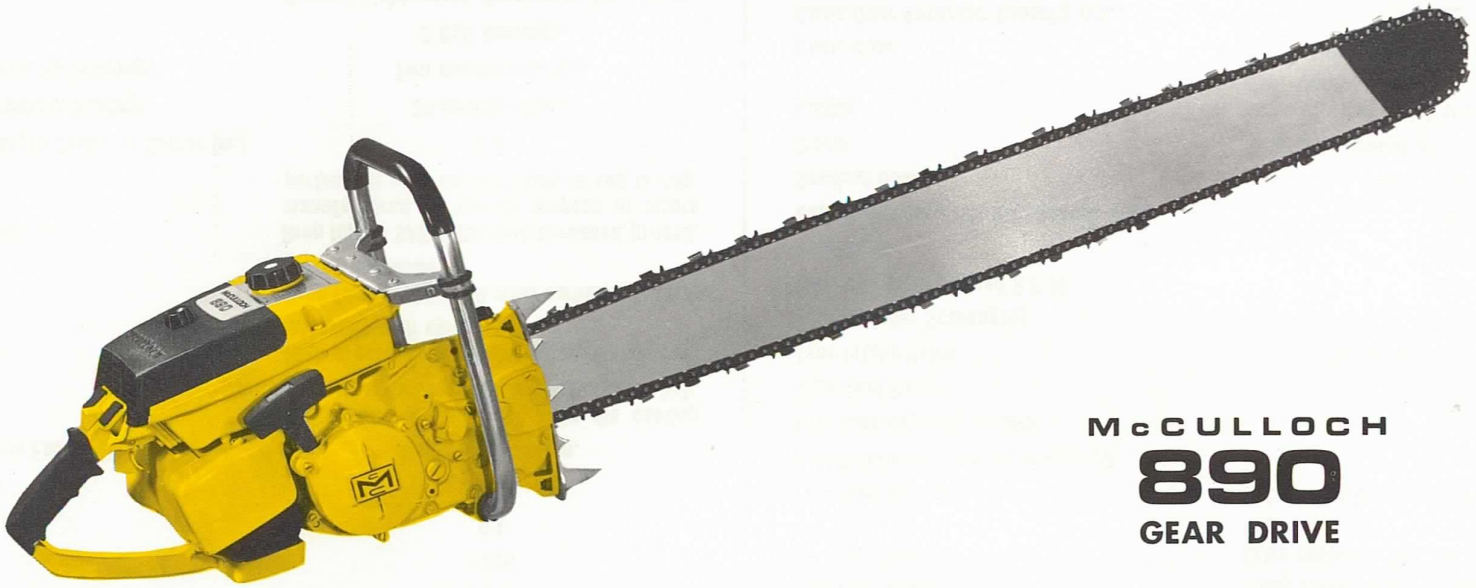
McCULLOCH

McCULLOCH

world leader in chain saw sales
and professional chain saw features



McCULLOCH
890
GEAR DRIVE

- ★ Automatic oiler with manual override controls lubrication for smooth cutting, long bar and chain life.
- ★ Gear drive provides extra lugging power for felling big timber.
- ★ Shock-absorber system takes the jolt out of cutting.
- ★ Improved spark arrester reduces noise up to 50%.
- ★ Automatic rewind starter has easi-grip handle and rugged nylon cord.
- ★ Starts fast. Fingertip primer and weather-proof points and coil assure fast starting all year long.
- ★ Designed for professional heavy-duty cutting.
- ★ Takes bars up to 44", Plunge Bow, Auto-Mac, Paddle Bow, Speed Tip, Roller Mac Bars.
- ★ Deep-breathing McCulloch "Power Boost" diaphragm carburetor allows all position cutting, at full power.
- ★ Equipped with long-lasting Super-Mac or Auto-Mac Chain.

★ See Your McCulloch Dealer for a 890 Demonstration.

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"SPECIFICATIONS — MODEL 890"

Weight of unit less Bar & Chain (lbs., dry)	27.5
Dimension (overall outside frame measurement)	Height 14" Length 20" Width 10½"
Guide Bar Cutting Capacity	16, 18, 20, 26, 33, 38, 44". Plunge Bow, Auto-Mac, Paddle Bow, Speed Tip, Roller 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)	2.217
Stroke (inches)	1.635
Displacement (cu. in.)	6.3
Compression Ratio	6.40:1
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	2 Ball Bearings.
Piston	Special Lightweight Permanent Mold Aluminum (oversize pistons available).
Number and Type Piston Rings	Two steel rings, chrome plated for extra service life.
Ignition	Specially designed McCulloch water-proof high tension magneto.
Coil Location	Outside flywheel (Fan Cooled).
Air Vane Governor	Prevents no-load overspeed.
Coil to Flywheel Clearance (inches)	.008—.012
Ignition Timing B.T.C.	26° Static.
Location of Breaker Points	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; assures waterfree fuel delivery.
Fuel Tank Venting	2-way check valve, pressure regulated system.
Air Filter Type	Extra capacity, flat flock screen with rubber edges.
Type Fuel Recommended	Automotive Regular Grade.
Fuel-Oil Mixture with McCulloch Oil	20:1
Fuel Tank Capacity (quarts)	1.4
Type Fuel Pump	Diaphragm.
Type Intake Valve	Tuned Reed and 3rd Port.
Type Cylinder Scavenging	Loop.
Clutch Engaging Speed R.P.M.	2,600
Gear Ratio	2:1
Gear Case Lubricant and Capacity (pts.)	.21
Sawdust Guard	Fixed Nylon Grille.
Starter	Automatic rewind with nylon rope.
Clutch	Automatic four-metal shoe, centrifugally operated. Lined.
Chain Oiler	Automatic with manual override.
Chain Oiler Reservoir Capacity (qts.)	.22
Muffler	Improved fireproof spark arrester type.
Handle Frame	Shock mounted full wrap around handle. Plasticized grip.
Safety Control Panel	Engine controls are grouped so that they can be actuated from the "pistol grip" position while the saw is held firmly with both hands.

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.