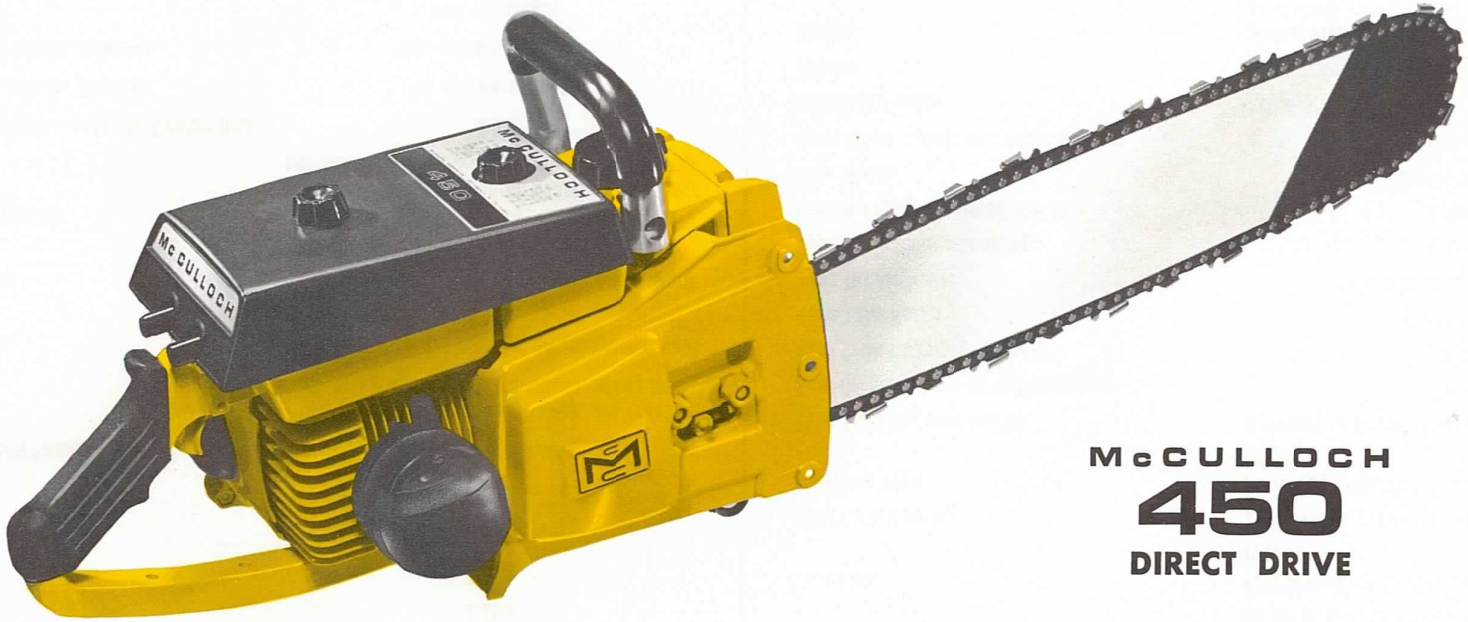
McCULLOCH

McCULLOCH

world leader in chain saw sales
and professional chain saw features



McCULLOCH 450 DIRECT DRIVE

★ Combination of reeds and 3rd port induction make this the most powerful, compact direct-drive saw available.

★ Weighs only 21 lbs. — yet has plenty of power to handle the toughest cutting jobs.

★ High clutch engagement speed eliminates chain drag.

★ Starts fast. Points and coil weather-proofed to assure fast starting all year long.

★ Dependability proved by torture-testing.

★ Uses McCulloch Auto-Mac, Super-Mac or SL Chain — smoothest cutting, toughest available.

★ Insulated fuel tank — saw runs cooler.

★ "Power Boost" diaphragm carburetor enables you to cut in any position, even when saw is upside down or sideways.

★ Convenient pistol grip, chain oiler, primer throttle and top-located ignition switch.

ADV 703/64

★ See Your McCulloch Dealer for a 450 Demonstration

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"SPECIFICATIONS — MODEL 450"

Weight of unit less Bar & Chain (lbs., dry)	21
Dimension (overall outside frame measurement)	Height 11" Length 17" Width 11"
Guide Bar Cutting Capacity (inches)	17, 19, 24, 31". Paddle Bow, Speed Tip, Roller Mac and Auto-Mac Bars.
Type Saw Chain	McCulloch Super-Mac, SL or Auto Mac.
Type of Engine	Single cylinder, two cycle air-cooled, crankcase scavenged.
Type of Cylinder	Die cast aluminum alloy with precision honed CAST IRON LINER. Integral head.
Bore (inches)	2.165
Stroke (inches)	1.500
Displacement (cu. in.)	5.5
Compression Ratio	6.25:1
Direction of Rotation Facing Flywheel	Counter Clockwise
Flywheel	High pressure aluminum alloy die casting with integral magneto magnets, steel hub.
Crankcase Material	High pressure die casting of aluminum, cast integrally with cylinder.
Crankshaft Material	Drop forged SAE 8620 steel, carburized, hardened and ground.
Connecting Rod Material	Drop forged SAE 8620 steel, hardened, ground, manufactured by special process to insure perfect fit with no distortion to rod or cap.
Connecting Rod Length Center to Center (in.)	2.51
Connecting Rod Crankpin Bearings	24 needle rollers.
Connecting Rod Wrist Pin Bearings	Two needle bearings.
Main Bearings	Ball bearings.
Piston	Permanent Mold Aluminum. (Oversize pistons available)
Number and Type Piston Rings	2 compression rings, top ring chromed, assuring quick sealing, low friction and long life.
Ignition	Specially designed McCulloch water-proof high tension magneto.
Coil Location	Outside flywheel. (Fan Cooled).
Coil to Flywheel Clearance (inches)	.008—.012
Ignition Timing B.T.C.	26° Static.
Location of Breaker Points and Condenser	Under Flywheel.
Breaker Point Gap (inches)	.019 - .020
Spark Plug Type	Champion J-8-J.
Spark Plug Gap (inches)	.025
Throttle Type	Butterfly.
Carburetor Type	Special McCulloch "Power Boost" diaphragm type with primer enabling engine to operate efficiently in all cutting positions. Fully enclosed in filtered air chamber.
Fuel Filter	Felt in pick up line, insures clean, water-free fuel delivery.
Fuel Tank Venting	2-way valve, pressure regulated.
Air Filter Type	Extra capacity, flat flock screen with rubber edge.
Type Fuel Recommended	Automotive Regular Grade.
Fuel-Oil Mixture with McCulloch Oil	20.1
Fuel Tank Capacity (quarts)	1.3
Type Fuel Pump	Diaphragm
Type Intake Valve	Tuned reed and 3rd port.
Type Cylinder Scavenging	Loop.
Clutch Engaging Speed R.P.M.	2,800
Gear Ratio	Direct Drive.
Gear Case Lubricant and Capacity	None.
Sawdust Guard	Fixed Screen.
Starter	Automatic Rewind with nylon rope.
Clutch	Automatic four-metal shoe, centrifugally operated.
Chain Oiler	Automatic with manual override.
Chain Oiler Reservoir Capacity (qts.)	.35
Muffler	Spark-arrester.
Handle Frame	Flush-cut with plasticized grip.

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.