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

INDUCTION

Induction Flow:	500.0 cfm @ 1.50 inHg			Fuel:	Gasoline
Manifold Type:	Dual-Plane Manifold			N20:	0.0 lbs/min
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

CAMSHAFT

Camshaft Type:	Truck Cam	Cam File:	***
Lifter:	Roller	Lobe Center:	108.0
Cam Specs @:	0.050-Lift	Valve Overlap:	-4.0
Int Lift@Valve:	0.540 in	Int Duration:	210.0
Exh Lift@Valve:	0.525 in	Exh Duration:	214.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0

IVO (BTDC):	-11.0	IVC (ABDC):	41.0	IVO:	-11.0	IVC:	41.0
EVO (BBDC):	27.0	EVC (ATDC):	7.0	EVO:	27.0	EVC:	7.0
ICA (ATDC):	116.0	ECA (BTDC):	100.0	ICA:	116.0	ECA:	100.0

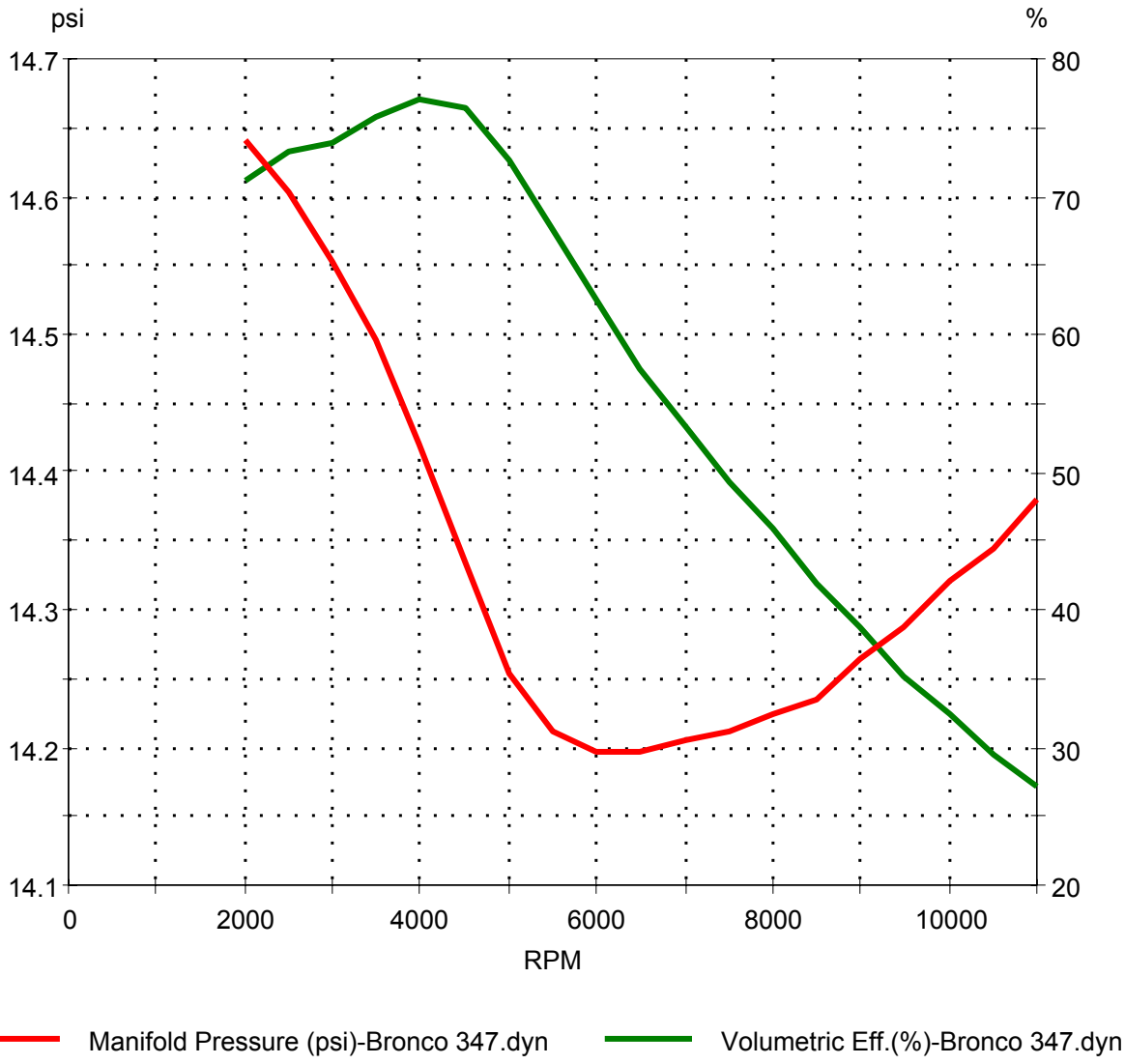
CYLINDER HEAD AIRFLOW DATA

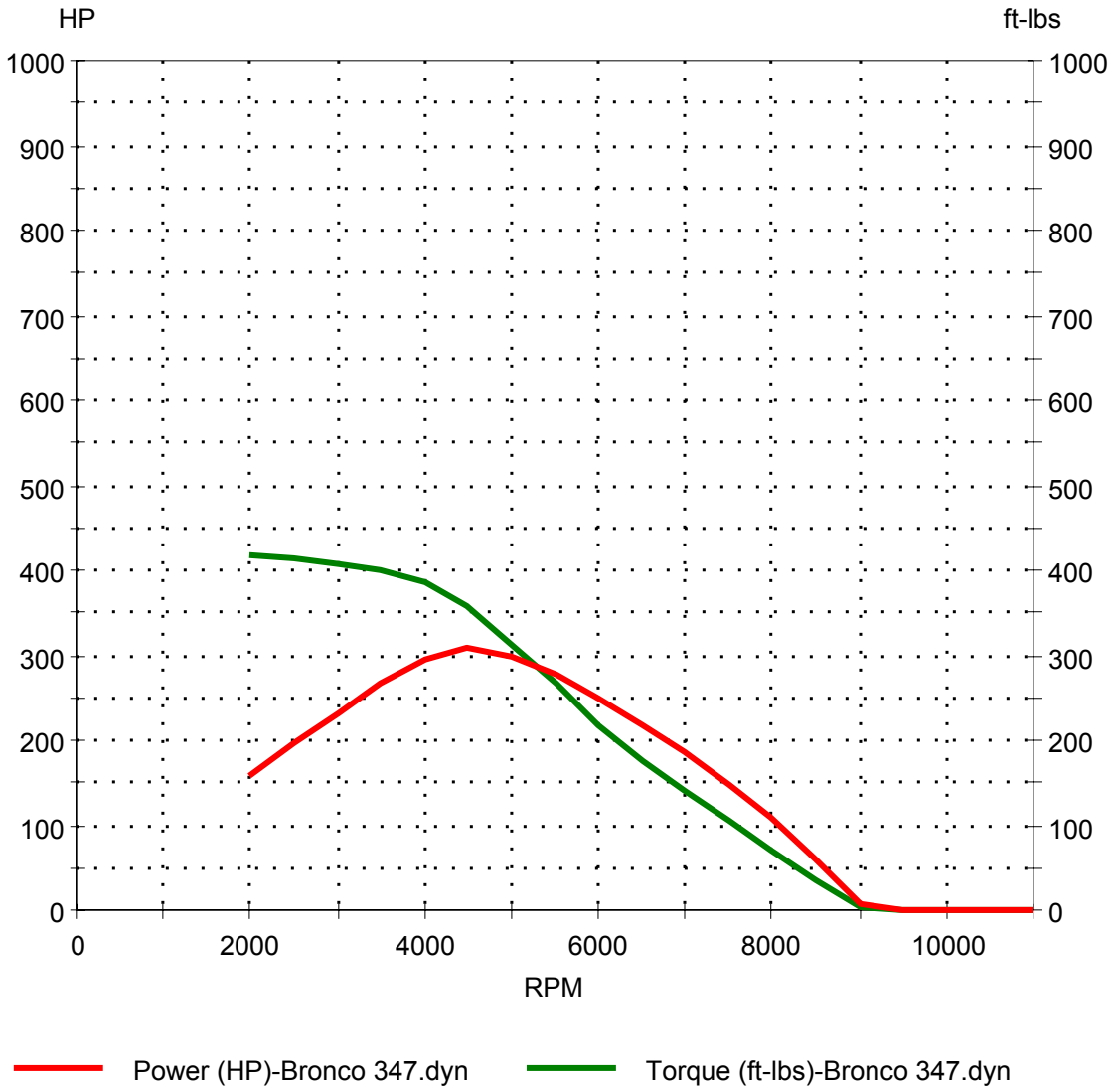
Description: Low Performance/Stock Ports And Valves

Intake Valve		Exhaust Valve	
Test Diameter:	2.020 in	Test Diameter:	1.600 in
Pressure Drop:	25.0 inH2O	Pressure Drop:	25.0 inH2O
Lift: in	Flow: cfm	Lift: in	Flow: cfm
0.200	119.0	0.200	87.0
0.300	157.0	0.300	104.0
0.400	190.0	0.400	111.0
0.500	196.0	0.500	116.0
0.550	199.0	0.550	117.0
0.600	199.0	0.600	117.0
0.650	202.0	0.650	118.0
0.710	202.0	0.710	118.0
***	***	***	***
***	***	***	***

CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	159	418	14.64	71.1	234.7	17.3	184.3
2500	197	414	14.60	73.2	222.9	18.6	182.4
3000	233	407	14.55	73.9	216.6	20.0	179.5
3500	266	400	14.50	75.8	210.1	21.6	176.2
4000	293	385	14.42	77.0	203.2	23.2	169.7
4500	308	359	14.33	76.4	192.7	25.0	158.2
5000	299	314	14.25	72.7	173.5	26.9	138.3
5500	278	265	14.21	67.7	152.8	28.8	116.9
6000	251	219	14.20	62.5	133.3	30.9	96.7
6500	219	177	14.20	57.5	115.8	33.1	78.1
7000	186	139	14.20	53.3	100.4	35.4	61.4
7500	148	104	14.21	49.3	86.3	37.7	45.8
8000	109	71	14.22	45.9	73.6	40.2	31.5
8500	58	36	14.24	42.0	59.6	42.8	15.8
9000	7	4	14.26	38.7	47.5	45.5	1.8
9500	0	0	14.29	35.2	34.6	48.3	-12.9
10000	0	0	14.32	32.5	24.7	51.3	-25.0
10500	0	0	14.35	29.5	14.1	54.3	-37.9
11000	0	0	14.38	27.1	6.3	57.4	-48.2


psi
%
14.7
14.6
14.5
14.4
14.3
14.2
14.1
80
70
60
50
40
30
20
0
2000
4000
6000
8000
10000
RPM
Manifold Pressure (psi)-Bronco 347.dyn
Volumetric Eff.(%)-Bronco 347.dyn


HP
ft-lbs
1000
900
800
700
600
500
400
300
200
100
0
0
2000
4000
6000
8000
10000
RPM
Power (HP)-Bronco 347.dyn
Torque (ft-lbs)-Bronco 347.dyn