

## SHORT BLOCK

Short Block:	Ford 302				
No. Cylinders:	8	Bore:	4.002 in	Rod Length:	4.908 in
Total Volume:	301.9 ci	Stroke:	3.000 in	Rod Ratio:	1.636

## CYLINDER HEADS

Cylinder Heads: Boss 302 exch data

## Valve Specifications:

Intake Valves/Port:	1	Exhaust Valves/Port:	1
Intake Valve Dia:	2.190 in	Exhaust Valve Dia:	1.730 in

## COMPRESSION

Compression Ratio:	10.00		
Combustion Space:	68.71 cc	Cylinder Volume:	618.40 cc

## INDUCTION

Induction Flow:	750.0 cfm @ 1.50 inHg	Fuel Type:	Gasoline
Manifold Type:	Dual-Plane High-Flow	Nitrous Injection:	0.0 lbs/min

Forced Induction Specifications:

Blower Type:	None				
Island Flow:	*** cfm	Surge Flow:	*** cfm	Pressure Ratio:	***
Impeller Speed:	*** rpm	Belt Ratio:	***	Internal Ratio:	***
Peak Efficiency:	*** %	Boost Limit:	*** psi	Intercooler:	*** %

## EXHAUST

Exhaust System: Small-Tube Headers With Mufflers

## CAMSHAFT

Cam Name:	Dual Purpose Street						
Intake Lift At Valve:	0.571 in	Lifter Type:	Solid				
Exhaust Lift At Valve:	0.571 in	Lifter Acceleration Rate:	3.00				
Valve Opening/Closing Based On:	Seat-To-Seat						
Primary Timing (Seat-to-Seat):	IVO: 42.0	IVC: 74.0	EVO: 80.0	EVC: 40.0			
Secondary Timing (0.050-inch):	IVO: ***	IVC: ***	EVO: ***	EVC: ***			
Cam Installed Advanced(+)/Retarded(-):	0.0						
True IVO:	42.0	True EVO:	80.0				
True IVC:	74.0	True ICA:	106.0	True EVC:	40.0	True ECA:	110.0
Cam Timing Summary:							
Intake Duration:	296.0	Exhaust Duration:	300.0				
Intake Centerline Angle:	106.0	Exhaust Centerline Angle:	110.0				
Lobe Centerline Angle:	108.0	Valve Overlap:	82.0				

## NOTES

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## CYLINDER HEAD AIRFLOW DATA

Description: Boss 302 exch data

Intake Valve

Test Diameter: 2.190 in  
 Pressure Drop: 28.0 inH2O  
 Valves Per Port: 1

Exhaust Valve

Test Diameter: 1.730 in  
 Pressure Drop: 28.0 inH2O  
 Valves Per Port: 1

Lift: inFlow: cfm

0.100

73.5

0.200

146.7

0.300

203.5

0.400

244.6

0.500

270.1

0.600

279.5

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Lift: inFlow: cfm

0.100

47.2

0.200

80.0

0.300

117.0

0.400

149.1

0.500

173.4

0.600

186.5

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## CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	BMEP Pressure
1500	39	138	14.70	43.1	69.1
2000	82	215	14.69	57.2	107.3
2500	120	252	14.68	64.7	126.0
3000	146	256	14.66	66.8	128.1
3500	190	284	14.64	73.6	142.1
4000	242	317	14.61	81.9	158.5
4500	288	336	14.56	87.4	167.8
5000	326	342	14.50	91.0	170.9
5500	354	338	14.44	93.3	169.0
6000	374	328	14.38	92.9	163.7
6500	388	313	14.33	92.8	156.6
7000	390	293	14.27	91.3	146.3
7500	393	275	14.22	89.6	137.3
8000	371	244	14.17	86.3	121.8
8500	352	217	14.15	82.8	108.5
9000	311	181	14.13	79.0	90.7
9500	279	155	14.12	76.0	77.2
10000	248	130	14.11	73.3	64.9
10500	191	95	14.09	69.2	47.7
11000	149	71	14.11	66.3	35.6
11500	101	46	14.10	63.6	23.0



