SHORT BLOCK

Block:	Ford 302	Bore:	4.125 in	Stroke:	3.400 in
Cylinders:	8	Cyl Vol:	744.59 cc	Total Vol:	363.5 ci

CYLINDER HEADS

Cylinder Heads:	AFR 205		
Airflow File:	AFR 205.flw		
Intake Valves:	1	Exhaust Valves:	1
Intake Valve:	2.020 in	Exhaust Valve:	1.600 in

COMPRESSION

Compression Ratio:	10.50	Combustion Space:	78.38 cc

INDUCTION

Induction Flow:	850.0 cfm @ 1.50 inHg			Fuel:	Gasoline
Manifold Type:	Sequential-Fire Injection			N20:	0.0 lbs/min
Blower:	Centrifugal- Vortech V2-S			Intercooler:	*** %
Flow:	650.0 cfm	Pressure Ratio:	1.55	Boost Limit:	10.0 psi
Speed:	33000 rpm	Belt Gear Ratio:	2.20	Surge Flow:	*** cfm
Eff:	73.0 %	Internal Gear Ratio:	3.45		

EXHAUST

Exhaust System:	Large-Tube Headers With Mufflers

CAMSHAFT

Camshaft Type:	High Performance Street	Cam File:	351w_449561_Lloyd.cam
Lifter:	Roller	Lobe Center:	112.0
Cam Specs @:	0.050-Lift	Valve Overlap:	12.0
Int Lift@Valve:	0.563 in	Int Duration:	232.0
Exh Lift@Valve:	0.584 in	Exh Duration:	240.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0

IVO (BTDC):	9.0	IVC (ABDC):	43.0	IVO:	9.0	IVC:	43.0
EVO (BBDC):	57.0	EVC (ATDC):	3.0	EVO:	57.0	EVC:	3.0
ICA (ATDC):	107.0	ECA (BTDC):	117.0	ICA:	107.0	ECA:	117.0

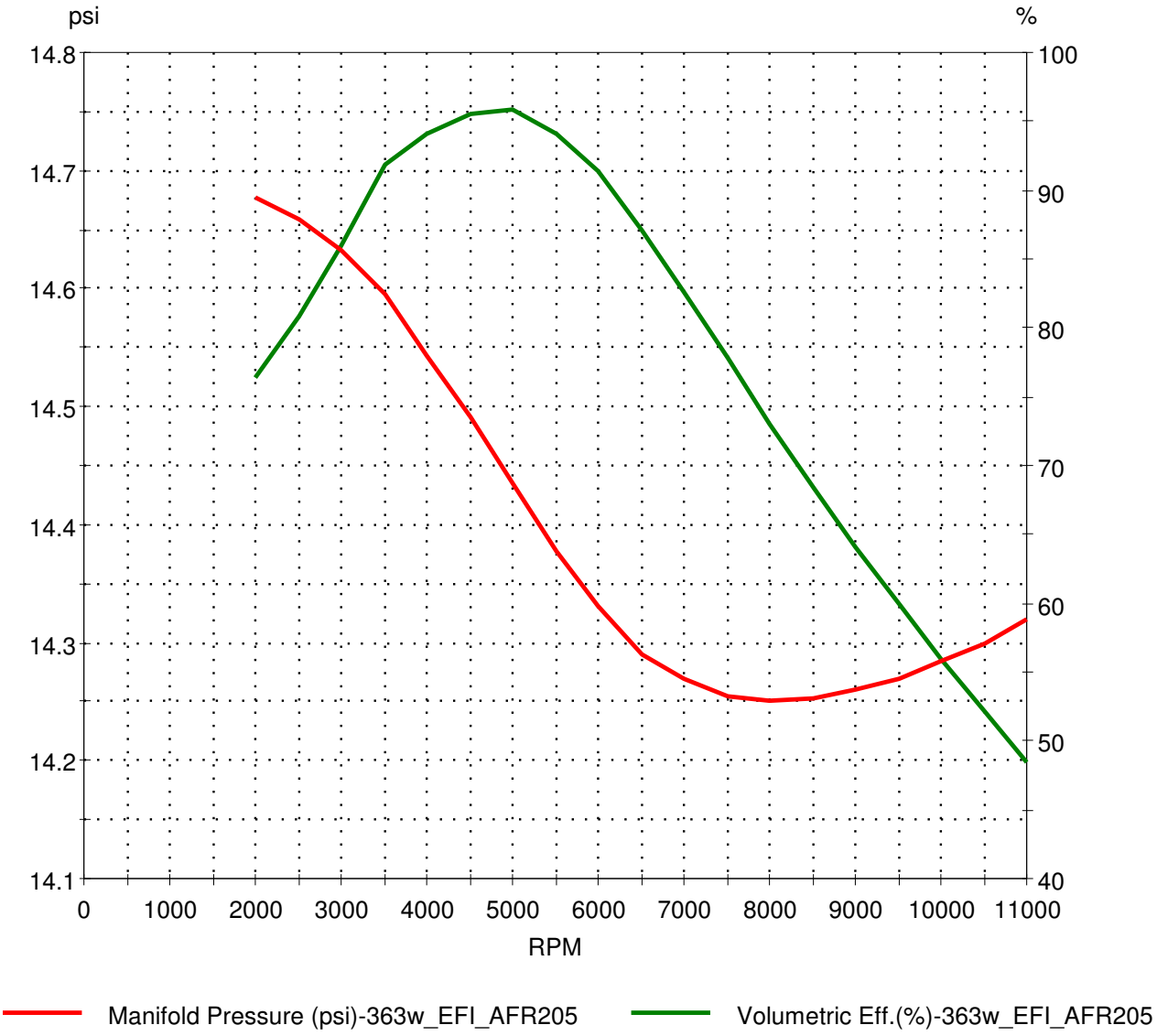
CYLINDER HEAD AIRFLOW DATA

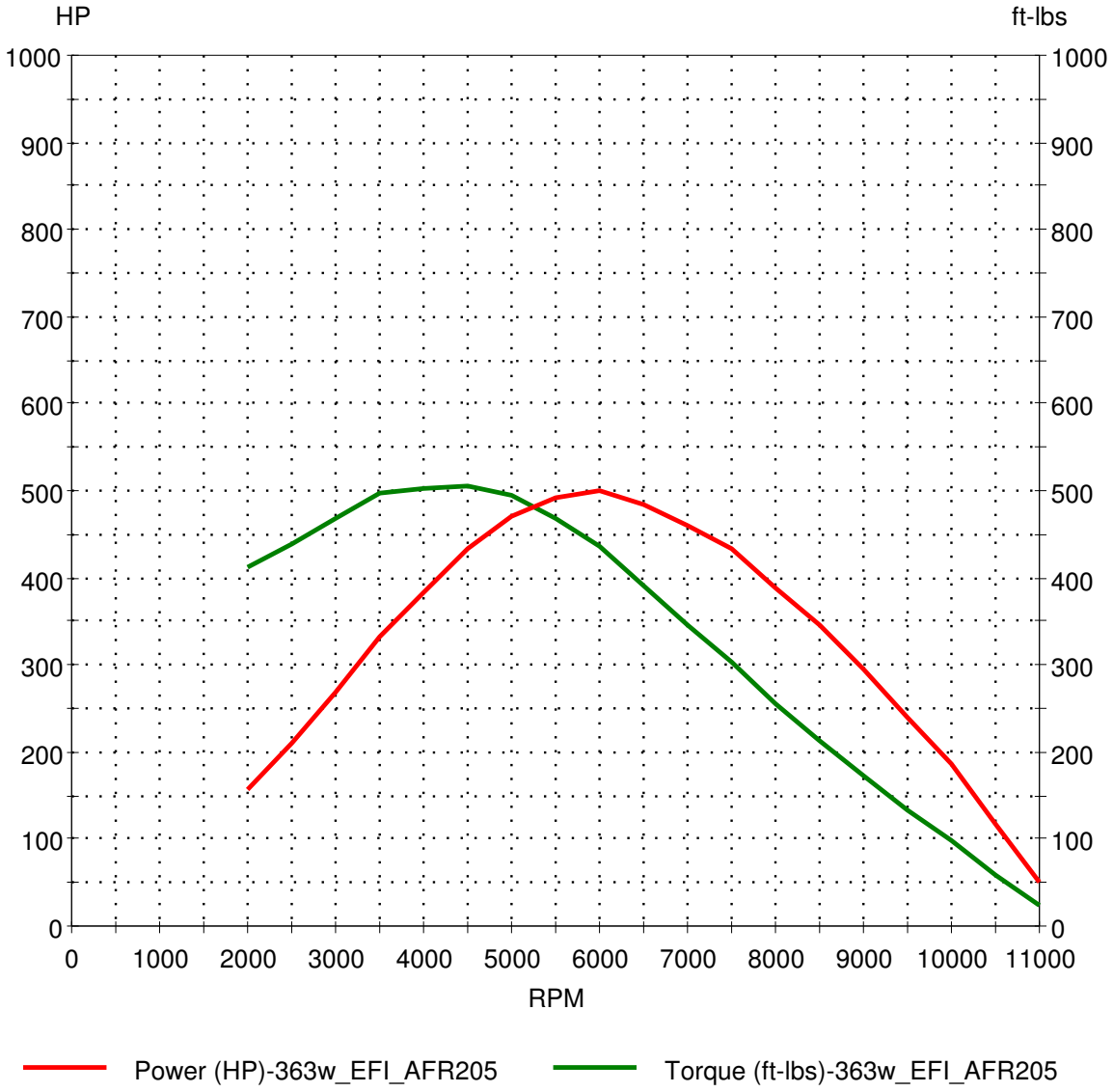
Description: AFR 205

Intake Valve		Exhaust Valve	
Test Diameter:	2.080 in	Test Diameter:	1.600 in
Pressure Drop	28.0 inH2O	Pressure Drop	28.0 inH2O
Lift: in	Flow: cfm	Lift: in	Flow: cfm
0.200	141.0	0.200	125.0
0.300	201.0	0.300	180.0
0.400	251.0	0.400	211.0
0.500	291.0	0.500	225.0
0.550	301.0	0.550	228.0
0.600	308.0	0.600	231.0
0.700	314.0	0.700	235.0
***	***	***	***
***	***	***	***
***	***	***	***

CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	157	413	14.68	76.4	222.2	17.3	173.6
2500	209	439	14.66	80.8	225.4	18.6	184.6
3000	268	468	14.63	85.9	235.9	20.0	197.1
3500	332	497	14.60	91.9	245.5	21.6	209.3
4000	383	503	14.54	94.2	247.6	23.2	211.7
4500	432	504	14.49	95.5	249.9	25.0	212.2
5000	472	495	14.44	95.9	247.8	26.9	208.4
5500	491	469	14.38	94.1	238.0	28.8	197.3
6000	499	437	14.33	91.4	225.8	30.9	183.9
6500	485	392	14.29	87.0	207.9	33.1	164.9
7000	461	346	14.27	82.6	189.6	35.4	145.5
7500	434	303	14.25	77.9	173.1	37.7	127.7
8000	389	255	14.25	73.1	154.1	40.2	107.4
8500	347	214	14.25	68.5	138.3	42.8	90.1
9000	296	173	14.26	64.1	122.5	45.5	72.6
9500	239	132	14.27	59.9	107.3	48.3	55.6
10000	185	97	14.28	56.0	94.6	51.3	40.9
10500	116	58	14.30	52.1	80.2	54.3	24.4
11000	49	24	14.32	48.4	67.9	57.4	9.9


psi
%
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
100
90
80
70
60
50
40
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
RPM
Manifold Pressure (psi)-363w_EFI_AFR205
Volumetric Eff.(%)-363w_EFI_AFR205


HP
ft-lbs
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
RPM
Power (HP)-363w_EFI_AFR205
Torque (ft-lbs)-363w_EFI_AFR205