



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