

HOMELITE®

450 AUTOMATIC CHAIN SAW



450 AUTOMATIC SPECIFICATIONS

ENGINE

Type: Homelite 2-cycle, single cylinder, air cooled, loop scavenged and made from high strength light alloys. Hemi-head cylinder and full flow ram intake porting give greater efficiency and more power. Precision, chrome plated cylinder and tool steel thin piston rings for longer life.

Dry Weight: 16.5 lbs. (7,5 kg.)
Displacement: 4.5 cu. in. (74 cc.)
Bore: 1.875 in. (47,6 mm.)
Stroke: 1.625 in. (41,3 mm.)
Speed: 8,000 rpm. max. hp.
Bearings: Heavy duty roller and needle throughout.
Starting: Homelite automatic rewind starter, simple to service. Starting speed controlled by throttle trigger lock.
Clutch: 3 shoe centrifugal automatic. 6 shoe optional.
Muffler: Softone® large chamber. Simple to clean. Optional spark arrestor screen meets PSMA and U.S. Forest Service standards.

IGNITION

Magneto: Special Homelite electronic high voltage capacitor discharge (CD) weatherized system. Simple to service.
Timing: Never needs adjustment. Retard for easy starting and advance for maximum horse-power is automatically controlled by an electronic switch.
Spark Plug: Champion CJ - 6, .025 inch (0,6mm.) gap.

VIBRATION ISOLATION

Homelite Tri-Axial with 5 captive mount shock absorbers. Greatly reduces the effect of engine and chain vibration to the operator, making the saw much more comfortable to use and causing less fatigue.

CARBURETION AND FUEL

Diaphragm type, delivers full power in all positions at all speeds. Integral fuel pump and strainer with external adjustments.

Intake Valve: Piston ported design without reed valves.
Air Filter: Polyester micro mesh, reusable, Nylon mesh available for cold weather snow conditions.
Fuel Capacity: 31 oz. (0,9L.). New no-leak fuel cap retained against accidental loss.
Fuel Pick-Up & Filter: Flexible Pick-up, replaceable water absorbing filter.
Fuel Mixture: 3 to 5% depending on type of oil used.
Throttle Control: Trigger in rear handle. Adjustable starting speed. Optional interlock prevents accidental acceleration of engine.

CHAIN AND GUIDE BAR

Guide Bars: Homelite .050 & L. 063 inch gauge. Gas welded Perma-Hard Tip and removable sprocket nose guide bars available. Clearing and bow type optional.
Chain: Homelite #38 series standard, 40 series optional.
Chain Speed: 3,430 ft. per minute at 8,000 rpm. (17,4 M/Sec.)
Sprocket: Floating Rim Type, 3/8 inch pitch, 7 Tooth
Chain Oiling: Fully automatic with manual auxiliary.
Chain Oil Capacity: 18 oz. (0,50L.)

GENERAL

Handle Bars: Thick rubber covered flush cut. Wrap around type optional.
Bumper Spike: Single spike as standard equipment. Double spikes optional.

Note: Chain break available on model 450SL or in kit form as an add-on to model 450.