   _____ ft assisted
LOAD	WEIGHTS	STALLING SPEED
Transfer Fuel: 30,895 lb  Fuel: 6551 gal protected 100% droppable 0% external 0%	Empty..... 92,090 lb Combat... 112,957 lb Take - off 173,000 lb  limited by strength	114 knots power-off, landing config- uration, take-off weight  <b>TIME TO CLIMB</b> _____

**NOTES**

- Performance Basis:
  - Calculated data based on USAF flight tests of B-50D and KB-50 aircraft plus jet engine Spec Nr E-5916 (J47-23).
  - Includes JP-4 fuel used for take-off, initial climb and fuel transfer. Aviation gas to be used in follow-on models.
  - The speeds shown are limit airspeeds and can be attained at power settings less than maximum.
  - Speed in paranthesis are for hoses and drogues extended.
  - These speeds are for hoses and drogues extended or retracted.
- Performance Reference: Hayes Report Nr 195 dated 20 November 1956.
- Revision Basis: To reflect correction in number of crew members.

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