



HOMELITE®

XL-122

BIG POWER... LIGHT WEIGHT

Top Performance

POWER BOOST PISTON

Head land piston ring automatically adjusts piston ring tension in direct ratio to compression pressures. Lower friction and better sealing gives more power and 15% better fuel economy.

PRECISION GROUND CYLINDERS

Homelite cylinder is precision ground to .0005 inch (0,013mm) total tolerance for consistent power output and faster piston ring seating.

POWER TIP GUIDE BARS (Optional)

Exclusive sprocket nose Power Tip guide bars increase cutting performance as much as 25%. Chain tension can be run tighter for smoother cutting.

RIM SPROCKETS

Smooth gear action rim type sprockets stabilize chain for smoother cutting and longer life.

AIR FLOW RING

Directional air flow ring increases air volume 10% for cooler running engine.

HEAT EXCHANGER

Heat exchanger for cold weather operation prevents carburetor icing and air filter freezing.

REED MUFFLER

Reed valve controls exhaust gases for lower noise level, minimum power loss.

Easy Handling

FULL RADIUS CUSHION-MOUNTED HANDLE BARS

Vinyl-coated full radius handle bars located at the center of balance assures non-frost grip, yet easy hand positioning. Ample clearance for gloves.

BALANCED HANDLING

Handle bar and pistol grips "Human Engineered" for maximum control and safety. Hand position at center of balance provides less fatigue.

SIMPLEX STARTING

All starting controls grouped for easy one hand operation.

Easy Maintenance

AUTOMATIC AND MANUAL CHAIN OILING

Fully automatic positive displacement pump with single moving part. No valves to service. Adjusting not required.

For extra heavy duty cutting a manual oil pump is provided as standard equipment.

FILTERS

Fuel and chain oil systems fully protected by easily replaceable filters.

FUEL AND CHAIN OIL TANKS

Fuel and chain oil tanks assembled with screws and gaskets for easy maintenance.

OIL RESERVOIR CAPACITY

High output oil pumps, with large oil reservoir capacity, assures longer running time without refilling and longer chain life.

PACKAGED SPARE PARTS

Some of the most popular Homelite spare parts are now in sealed packages to assure factory fresh replacement parts for better after sales service.

KEYSTONE BEARING

Keystone crankshaft needle bearing 10% wider for longer bearing life.

PAINT

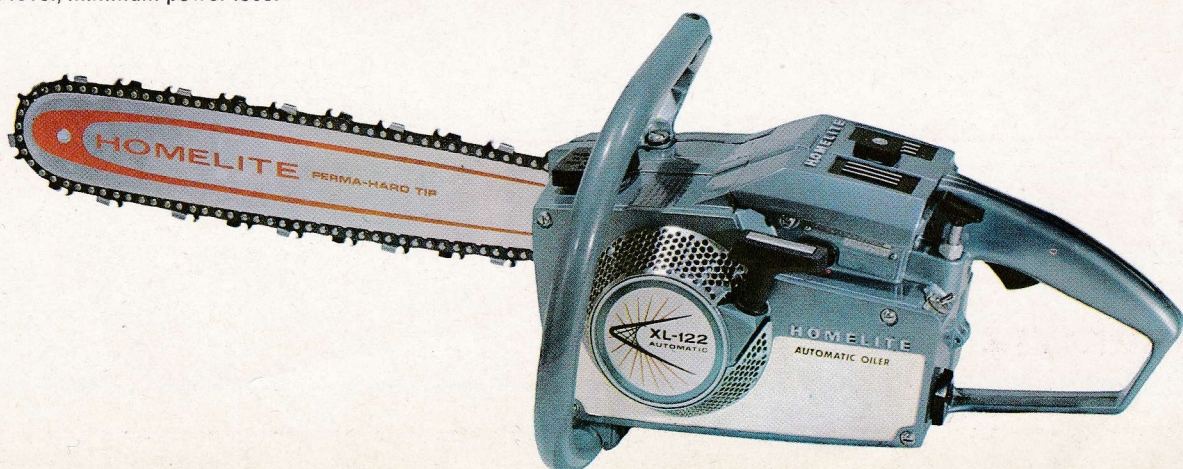
All major castings painted on both sides before assembly by high voltage electrostatic equipment for high quality appearance and protection.

ENGINE ONLY WEIGHT

11.25 pounds (5,1 kg)

ENGINE DISPLACEMENT

3.55 cubic inches (58,2 cm³)



SPECIFICATIONS

WEIGHT

11.25 pounds (5,1 kg), engine only.

ENGINE

Homelite single cylinder, light alloy, air cooled, and loop scavenged.

Displacement: 3.55 cubic inches (58,2 cm³)

Bore: 1.812 inches (46,0 mm)

Stroke: 1.375 inches (34,9 mm)

Compression ratio: 8:1

Bearings: All anti-friction ball and needle type

Rated Speed: 8,000 RPM at maximum horsepower.

CARBURETION AND FUEL

Type: All-position diaphragm type with integral fuel pump and filters. External adjustable.

Intake Valving: 4 Swedish stainless steel pyramid reeds.

Fuel Filters: Special high-density all-position felt filter in fuel tank with wire screen in carburetor.

Air Filters: Polyester fiber with integral molded gaskets protected by high pressure die cast cover, may be easily cleaned for long life.

Fuel Capacity: 23 U.S. fluid ounces (0,7 L)

Fuel-Oil Mixture:

(a) 6.25% (16:1) SAE 30 weight *non-detergent* four cycle lubricating oil mixed with 70 octane automotive type fuel.

(b) 5% (20:1) SAE 30 weight *two-cycle* lubricating oil mixed with 70 octane minimum automotive type fuel.

Throttle Controls: Trigger operated in combination with throttle latch for easy safe starting.

Choke: Valve type with detent for sure easy starting.

IGNITION

Type: High tension magneto with 17 kv minimum voltage sealed against moisture and dirt.

Timing: 30° BTDC

Breaker Points: Gap setting 0.015 inches (0,38 mm) located in sealed box under flywheel.

Spark Plug: C-J-6 Champion with gap setting of 0.025 inches (0,60 mm)

STARTING

Simplex Starting with ignition switch, choke, trigger and throttle latch grouped for one hand operation.

Automatic rewind starter with nylon high tensile starter cord. All wearing parts easily replaceable.

MUFFLER

New reed type for extra low tone, chrome plated, may be easily taken apart for cleaning.

CLUTCH

Automatic centrifugal with 3 extra heavy duty high-density bronze shoes. Engineered to slip at 3,600 RPM to protect engine.

Engaging speed is 2,600 RPM to prevent chain from moving when engine is idling.

CHAIN

Type: Factory fitted with 3/8" 72D pitch Oregon Chain.

Sprocket: For precision drive and long life 7 tooth 3/8" pitch Homelite Rim Type is standard equipment.

Speed:

(a) At maximum horsepower 3500 feet per minute (14,8 M/Sec.)

(b) At limbing speed 4150 feet per minute (17,6 M/Sec.)

Oiling: Fully automatic positive displacement with single moving part. No valves to service. Adjusting not required.

Chain Oil Reservoir Capacity:

6.25 U.S. fluid ounces (0.19 L)

Guard: Clutch and sprocket fully shielded by high pressure die cast cover.

Bumper Spike: Hardened alloy steel bumper spike. (Optional)

HANDLE BAR

Flush cutting type, heat treated aluminum coated with sure-grip frost-free vinyl.

GUIDE BARS

Homelite specially hardened and tempered high alloy steel with welded tip for long life is standard equipment.

Available in sizes: 12 inches to 24 inches (30 cm to 60 cm).

Exclusive Homelite Power Tip sprocket nose type which increases the cutting performance as much as 25% is available as optional equipment. *Available in sizes:*

14, 16 and 20 inches (35,6-40,6 and 50,8 cm).

Utility and clearing guide bars also available as optional equipment.