

## 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:	0.536 in	Lifter Type:	Solid				
Exhaust Lift At Valve:	0.536 in	Lifter Acceleration Rate:	3.00				
Valve Opening/Closing Based On:	Seat-To-Seat						
Primary Timing (Seat-to-Seat):	IVO: 33.0	IVC: 73.0	EVO: 67.0	EVC: 43.0			
Secondary Timing (0.050-inch):	IVO: ***	IVC: ***	EVO: ***	EVC: ***			
Cam Installed Advanced(+)/Retarded(-):	0.0						
True IVO:	33.0	True EVO:	67.0				
True IVC:	73.0	True ICA:	110.0	True EVC:	43.0	True ECA:	102.0

Cam Timing Summary:

Intake Duration:	286.0	Exhaust Duration:	290.0
Intake Centerline Angle:	110.0	Exhaust Centerline Angle:	102.0
Lobe Centerline Angle:	106.0	Valve Overlap:	76.0

## 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

Lift: in                      Flow: 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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Exhaust Valve

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

Lift: in                      Flow: 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	47	166	14.70	45.1	82.7
2000	90	235	14.69	56.3	117.5
2500	130	273	14.68	63.9	136.5
3000	156	272	14.66	64.9	136.1
3500	197	295	14.65	70.4	147.5
4000	247	325	14.62	77.6	162.3
4500	292	341	14.57	82.5	170.5
5000	331	347	14.53	85.8	173.4
5500	358	342	14.47	87.6	170.6
6000	378	331	14.42	87.4	165.2
6500	394	318	14.37	87.5	158.9
7000	396	297	14.31	86.1	148.4
7500	395	277	14.27	84.3	138.3
8000	383	251	14.23	81.9	125.4
8500	357	220	14.20	78.3	110.1
9000	325	189	14.19	75.2	94.6
9500	292	162	14.18	72.3	80.8
10000	260	136	14.16	69.4	68.1
10500	203	102	14.15	65.4	50.8
11000	165	79	14.17	62.8	39.2
11500	120	55	14.16	60.3	27.3



