

MODEL (S)
B-25C
B-25D

FLIGHT OPERATION INSTRUCTION CHART

SHEET OF SHEETS
EXTERNAL LOAD ITEMS
 NONE

GR. WT. **34,000** TO **30,000** POUNDS

CONDITION	R.P.M.	M.P. (IN. HG.)	BLOWER POSITION	MIXTURE	DURATION
					IN. MIN.
TAKE-OFF	2600	44.0	LOW	FULL	5
MILITARY POWER	2600	42	LOW	FULL	5
ENGINE (S)	R-2600-13				

INSTRUCTIONS FOR USING CHART: Select figure in fuel column equal to or less than total amount of fuel in airplane. Move horizontally to the right or left and select a figure equal to or greater than the air miles to be flown. Vertically below and opposite desired cruising altitude read optimum cruising conditions. NOTES: (A) Avoid continuous cruising in Column I except in emergency. (B) Columns (I), (II), (IV) & (V) toward the right progressively give increase in range at sacrifice in speed. (C) Manifold Pressure (M.P.), Gallons Per Hour (G.P.H.), and True Airspeed are approximate maximum values for reference. (D) For quick reference, take-off and military power data are listed in the upper left corner of chart.

ALTERNATE CRUISING CONDITIONS (NO RESERVE FUEL ALLOWANCE)											
(NO WIND)											
I (MAX. CONT. POWER)		II		III				IV		V (MAX. RANGE)	
RANGE IN AIR MILES		RANGE IN AIR MILES		RANGE IN AIR MILES		RANGE IN AIR MILES		RANGE IN AIR MILES		RANGE IN AIR MILES	
STATUTE		STATUTE		STATUTE		STATUTE		STATUTE		STATUTE	
NAUTICAL		NAUTICAL		NAUTICAL		NAUTICAL		NAUTICAL		NAUTICAL	
1110	960	1870	1630	2160	1880	2460	2140	2750	2390		
1020	890	1730	1500	2000	1730	2260	1970	2540	2200		
950	820	1600	1390	1850	1610	2100	1820	2350	2040		
870	760	1480	1280	1710	1480	1940	1690	2170	1880		
800	700	1360	1180	1570	1360	1780	1540	1990	1730		
730	630	1230	1070	1420	1240	1620	1400	1810	1570		
660	570	1110	960	1280	1110	1460	1260	1630	1410		
580	510	990	860	1140	990	1290	1120	1450	1260		
510	440	860	750	1000	870	1130	980	1270	1100		
440	380	740	640	860	740	970	840	1090	940		
360	320	620	540	710	620	810	700	900	790		
290	250	490	430	570	490	650	560	720	630		

OPERATING DATA		OPERATING DATA		OPERATING DATA		OPERATING DATA		OPERATING DATA																			
M.P. (IN. HG.)	T.A.S. (M.P.H.)	M.P. (IN. HG.)	T.A.S. (M.P.H.)	M.P. (IN. HG.)	T.A.S. (M.P.H.)	M.P. (IN. HG.)	T.A.S. (M.P.H.)	M.P. (IN. HG.)	T.A.S. (M.P.H.)																		
U.S. KNOTS	IMP. KNOTS	U.S. KNOTS	IMP. KNOTS	U.S. KNOTS	IMP. KNOTS	U.S. KNOTS	IMP. KNOTS	U.S. KNOTS	IMP. KNOTS																		
2400	260	225	300	250	2200	28	170	147	215	179	2100	27.5	160	138	155	129	30000										
2400	280	242	375	312	2100	32.5	195	169	230	191	2250	25.5	190	165	165	137	2050	23.5	175	152	15000						
2400	39	275	238	365	304	2200	29	210	182	220	2100	27.5	200	173	175	146	2000	26	185	160	12000						
2400	F.T.	275	238	330	275	2100	30.5	215	186	215	2050	28.5	205	178	175	146	2000	27.5	195	169	9000						
2400	38	275	238	375	312	2050	30.5	215	186	210	175	2000	29	210	182	170	142	2000	28	200	173	6000					
2400	38	265	229	355	295	2100	31.5	220	190	210	175	2000	29.5	210	182	160	133	1950	28.5	200	173	3000					
2400	38	255	221	340	283	2050	30.5	220	190	175	146	2000	30	210	182	150	125	1950	29.0	200	173	S. L.					

OPERATING DATA		OPERATING DATA		OPERATING DATA	
R.P.M.	M.P. (IN. HG.)	T.A.S. (M.P.H.)	U.S. KNOTS	IMP. KNOTS	DENSITY ALT. (IN FEET)
					30000
					25000
					20000
					15000
					12000
					9000
					6000
					3000
					S. L.

LEGEND

1 Range values of 14,000 ft. only

2 Allow 19 U.S. gal. Imp. gal. for warm up, take-off to 5,000 feet altitude and climb. Use fuel return flows to tank.

IMP.: Indicated Air Speed
 T.A.S.: True Air Speed
 M.P.: Manifold Pressure (In. Hg.)
 U.S.G.P.H.: U.S. Gallons Per Hour
 IMP.G.P.H.: Imperial Gallons Per Hour
 F.T.: Full Throttle

BOLD NUMBERS: Use Auto-Rich
LIGHT ITALICS: Use Auto-Lean
WITH TWO SPEED BLOWER: Use high blower above heavy line only

REFER TO "SPECIFIC ENGINE FLIGHT CHART" FOR ADDITIONAL ENGINE OPERATION DATA.

UNDERLINED FIGURES ARE PRELIMINARY: SUBJECT TO REVISION AFTER FLIGHT CHECK