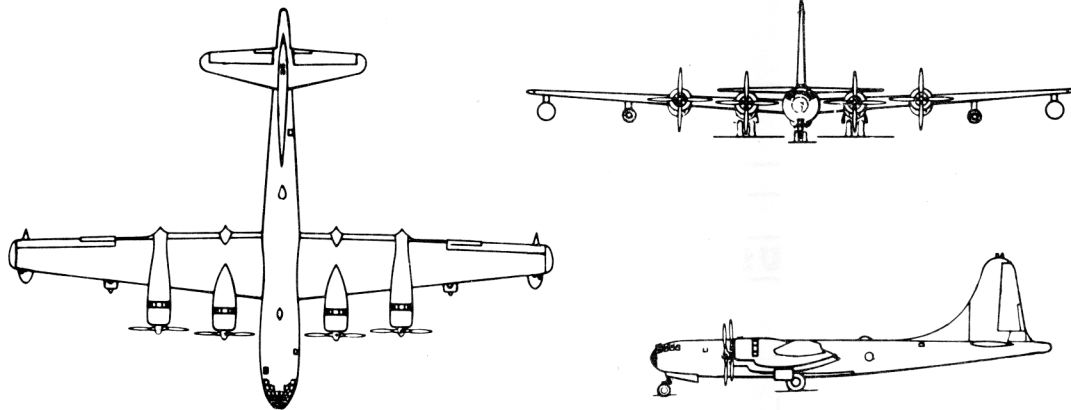


A1
(K) B-50J/char

Characteristics Summary

TANKER KB-50 J&K



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

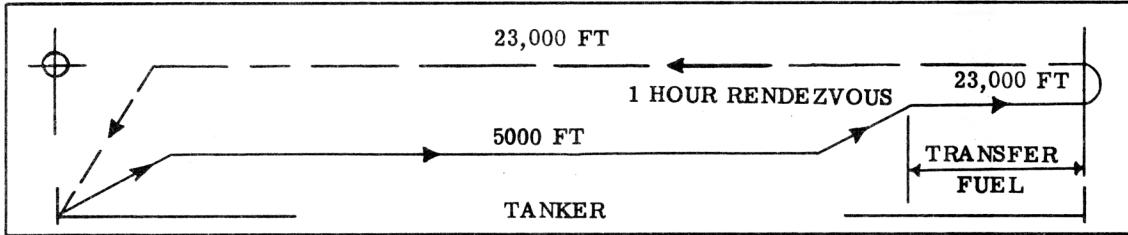
AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- The KB-50J and K airplanes are identical except by origin. The KB-50J's are modified B-50D and TB-50D aircraft. The KB-50K's are modified TB-50H's. Major modifications are; the addition of J47-GE-23 engines in pods suspended on pylons in place of external fuel tanks and pylons, and incorporation of a fuselage refueling reel extended fairlead mechanism which results in a six feet increase in fuselage length.
 - First Flight ... Dec 57
 - First Acpt ... Jan 58
 - Prod. Completion .. (128 A/C) Oct 58 (est)
- Navy Equivalent: None Mfr's Model: -----

POWER PLANT	FEATURES	ARMAMENT
(4) R-4360-35 or 35A 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: (Approx 8 min water plus supply) (2) J47-GE-23 General Electric S.L.Static LB - RPM - MIN Max: 5910 - 7950 - 5 Mil: 5620 - 7800 - 30 Nor: 5270 - 7630 - Cont	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	All defensive armament removed

Characteristics Summary Basic Mission... KB-50 J&K



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
1000 naut. mi with 31,263 lb payload at 219 knots avg. in 10.1 hours.	4727 naut. mi with 12,487 gal fuel at 191 knots avg. in 24.8 hours at 176,478 lb T.O. wt.	COMBAT 376 ^{(b) (d)} knots at 23,000 ft alt, max power MAX 386 ^{(363) (b)} knots at 17,000 ft alt, max power BASIC 319 ^{(b) (d)} knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1470 fpm sea level, take-off weight METO power	32,200 ft 100 fpm, take-off weight METO power	ground run 4750 ft no assist — ft assisted
3260 fpm sea level, combat weight maximum power	38,800 ft 500 fpm, combat weight maximum power	over 50 ft height 5940 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
Transfer Fuel: 31,263 lb Fuel: 7635 gal protected 100 % droppable 0 % external 0 %	Empty..... 93,155 lb Combat... 116,350 lb Take - off 178,629 lb limited by volume	116 knots power-off, landing configuration, take-off weight
		T I M E T O C L I M B

- N O T E S**
- Performance Basis:
 - Data based on flight tests of KB-50 J aircraft.
 - The speeds shown are limit airspeeds and can be attained at power settings less than maximum.
 - Speed in paranthesis are for all hoses and drogues extended.
 - These speeds are for hoses and drogues extended or retracted.
 - Performance Reference: Hayes Report Nr 195 dated 20 November 1956 and ER-301, dated 20 January 1958, and ER-451 dated 1 Sep 59.
 - Revision Basis: To incorporate current flight test data and increased gross weight.