



## EQ-CH364X

### LS 364X Cylinder Head

- Combustion Chamber CC +/- 2cc  
69.8/69/69/70
- Intake Runner CC +/- 5cc  
246.5/246.8/246.8/247
- Exhaust Runner CC +/- 5cc  
89/89/89.2/89.4
- Guide Clearance use Prosis Pro  
Spec. .0010 / .0026 @ max of .0037  
Intake .0019 to .002 / Exh. .002 to .0025
- Stem Height  
Spec. 2" +/- .005  
Intake 1.992 to 2.00  
Exh. 2.005 to 2.007
- Guide Height  
Spec. .6820 +/- .005  
Intake .6820 to .6825  
Exh. .6825 to .6825
- Deck Thickness  
.500 +/- .010
- Spring Height Installed  
Spec. 1.800 +/- .010  
1.819 to 1.825
- New Overall Thickness / 4.747 to 4.750

### Overview of Stock Camshaft

Brand: Chevrolet Performance  
 Manufacturer's Part #: Camshafts 12561721  
 Product Line: Chevrolet Performance LS Series Camshafts  
 Summit Racing Part #: NAL-12561721  
 UPC: 00195491175266  
 Cam Style: Hydraulic roller tappet  
 Basic Operating RPM Range: Stock  
 Intake Duration at 050 inch Lift: 196  
 Exhaust Duration at 050 inch Lift: 201  
 Duration at 050 inch Lift: 196 int./201 exh.  
 Intake Valve Lift w/ Factory Rocker Arm Ratio: 0.467 in.  
 Exhaust Valve Lift w/ Factory Rocker Arm Ratio: 0.479 in.  
 Valve Lift w/ Factory Rocker Arm Ratio: 0.467 int./0.479 exh.  
 Lobe Separation (degrees): 116  
 Computer-Controlled Compatible: Yes  
 Valve Spring Required: Yes  
 Quantity: Sold Individually  
 Notes: Stock replacement camshaft for LS1 and LQ9 engines

### Overview of Howard's Camshaft

	RUNNING CLEARANCE (Hot)	VALVE LIFT	DEGREES OF DURATION	GROSS LIFT AT CAM	DEGREE OF DURATION @.050
Intake	0.000	0.607	275.2°	0.357	227°
Exhaust	0.000	0.618	290.8°	0.364	243°
Lobe Sep.	113°	Intake C/L	109°	Intake	HR2273570A
Firing Order	STANDARD			Exhaust	HR2433635A
Part Number	192865-13			Special Notes	CHEVY LS
				Serial Number	54026

### Dyno Results

#### Howard's Performance Cam

Torque 450.55 lb-ft @5400  
 Pwr 500.86 CHp @6300

#### Stock Cam LQ9

Torque 423.35 lb-ft @4200  
 Pwr 425.87 CHp @5800

# THE NAME YOU TRUST FOR ENGINE PARTS

## Bench Super Flow 600

Customer:	EngineQuest	Date:	9/1/2021
Head:	LS GM 364X	S/P Plug:	NGK R5671A
Bore Plate:	4.030	Test psi inch:	28
CFM - Intake:	447	CFM - Exhaust:	313
Valve Size - Intake:	2.165 pep	Valve Size - Exhaust:	1.570 pep

Lift	Int CFM	Exh CFM
.200	170	119
.300	228	149
.350	250	163
.400	268	169
.450	282	175
.500	291	182
.550	299	185
.600	308	188
.650	311	191
.700	313	192
.750	313	196
.800	295	197
.850	0	0

## Engine Set-up

- Flat Top Piston .030  
Stock Bottom End SB Gen III 6.0
- Quick Fuel BR-67200 750 CFM  
Quick Fuel Brawler Race Series
- Chevrolet Performance Carbureted LS7  
Intake Manifold Part #25534394

## Bench Super Flow 1250

Tested on a 4.100 bore with Super Flow 1250 bench

364X CFM			VS	CH364C CFM		
Inch	Inlet	Exhaust		Inch	Inlet	Exhaust
.100	87	62.5		.100	77	62
.200	172.5	121		.200	152	120
.300	243.5	149		.300	219	137
.400	292	164.5		.400	258	163
.500	315	176		.500	284	173.5
.550	323	181.5		.550	298	178
.600	340	185		.600	285	181.5
.650	336.5	188.519		.650		184.5
.700	318	190		.700		186.5

## Special Thanks

Thanks to all those that helped with the testing development of the EQ-CH364X Cylinder Head.

**HBR Competition Engines**  
Las Vegas, NV

**Wayne's Engine Rebuilders**  
Riverside, CA

**Vrbancic Brothers Racing**  
Ontario, CA