

BEECH AIRCRAFT CORPORATION

CRUISING HORSEPOWER SETTINGS FOR CONTINENTAL E-225-8 ENGINE

SEA LEVEL				2000 FEET				
MP AT 2300 RPM	MP AT 2100 RPM	MP AT 1900 RPM	OAT °F	BHP	OAT °F	MP AT 2300 RPM	MP AT 2100 RPM	MP AT 1900 RPM
21.3	23.1		0	146	0	20.9	22.7	
18.4	20.2	23.0		120		18.0	19.8	22.6
16.3	17.8	20.2		100		15.9	17.4	19.8
14.1	15.5	17.5		80		13.7	15.1	17.2
21.6	23.4		20	146	20	21.2	23.0	
18.7	20.5	23.3		120		18.3	20.1	22.9
16.6	18.1	20.5		100		16.2	17.7	20.1
14.4	15.8	17.8		80		14.0	15.4	17.5
21.9	23.7		40	146	40	21.5	23.3	
19.0	20.8	23.6		120		18.6	20.4	23.2
16.9	18.4	20.8		100		16.5	18.0	20.4
14.7	16.1	18.1		80		14.3	15.7	17.8
22.2			60	146	50	21.6		
19.3	21.1	23.9		120		18.7	20.5	23.3
17.2	18.7	21.1		100		16.6	18.1	20.5
15.0	16.4	18.4		80		14.4	15.8	17.9
22.3			70	146	60	21.8		
19.4	21.2	24.0		120		18.9	20.7	23.5
17.3	18.8	21.2		100		16.8	18.3	20.7
15.1	16.5	18.5		80		14.6	16.0	18.1
22.5			80	146	70	21.9		
19.6	21.4			120		19.0	20.8	
17.5	19.0	21.4		100		16.9	18.4	20.8
15.3	16.7	18.7		80		14.7	16.1	18.2
22.6			90	146	80	22.1		
19.7	21.5			120		19.2	21.0	
17.6	19.1	21.5		100		17.1	18.6	21.0
15.4	16.8	18.8		80		14.9	16.3	18.4
22.8			100	146	90	22.2		
19.9	21.7			120		19.3	21.1	
17.8	19.3	21.7		100		17.2	18.7	21.1
15.6	17.0	19.0		80		15.0	16.4	18.5

4000 FEET

6000 FEET

20.6	22.3		0	146	0	20.4	21.9	
17.7	19.4	22.2		120		17.5	19.0	21.8
15.6	17.0	19.4		100		15.4	16.6	19.9
13.4	14.7	16.8		80		13.2	14.3	16.4
20.9	22.6		20	146	20	20.7	22.2	
18.0	18.7	22.5		120		17.8	19.3	22.1
15.9	17.3	19.7		100		15.7	16.9	19.3
13.7	15.0	17.1		80		13.5	14.6	16.7
21.2	22.9		40	146	30	20.8	22.3	
18.3	20.0	22.8		120		17.9	19.4	22.2
16.2	17.6	20.0		100		15.8	17.0	19.4
14.0	15.3	17.4		80		13.6	14.7	16.8
21.3			50	146	40	21.0	22.5	
18.4	20.1	22.9		120		18.1	19.6	22.4
16.3	17.7	20.1		100		16.0	17.2	19.6
14.1	15.4	17.5		80		13.8	14.9	17.0
21.5			60	146	50	21.1		
18.6	20.3	23.1		120		18.2	19.7	22.5
16.5	17.9	20.3		100		16.1	17.3	19.7
14.3	15.6	17.7		80		13.9	15.0	17.1
21.6			70	146	60	21.3		
18.7	20.4			120		18.4	19.9	22.7
16.6	18.0	20.4		100		16.3	17.5	19.9
14.4	15.7	17.8		80		14.1	15.2	17.3
21.8			80	146	70	21.4		
18.9	20.6			120		18.5	20.0	
16.8	18.2	20.6		100		16.4	17.6	20.0
14.6	15.9	18.0		80		14.2	15.3	17.4
21.9			90	146	80	21.6		
19.0	20.7			120		18.7	20.2	
16.9	18.3	20.7		100		16.6	17.8	20.2
14.7	16.0	18.1		80		14.4	15.5	17.6

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CRUISING HORSEPOWER FOR CONTINENTAL E-225-8 ENGINE

8000 FEET					10000 FEET			
MP AT 2300 RPM	MP AT 2100 RPM	MP AT 1900 RPM	OAT °F	BHP	OAT °F	MP AT 2300 RPM	MP AT 2100 RPM	MP AT 1900 RPM
20.2	21.7		0	146	-10	19.1		
17.3	18.8	21.6		120		17.0	18.5	
15.2	16.4	18.8		100		14.9	16.1	18.5
13.0	14.1	16.2		80		12.7	13.8	15.9
20.5	22.0		20	146	0	20.0		
17.6	19.1	21.9		120		17.1	18.6	
15.5	16.7	19.1		100		15.0	16.2	18.6
13.3	14.4	16.5		80		12.8	13.9	16.0
20.6	22.1		30	146	10	20.1		
17.7	19.2	22.0		120		17.2	18.7	
15.6	16.8	19.2		100		15.1	16.3	18.7
13.4	14.5	16.6		80		12.9	14.0	16.1
20.8	22.3		40	146	20			
17.9	19.4	22.2		120		17.4	18.9	
15.8	17.0	19.4		100		15.3	16.5	18.9
13.6	14.7	16.8		80		13.1	14.2	16.3
20.9			50	146	30			
18.0	19.5	22.3		120		17.5	19.0	
15.9	17.1	19.5		100		15.4	16.6	19.0
13.7	14.8	16.9		80		13.2	14.3	16.4
21.1			60	146	40			
18.2	19.7	22.5		120		17.7	19.2	
16.1	17.3	19.7		100		15.6	16.8	19.2
13.9	15.0	17.1		80		13.4	14.5	16.6
21.2			70	146	50			
18.3	19.8			120		17.8	19.3	
16.2	17.4	19.8		100		15.7	16.9	19.3
14.0	15.1	17.2		80		13.5	14.6	16.7
21.4			80	146	60			
18.5	20.0			120		18.0		
16.4	17.6	20.0		100		15.9	17.1	19.5
14.2	15.3	17.4		80		13.7	14.8	16.9

12000 FEET

16.8	18.3		-10	120	MAXIMUM CONTINUOUS POWER (75%--169 BHP)			
14.7	15.9	18.3		100	OAT SEA LEVEL 2000 4000 FEET			
12.5	13.6	15.7		80	°F	AT 2300 RPM	2000 FEET AT 2300 RPM	4000 FEET AT 2300 RPM
16.9	18.4		0	120	0	23.6	23.4	23.0
14.8	16.0	18.4		100	20	24.0	23.7	23.5
12.6	13.7	15.8		80	40	24.3	24.0	23.8
17.0	18.5		10	120	60	24.7	24.4	24.2
14.9	16.1	18.5		100	80	25.1	24.8	24.6
12.7	13.8	15.9		80	100	25.4	25.2	
17.2	18.7		20	120				
15.1	16.3	18.7		100				
12.9	14.0	16.1		80				
17.3			30	120				
15.2	16.4	18.8		100				
13.0	14.1	16.2		80				
17.5			40	120				
15.4	16.6	19.0		100				
13.2	14.3	16.4		80				
17.6			50	120				
15.5	16.7			100				
13.3	14.4	16.5		80				
17.8			60	120				
15.7	16.9			100				
13.5	14.6	16.7		80				

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