

# BEECH AIRCRAFT CORPORATION

CRUISING HORSEPOWER SETTINGS FOR CONTINENTAL E-225-8 ENGINE

SEA LEVEL				2000 FEET				
M.P. AT 2300 RPM	M.P. AT 2100 RPM	M.P. AT 1900 RPM	OAT °F	B.H.P.	OAT °F	M.P. AT 2300 RPM	M.P. AT 2100 RPM	M.P. AT 1900 RPM
20.2	22.0			146		20.5	22.3	
17.4	19.1	21.6	0	120	0	17.7	19.4	21.9
15.7	17.1	19.2		100		16.0	17.3	19.5
13.7	15.0	16.9		80		14.9	15.2	17.2
20.9	22.7			146		21.2	23.1	
18.1	19.7	22.4	20	120	20	18.4	20.1	22.8
16.2	17.8	19.8		100		16.5	17.9	20.2
14.2	15.5	17.4		80		14.4	15.7	17.7
21.6	23.5			146		21.9	23.8	
18.7	20.5	23.2	40	120	40	19.0	20.8	23.5
16.7	18.2	20.5		100		17.0	18.4	20.8
14.8	16.0	18.0		80		14.8	16.3	18.2
22.2				146		22.3		
19.3	21.1	23.9	60	120	60	19.3	21.1	23.9
17.2	18.7	21.1		100		17.2	18.7	21.1
15.0	16.4	18.4		80		15.0	16.4	18.4
22.5				146		22.5		
19.6	21.4		70	120	70	19.6	21.4	
17.4	18.9	21.4		100		17.4	21.3	21.4
15.2	16.6	18.6		80		15.2	16.6	18.6
22.8				146		22.8		
19.8	21.7		80	120	80	19.8	21.7	
17.7	19.2	21.7		100		17.7	19.2	21.7
15.3	16.8	18.8		80		15.3	16.8	18.9
23.0				146		23.1		
20.0	22.0		90	120	90	20.4	22.6	
18.0	19.5	21.9		100		17.9	19.4	22.0
15.4	17.0	19.0		80		15.5	17.3	19.1
23.2				146		23.1		
20.2	22.2		100	120	90	20.3	22.3	
18.1	19.6	22.2		100		18.1	19.7	19.6
15.6	17.2	19.2		80		15.6	17.2	19.2
4000 FEET				6000 FEET				
19.8	21.6			146		19.6	21.1	
17.2	18.4	21.1	0	120	0	18.0	18.5	20.7
15.3	16.6	18.6		100		15.1	16.4	18.3
12.5	14.4	16.3		80		12.9	14.1	15.9
20.5	22.4			146		20.3	21.8	
17.9	19.4	21.9	20	120	20	16.7	18.1	21.5
15.8	17.2	19.3		100		15.5	16.9	19.0
13.0	14.9	16.8		80		13.4	14.6	16.4
21.2	23.1			146		20.7	22.3	
18.5	20.1	22.7	40	120	30	17.0	19.5	21.9
16.2	17.7	19.9		100		15.7	17.2	19.3
13.4	15.4	17.3		80		13.6	14.9	16.7
21.5	23.4			146		21.0	22.6	
18.8	20.4	23.1	50	120	40	17.3	19.8	22.3
16.5	18.0	20.2		100		16.0	17.5	19.6
13.6	15.6	17.5		80		13.8	15.0	16.9
21.8	23.8			146		21.3	22.9	
19.1	20.4	23.4	60	120	50	17.6	20.1	22.7
16.7	18.2	20.5		100		16.2	17.8	19.9
13.8	15.8	17.8		80		14.0	15.3	17.1
22.1	24.0			146		21.6	23.2	
19.3	21.1	23.8	70	120	60	17.9	20.4	23.0
17.0	18.5	20.7		100		16.5	18.0	20.2
13.9	16.0	18.0		80		14.2	15.5	17.4
22.4				146		21.9		
19.6	21.3		80	120	70	18.1	20.7	23.4
17.2	18.7	21.1		100		16.7	18.3	20.5
14.1	16.2	18.3		80		14.4	15.7	17.6
22.6				146		22.5		
20.1	21.6		90	120	80	18.4	21.0	
17.4	18.9	21.4		100		16.9	18.5	18.1
14.2	16.4	18.4		80		14.7	15.9	17.8

**CRUISING POWER SETTINGS FOR CONTINENTAL E-225-B ENGINE**

8000 FEET				10000 FEET				
M.P. AT 2300 RPM	M.P. AT 2100 RPM	M.P. AT 1900 RPM	OAT °F	B.H.P.	OAT °F	M.P. AT 2300 RPM	M.P. AT 2100 RPM	M.P. AT 1900 RPM
19.5	21.4			146		19.1		
16.8	18.2	20.7	0	120	-10	16.4	18.0	
14.8	16.1	18.2		100		14.5	15.8	17.8
12.7	13.9	15.7		80		12.3	13.5	15.3
20.3				146		19.5		
17.5	19.0	21.6	20	120	0	16.7	18.3	
15.3	16.7	18.8		100		14.7	16.1	18.1
13.2	14.4	16.2		80		12.5	13.7	15.5
20.6				146		19.9		
17.8	19.9		30	120	10	17.0	18.7	
15.5	16.9	19.1		100		14.9	16.3	18.5
13.4	14.6	16.4		80		12.8	14.0	15.8
20.9				146				
18.1	19.6		40	120	20	17.4	19.0	
15.8	17.2	19.4		100		15.2	16.6	18.8
13.8	14.8	16.6		80		13.0	14.2	16.0
21.2				146				
18.4	19.9		50	120	30	17.7	19.3	
16.0	17.5	19.7		100		15.4	16.9	19.1
13.8	15.1	17.0		80		13.2	14.4	16.2
21.5				146				
18.7	20.2		60	120	40	18.0	19.7	
16.2	17.7	20.0		100		15.7	17.2	19.4
14.0	15.3	17.1		80		13.4	14.6	16.5
18.9	20.5		70	120	50	18.3	20.0	
16.4	17.9	20.3		100		15.9	17.4	19.7
14.1	15.5	17.3		80		13.6	14.9	16.7
19.2	20.8		80	120	60	18.5		
16.7	18.2	20.6		100		16.2	17.7	20.1
14.3	15.7	17.5		80		13.8	15.1	17.0

12000 FEET				TRUE AIRSPEED (WPH)				
M.P. AT 2300 RPM	M.P. AT 2100 RPM	M.P. AT 1900 RPM	OAT °F	B.H.P.	H.P.	S.L.	4000 FT.	8000 FT.
16.0	17.6		-10	120	146	176	180	184
14.2	15.5	17.3		100	120	163	169	175
12.0	13.2	14.8		80	100	150	155	159
16.2	17.9		0	120				
14.4	15.7	17.7		100				
12.2	13.4	15.0		80				
16.6	18.3		10	120				
14.7	16.0	18.0		100				
12.5	13.7	15.3		80				
17.0	18.6		20	120				
14.9	16.3	18.3		100				
12.7	13.9	15.5		80				
17.3			30	120				
15.1	16.8	18.6		100				
12.9	14.1	15.7		80				
17.8			40	120				
15.4	16.9			100				
13.1	14.3	16.0		80				
17.9			50	120				
15.6	17.1			100				
13.2	14.6	16.2		80				
18.2			60	120				
15.7	17.4			100				
13.5	14.8	16.5		80				

**FUEL CONSUMPTION**

H.P.	R.P.M.	GAL/HR.	MILES/GAL @ 8000 FT.
146	2300	11.3	16.3
120	2100	9.8	17.8
100	1900	8.0	19.9

**NOTE**

DO NOT EXCEED 2300 RPM  
OR 24 IN. H.G. FOR  
MAXIMUM CRUISE