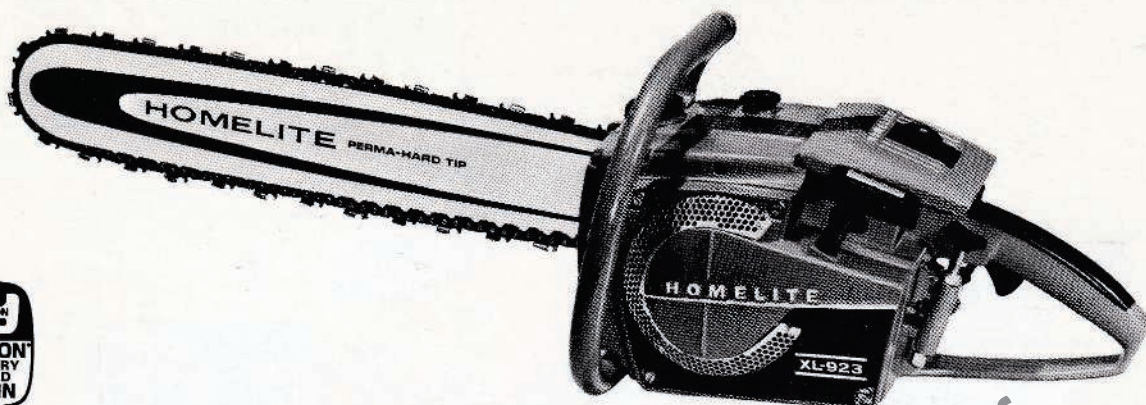




HOMELITE®
CHAIN SAWS

XL-920 Series



ENGINE

Type	HOMELITE two cycle, single cylinder, air cooled, loop scavenged, light alloy with Power Boost* combustion design.		
Dry Weight	XL 921 16 lbs.	XL 923 16½ lbs.	XL 924 16½ lbs.
Displacement	XL 921 4.70 cu. in.	XL 923 5.0 cu. in.	XL 924 5.0 cu. in.
Bore	XL 921 2 in.	XL 923 2 1/16 in.	XL 924 2 1/16 in.
Stroke	ALL : 1½ in.		
Speed	6500 rpm under load		
Bearings	Heavy duty ball, roller, and anti-friction needle		
Starter	HOMELITE design automatic rewind with easily replaceable pawls.		
Clutch	Heavy duty centrifugal, 3000 rpm engagement		
Muffler	Large chamber (14 cu. in.) baffled type. Optional spark arrestor screen meets PSMA & USFS standards. Easily disassembled for quick cleaning		

IGNITION

Magneto	XL 921, XL 923 : Special HOMELITE high tension. Weatherized components. Easy to service. XL 924 : Pulsar* capacitor discharge ignition
Timing	XL 921, XL 923 : 24° BTDC static, XL 924 : Never needs adjustment. Automatic electronic advance and retard
Breaker Points	XL 921, XL 923 : .015 in. Protected in sealed box under rotor. XL 924 : NONE
Coil	Special epoxy impregnated windings, heat and vibration resistant. Easily replaceable high tension lead
Spark Plug	Champion CJ-6, .025 in. gap

CARBURETION AND FUEL

Carburetor Type	Diaphragm type, delivers full power in all positions at all speeds. Integral fuel pump and strainer. Easily accessible external adjustments.
Intake Valve	Pyramid design with four stainless steel reeds. Precision molded Delrin seat.
Air Filter	Polyester micro mesh with molded sealing gasket
Fuel Capacity	35.5 oz.
Fuel Pickup and Filter	Flexible pickup with replaceable fuel filter
Fuel-Oil Mixture	16 : 1 Mix ½ pint HOMELITE 2-cycle engine oil (SAE 30 non detergent) with each gallon of regular gas.
Throttle Control	Trigger in rear handle with adjustable starting speed control for convenient operation and easy starts

GUIDE BAR AND CHAIN

Guide Bars	.050 in. gauge. Sizes 11 in. to 29 in. Special alloy steel, induction hardened with gas welded Perma-Hard tip. Power Tip guide bars available in 15, 19 and 23 inch lengths.
Chain	#72D Oregon, ¾ in. pitch
Chain Speed	2840 ft. per min. under load
Sprocket	Floating rim type, hardened tool steel, ¾ in. pitch, seven tooth
Chain Oil Capacity	11 oz.
Chain Oiling Systems	XL 921 : Positive displacement manual. XL 923, XL 924 : Positive crankshaft driven automatic pump plus separate manual pump.

GENERAL

Handle Bars	Sure Grip fully vinyl coated flush cut type with cushion mounts. Optional: Wrap around type with solid mounts
Bumper Spike	Standard on XL 923 and XL 924. Optional on XL 921
Accessories	WESTERN CONVERSION KIT (optional). Wrap-around vinyl-coated handlebar with solid mounts and special mounting bracket. Drive case cover extension guard. Special muffler baffle, cap and spark arrestor screen. Special air filter cover bracket. Installation instructions

XL921, XL923, XL924 CHAIN SAW SPECS

HOMELITE®

A **Textron** DIVISION,

PORT CHESTER, NEW YORK, U.S.A.

● HOMELITE'S NEW POWER BOOST* COMBUSTION

"Hemi-Head" cylinder for increased combustion efficiency and more power. "High-Flo" transfer ports for a more concentrated fuel charge, improved exhaust scavenging. Wide spaced piston rings (high top ring) for longer service under sustained peak power. Top guided connecting rod for better crankpin lubrication. Increased cooling air flow for cooler running.

● CONVENIENCE FEATURES

Lightweight — only 16½ lbs. Sure Grip handle bars for better balance, better handling, plenty of glove clearance. Simplex* starting — Triple action control opens throttle, holds throttle open, and actuates compression release. Big 11 oz. chain oil reservoir provides large reserve supply. New Hex Style fuel and oil filler caps for easier service. Special Western Customizing Kit available, see accessory section.

● PULSAR* HIGH ENERGY IGNITION

Capacitor discharge ignition eliminates breaker points. Produces hotter spark which fires spark plugs other magnetos won't and extends plug life. Automatic electronic retard plus high voltage make for easier starting. Timing automatically advances to full power setting after engine starts. No moving parts eliminates both wear and need for adjustment.

*TM of HOMELITE, a Division of Textron Inc.

DEALER

ASK YOUR DEALER FOR KIT NO. A-68079