

**INTERNATIONAL HOT ROD ASSOCIATION
TECHNICAL INFORMATION FORM**

MAKE: Chevrolet DATE RELEASED: 1/99

BRAKE H.P. & DISP: 427/ 430 MODEL YEAR: 1969 OPTION #: ZL-1

BORE & STROKE: 4.250 X 3.766 CAMSHAFT P/N:

COMPRESSION RATIO: NOMINAL 12.0 LIFTER TYPE: mechanical
MAX:

CYL. HEAD VOLUME: In cc Ex cc ROCKER ARM RATIO: 1.70 roller

HEAD GASKET THICKNESS: .043
(compressed) total

DECK CLEARANCE (MIN): .008 ab
(above or below)

COMB. CHAMBER VOL: 114.8cc
(max. comp. ratio may not be exceeded)

NOTE: Timing and lift specifications must be those found at the valve when checking clearances are set as specified below. On hydraulic cams give clearances to be used when checking MINIMUM cam with solid lifter.

PISTONS

DESC: (flat, dish, dome) w/n

DISPLACEMENT OF DISH, DOME: 51.70 cc

HEIGHT OF DOME: .529 inch

DEPTH OF DISH:

WEIGHT OF PISTON W/PIN:

TIMING:

INTAKE

EXHAUST

CHECKING CL: 0 0

OPENS:

CLOSES:

OVERLAP:

DURATION:

LIFT: .580 .620

CYLINDER HEAD:

CASTING NUMBER: # 074, 077, 401

MATERIAL: aluminum

VALVES:

HEAD DIAMETER: 2.195 1.885

ANGLE OF SEAT/FACE: 45 45

INDUCTION:

TYPE: Carb 850 cfm max 4296A

MAKE: OEM Holley Type
 1.750 X 1.750 / 1.562 X 1.562

INT. MAN. CASTING #: 3885069, 3886093, 3933163
 3933198, 3967474

Plenum cut: 2.10 deep 2.15 long 45 degree cut at bottom

MATERIAL OF INTAKE: Alum

SPRINGS:

OUTER CLOSED: Dual w damper
 1.550 OD

OUTER OPEN:

INNER CLOSED:

INNER OPEN:

CARB OR FUEL INJECTION: carb

Accepted Pistons: CP CP- ZL1