

## SHORT BLOCK

Block: SBF	Bore: 4.030 in	Stroke: 3.400 in
Cylinders: 8	Cyl Vol: 710.69 cc	Total Vol: 347.0 ci

## CYLINDER HEADS

Cylinder Heads:	Low Performance/Stock Ports And Valves		
Airflow File:	***		
Intake Valves:	1	Exhaust Valves:	1
Intake Valve:	1.840 in	Exhaust Valve:	1.540 in

## COMPRESSION

Compression Ratio:	9.60	Combustion Space:	82.64 cc
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## INDUCTION

Induction Flow:	500.0 cfm	@ 1.50 inHg	Fuel:	Gasoline	
Manifold Type:	Dual-Plane Manifold		N20:	0.0 lbs/min	
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Blower:	None		Intercooler:	*** %	
Flow:	*** cfm	Pressure Ratio:	***	Boost Limit:	*** psi
Speed:	*** rpm	Belt Gear Ratio:	***	Surge Flow:	*** cfm
Eff:	*** %	Internal Gear Ratio:	***		

## EXHAUST

Exhaust System:	Small-Tube Headers With Mufflers
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## CAMSHAFT

Camshaft Type:	Truck Cam	Cam File:	***
Lifter:	Roller	Lobe Center:	108.0
Cam Specs @:	0.050-Lift	Valve Overlap:	2.0
Int Lift@Valve:	0.528 in	Int Duration:	216.0
Exh Lift@Valve:	0.512 in	Exh Duration:	220.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0
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IVO (BTDC):	-8.0	IVC (ABDC):	44.0
EVO (BBDC):	30.0	EVC (ATDC):	10.0
ICA (ATDC):	116.0	ECA (BTDC):	100.0

## CYLINDER HEAD AIRFLOW DATA

Description: Low Performance/Stock Ports And Valves

Intake Valve

Test Diameter: 2.020 in  
Pressure Drop: 25.0 inH2O

Lift: in                      Flow: cfm

0.200                      119.0

0.300                      157.0

0.400                      190.0

0.500                      196.0

0.550                      199.0

0.600                      199.0

0.650                      202.0

0.710                      202.0

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Exhaust Valve

Test Diameter: 1.600 in  
Pressure Drop: 25.0 inH2O

Lift: in                      Flow: cfm

0.200                      87.0

0.300                      104.0

0.400                      111.0

0.500                      116.0

0.550                      117.0

0.600                      117.0

0.650                      118.0

0.710                      118.0

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## CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	156	408	14.64	70.3	229.6	17.3	180.0
2500	194	406	14.61	72.5	219.2	18.6	179.1
3000	230	402	14.56	73.4	214.1	20.0	177.2
3500	265	398	14.50	75.6	209.1	21.6	175.2
4000	296	388	14.42	77.4	204.5	23.2	171.0
4500	314	366	14.33	77.5	195.9	25.0	161.2
5000	314	330	14.24	75.3	181.0	26.9	145.4
5500	295	282	14.18	70.8	160.5	28.8	124.2
6000	270	236	14.15	65.8	141.2	30.9	104.0
6500	240	193	14.14	61.0	123.5	33.1	85.3
7000	207	155	14.14	56.7	107.9	35.4	68.4
7500	171	120	14.15	52.8	93.7	37.7	52.8
8000	130	85	14.15	49.2	80.0	40.2	37.5
8500	81	50	14.17	45.3	66.2	42.8	22.0
9000	34	20	14.19	42.1	54.7	45.5	8.6
9500	0	0	14.21	38.5	41.2	48.3	-6.7
10000	0	0	14.25	35.7	31.0	51.3	-19.2
10500	0	0	14.27	32.5	19.4	54.3	-32.9
11000	0	0	14.31	30.0	11.0	57.4	-43.8



