

Feb 13, 2007

Flathead Ford Compression Ratio

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		Head	Baron 500	8CM	8BA	EAB	Offy 425	Edelbrock	Offy 400	Dimensions
		HV (cc)	92	82	76	71	63	61	54	
Displacement		Relief								Bore x Stroke
	Cu. In.									
1)	239	no relief	5.9	6.4	6.8	7.2	7.9	8.1	8.9	3-3/16 X 3-3/4
		relieved	5.8	6.3	6.6	7.0	7.6	7.8	8.5	swept volume 490 cc
2)	249	no relief	6.1	6.7	7.1	7.5	8.2	8.4	9.2	3-1/4 X 3-3/4
		relieved	6.0	6.5	6.9	7.2	7.9	8.1	8.8	swept volume 510 cc
3)	255	no relief	6.2	6.9	7.2	7.6	8.4	8.6	9.4	3-3/16 X 4
		relieved	6.1	6.6	7.0	7.4	8.1	8.3	9.0	swept volume 523 cc
4)	265	no relief	6.4	7.0	7.5	7.9	8.7	8.9	9.8	3-1/4 X 4
		relieved	6.3	6.8	7.3	7.6	8.4	8.6	9.4	swept volume 544 cc
5)	276	no relief	6.7	7.3	7.7	8.2	9.0	9.2	10.1	3-5/16 X 4
		relieved	6.5	7.1	7.5	7.9	8.6	8.8	9.7	swept volume 565 cc
6)	142/143	no relief	6.8	7.5	8.0	8.4	9.2	9.5	10.4	3-3/8 X 4 or 3-5/16 X 4-1/8
		relieved	6.7	7.3	7.7	8.1	8.9	9.1	10.0	swept volume 582-586 cc
7)	293/296	no relief	7.0	7.7	8.2	8.6	9.5	9.7	10.7	3-5/16 X 4-1/4 or 3-3/8 X 4-1/8
		relieved	6.9	7.5	7.9	8.4	9.1	9.4	10.3	swept volume 600-605 cc
8)	304	no relief	7.2	7.9	8.4	8.9	9.8	10.0	11.0	3-3/8 X 4-1/4
		relieved	7.0	7.7	8.2	8.6	9.4	9.7	10.6	swept volume 623 cc

Notes:

-- See Blown Flathead, Appendix B for more information on calculating flathead compression ratio.

-- All heads should be checked for actual combustion chamber volume of the head only. Values listed are typical.

-- Compression ratios listed are for domed (3/16 dome) pistons. Flat top pistons should not be used with listed heads.

-- Compression Ratio(no relief) = (SV+HV+8)/(HV+8)

-- Compression Ratio(relieved) = (SV+HV+11)/(HV+11)