

Compression Calculator

Instructions: Enter a value in the un-shaded boxes below as they post in the engine.

Note: For pistons BELOW the block @ TDC - value in box must be a POSITIVE number (+0.0)

Note: For pistons ABOVE the block @ TDC - value in box must be a NEGATIVE number (-0.000)

Note: For a DISH piston - value in box must be a POSITIVE number (0.000)

Note: For a DOME piston - value in box must be a NEGATIVE number (-0.0)

Note: Manipulate the DOME/DISH & PISTON to DECK volumes to get the ratio you want.

Pistons

Enter the number of cylinders of your engine		> 6
Bore	>	3.325
Stroke	>	3.190
Rod Length	>	5.118
Gasket Bore	>	3.340
Comp. Gasket	>	.069
Block Deck Height	>	206.2
Top Ring Down	>	.250
Chamber Volume	>	41.5
Dome/Dish Volume	>	-1.4
Piston to Deck	>	.020
Click "Calculate" for dimension results.		CALCULATE
Total Volume	>	507.57
Cylinder Volume	>	453.92
Clearance Volume	>	53.65
Gasket Volume	>	9.9
Top Ring Volume	>	0.81
Deck Volume	>	2.84
Piston Top Land	>	3.287
1/2 Stroke	>	1.595
Compression Ht.	>	199.467
Cubic Inches	>	166.19
For the given dimensions, your compression ratio =		> 9.46