

SHORT BLOCK

Block: Chevy 350	Bore: 4.030 in	Stroke: 3.480 in
Cylinders: 8	Cyl Vol: 727.41 cc	Total Vol: 355.1 ci

CYLINDER HEADS

Cylinder Heads: sbc dart i e 180 cc	
Airflow File: sbc dart i e 180 cc.flw	
Intake Valves: 1	Exhaust Valves: 1
Intake Valve: 2.020 in	Exhaust Valve: 1.600 in

COMPRESSION

Compression Ratio: 9.80	Combustion Space: 82.66 cc
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INDUCTION

Induction Flow: 700.0 cfm @ 1.50 inHg	Fuel: Gasoline	
Manifold Type: Dual-Plane Manifold	N2O: 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: ***	

- 660 CFM -  
Loss of 2HP + 116 Tq

EXHAUST

Exhaust System: Large-Tube Headers Open Exhaust
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CAMSHAFT

Camshaft Type: voodoo262050	Cam File: ***		
Lifter: Hyd.	Lobe Center: 112.0		
Cam Specs @: 0.050-Lift	Valve Overlap: -1.0		
Int Lift@Valve: 0.468 in	Int Duration: 219.0		
Exh Lift@Valve: 0.489 in	Exh Duration: 227.0		
Nominal Timing	Timing@ Adv(+)/Ret(-): 4.0		
IVO (BTDC): 1.5	IVC (ABDC): 37.5	IVO: 5.5	IVC: 33.5
EVO (BBDC): 49.5	EVC (ATDC): -2.5	EVO: 53.5	EVC: -6.5
ICA (ATDC): 108.0	ECA (BTDC): 116.0	ICA: 104.0	ECA: 120.0

CYLINDER HEAD AIRFLOW DATA

Description: sbc dart i e 180 cc

Intake Valve

Test Diameter: 2.020 in  
Pressure Drop: 28.0 inH2O

<u>Lift: in</u>	<u>Flow: cfm</u>
0.200	121.0
0.300	175.0
0.400	210.0
0.500	209.0
0.600	209.0
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***	***
***	***
***	***
***	***

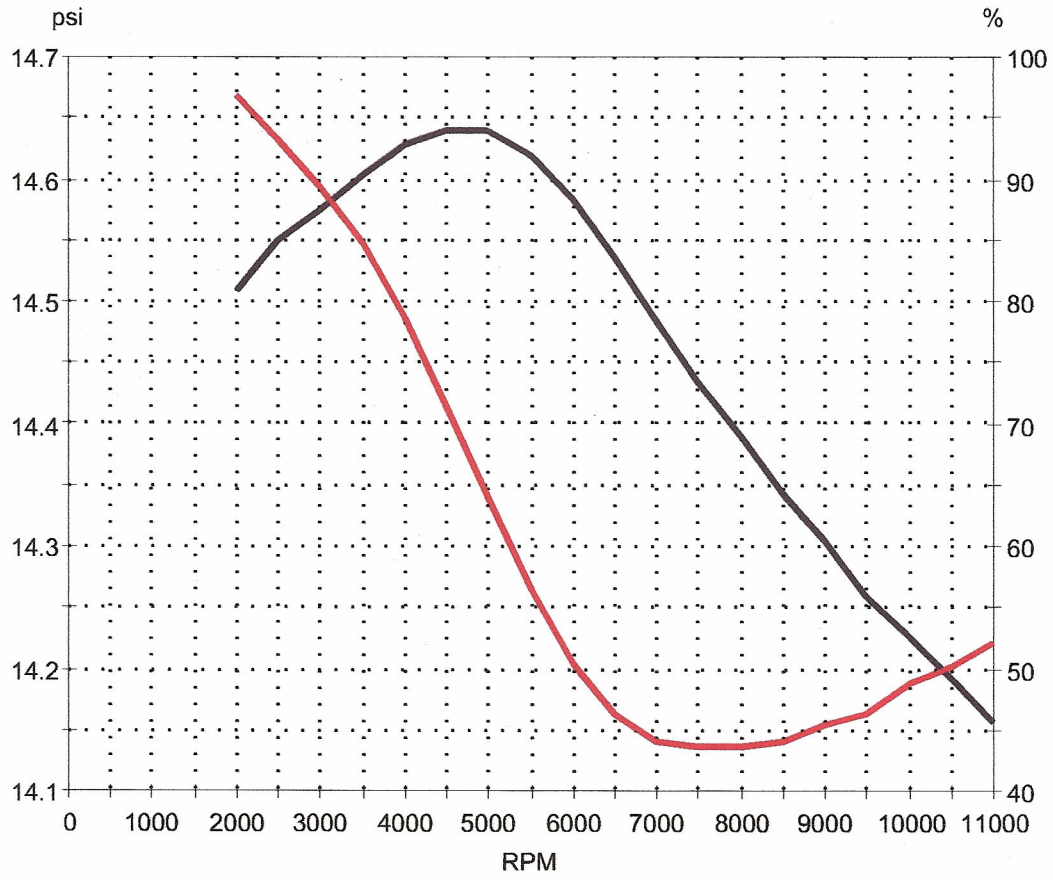
Exhaust Valve

Test Diameter: 1.600 in  
Pressure Drop: 28.0 inH2O

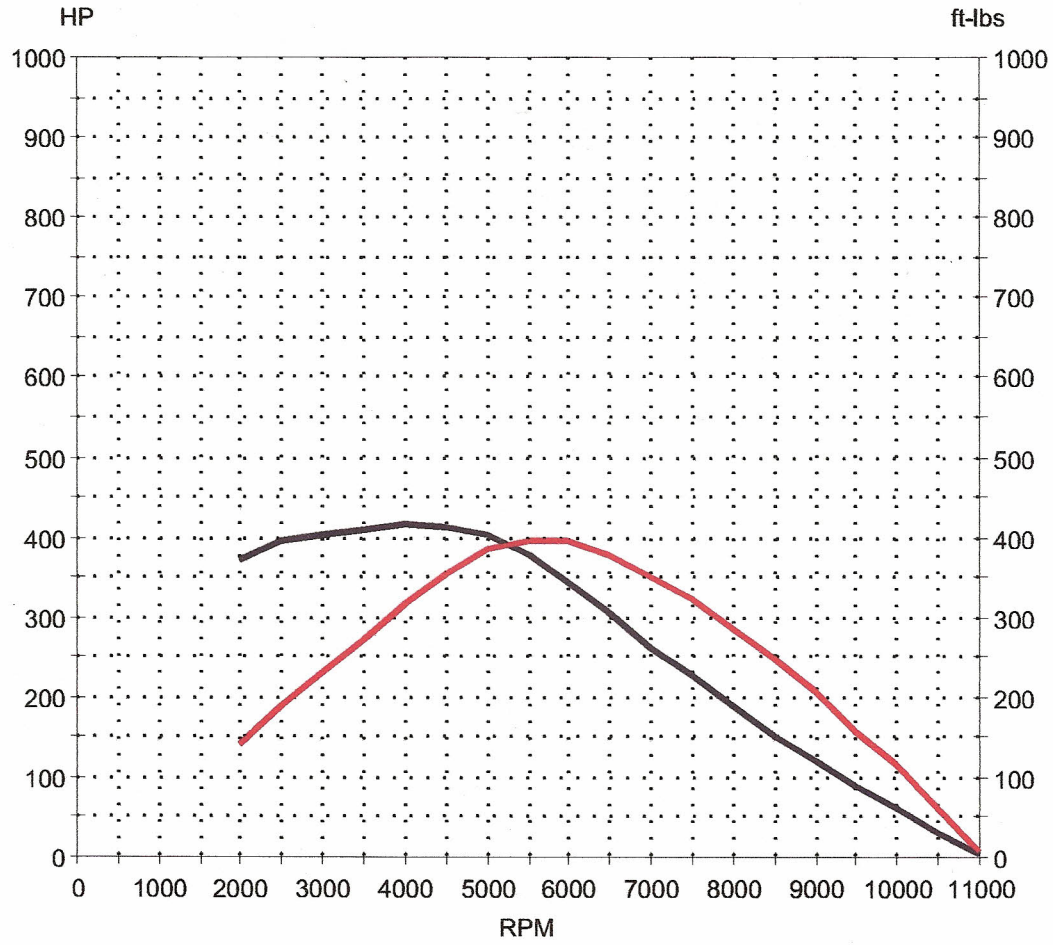
<u>Lift: in</u>	<u>Flow: cfm</u>
0.200	113.0
0.300	144.0
0.400	167.0
0.500	175.0
0.600	177.0
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***	***
***	***
***	***
***	***

## CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	141	371	14.67	80.8	205.8	17.4	159.7
2500	188	394	14.63	85.0	208.9	18.8	169.8
3000	230	402	14.59	87.4	210.0	20.2	173.3
3500	273	410	14.55	90.4	210.7	21.8	176.5
4000	316	414	14.49	92.9	212.8	23.6	178.5
4500	355	414	14.41	94.0	214.2	25.4	178.2
5000	383	402	14.34	93.9	211.0	27.3	173.3
5500	396	378	14.27	91.9	201.9	29.3	162.7
6000	394	345	14.20	88.3	188.8	31.5	148.4
6500	378	305	14.16	83.6	173.0	33.8	131.4
7000	349	262	14.14	78.4	155.7	36.1	112.8
7500	322	226	14.14	73.5	141.6	38.6	97.2
8000	285	187	14.14	68.9	126.7	41.2	80.7
8500	247	153	14.14	64.3	113.7	43.9	65.8
9000	208	121	14.15	60.4	102.1	46.7	52.2
9500	159	88	14.16	56.0	89.7	49.6	37.8
10000	117	61	14.19	52.6	80.7	52.7	26.4
10500	63	32	14.20	49.2	70.3	55.8	13.7
11000	9	4	14.22	45.7	60.9	59.1	1.8



— Manifold Pressure (psi)-voodoo262050vettespec.dyn  
— Volumetric Eff. (%)-voodoo262050vettespec.dyn



— Power (HP)-voodoo262050vettespec.dyn      — Torque (ft-lbs)-voodoo262050vettespec.dyn