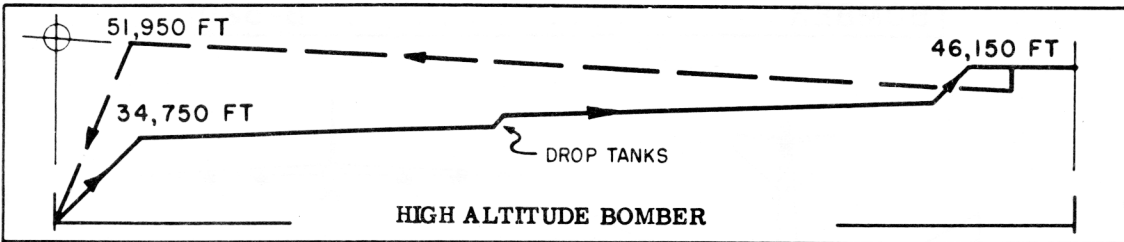




*Characteristics Summary Basic Mission* . . . . . B-52D



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
3625 naut. mi with 10,000 lb payload at 457 knots avg. in 15.93 hours.	7260 <sup>(c)</sup> naut. mi with 42,110 gal fuel at 457 knots avg. in 15.93 hours at 447,500 lb T.O. wt.	COMBAT 489 knots at 46,150 ft alt, max power MAX 546 <sup>(b)</sup> knots at 20,000 ft alt, max power BASIC 518 knots at 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 (d)
2240 fpm sea level, take-off weight normal power	38,050 ft 100 fpm, take-off weight normal power	ground run 8350 ft   — ft no assist   assisted
5430 fpm sea level, combat weight maximum power	47,350 ft 500 fpm, combat weight maximum power	over 50 ft height 10,650 ft   — ft no assist   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
Bombs . . . . . 10,000 lb Ammunition: 2400 rds/.50 cal  Fuel: 40,956 gal protected 63% droppable 15% external 15%	Empty..... 165,110 lb Combat... 279,900 lb Take - off 450,000 lb  limited by structure	136 knots power-off, landing config- uration, take-off weight  <b>T I M E T O C L I M B</b>  —————

**N O T E S**

1 Performance Basis:  
 (a) Preliminary flight test of XB-52 and YB-52.  
 (b) Limited by structure  
 (c) Tank carried all the way  
 (d) Per design criteria the minimum take-off distances are: 7800 ft ground run and 10,650 ft over 50 ft obstacle.  
 Revision Basis: To reflect latest performance and characteristics data.

Property of the Air Force Research and Development Command  
 Wright-Patterson AFB, Ohio 45433  
 Form 45443 Rev. 10-53  
 Mr. Torpe Base