

## 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:	0.556 in	Lifter Type:	Solid				
Exhaust Lift At Valve:	0.556 in	Lifter Acceleration Rate:	3.00				
Valve Opening/Closing Based On:	Seat-To-Seat						
Primary Timing (Seat-to-Seat):	IVO: 38.0	IVC: 58.0	EVO: 78.0	EVC: 18.0			
Secondary Timing (0.050-inch):	IVO: ***	IVC: ***	EVO: ***	EVC: ***			
Cam Installed Advanced(+)/Retarded(-):	0.0						
True IVO:	38.0	True EVO:	78.0				
True IVC:	58.0	True ICA:	100.0	True EVC:	18.0	True ECA:	120.0
Cam Timing Summary:							
Intake Duration:	276.0	Exhaust Duration:	276.0				
Intake Centerline Angle:	100.0	Exhaust Centerline Angle:	120.0				
Lobe Centerline Angle:	110.0	Valve Overlap:	56.0				

## 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	68	237	14.69	62.8	118.1
2000	113	297	14.68	74.4	148.4
2500	153	322	14.66	79.6	161.0
3000	192	337	14.64	83.4	168.3
3500	241	362	14.61	89.1	180.6
4000	287	377	14.57	93.9	188.4
4500	324	378	14.52	96.0	188.8
5000	353	370	14.46	96.5	185.0
5500	367	351	14.41	94.8	175.2
6000	369	323	14.37	91.1	161.4
6500	355	287	14.34	86.7	143.3
7000	326	245	14.32	82.0	122.2
7500	299	209	14.31	77.4	104.5
8000	252	165	14.31	72.6	82.6
8500	211	130	14.31	67.8	65.0
9000	164	96	14.32	63.4	47.9
9500	116	64	14.33	59.0	32.0
10000	64	33	14.34	54.3	16.7
10500	4	2	14.37	50.2	1.0
11000	0	0	14.39	45.9	0.0
11500	0	0	14.41	42.7	0.0



