

SHORT BLOCK

Block: SBF	Bore: 4.000 in	Stroke: 3.000 in
Cylinders: 8	Cyl Vol: 617.78 cc	Total Vol: 301.6 ci

CYLINDER HEADS

Cylinder Heads:	Low Performance/Stock Ports And Valves		
Airflow File:	***		
Intake Valves:	1	Exhaust Valves:	1
Intake Valve:	1.780 in	Exhaust Valve:	1.450 in

COMPRESSION

Compression Ratio:	8.00	Combustion Space:	88.25 cc
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INDUCTION

Induction Flow:	350.0 cfm @ 3.00 inHg	Fuel:	Gasoline
Manifold Type:	Single-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:	Stock Manifolds And 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:	-29.5
Int Lift@Valve:	0.448 in	Int Duration:	189.0
Exh Lift@Valve:	0.448 in	Exh Duration:	184.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0
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IVO (BTDC):	-21.5	IVC (ABDC):	30.5
EVO (BBDC):	12.0	EVC (ATDC):	-8.0
ICA (ATDC):	116.0	ECA (BTDC):	100.0
		IVO:	-21.5
		IVC:	30.5
		EVO:	12.0
		EVC:	-8.0
		ICA:	116.0
		ECA:	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

<u>Lift: in</u>	<u>Flow: cfm</u>
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

<u>Lift: in</u>	<u>Flow: cfm</u>
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	105	276	14.52	61.4	182.1	16.7	140.2
2500	136	287	14.48	64.5	180.6	17.8	145.3
3000	166	290	14.35	67.0	180.1	19.0	147.1
3500	182	273	14.18	67.1	168.7	20.3	138.6
4000	187	245	14.02	65.0	153.6	21.7	124.5
4500	179	209	13.90	60.7	135.4	23.1	105.9
5000	162	170	13.83	55.6	115.9	24.7	86.1
5500	137	131	13.82	50.2	96.7	26.3	66.5
6000	111	97	13.85	45.3	80.1	28.0	49.2
6500	77	62	13.88	40.4	63.2	29.8	31.5
7000	36	27	13.95	35.4	46.1	31.7	13.6
7500	0	0	14.03	31.5	32.9	33.6	-0.7
8000	0	0	14.10	27.2	19.2	35.6	-15.5
8500	0	0	14.20	23.9	9.2	37.7	-26.9
9000	0	0	14.26	20.9	0.7	39.9	-37.0
9500	0	0	14.33	18.2	-6.5	42.2	-45.9
10000	0	0	14.39	16.0	-11.4	44.6	-52.8
10500	0	0	14.43	13.9	-16.6	47.0	-60.0
11000	0	0	14.48	11.7	-21.4	49.5	-66.9



