

# ENGINE Pro - Version 3.1

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File: (untitled)

Note: Base case for ENGINE Pro

## Input Engine Data

Number of Cylinders	Vee	8	Intake Manifold Type:	Common Plenum Style
Bore Diameter - inch		4.030	Manifold Runner Style:	Curved Runner
Stroke Length - inch		3.480	Intake Manifold Flow Factor - %	96.0
Rod Length - inch		5.850		
Compression Ratio		12.9	Number of Intake Valves per Cylinder	1
			Intake Valve Diameter - inch	2.050
Cam Type: Normal Flat Tappet & Solid Lifter			Maximum Intake Port Flow - CFM	250.0
Intake Duration @ .050 inch - degree	264		@ Test Pressure - inch H2O	28.0
Throttle CFM @ 1.5 inch Hg	750		@ Ref. Bore Diameter - inch	4.000
Carburetor	Fuel Type:	Gasoline		

## Compression Ratio Worksheet

Combustion Chamber Volume - c.c.	62.0
Piston to Deck Height - inch	.015
Head Gasket Thickness - inch	.039
Piston Dome Volume - c.c.	12.0
Compression Ratio	12.9

## Throttle CFM @ 1.5 inch Hg Worksheet

Butterfly Throttles:	Pri 4 Sec 0
Throttle Diameter - inch	1.688 .000
Venturi Diameter - inch	1.375 .000
Throttle CFM @ 1.5 inch Hg	730