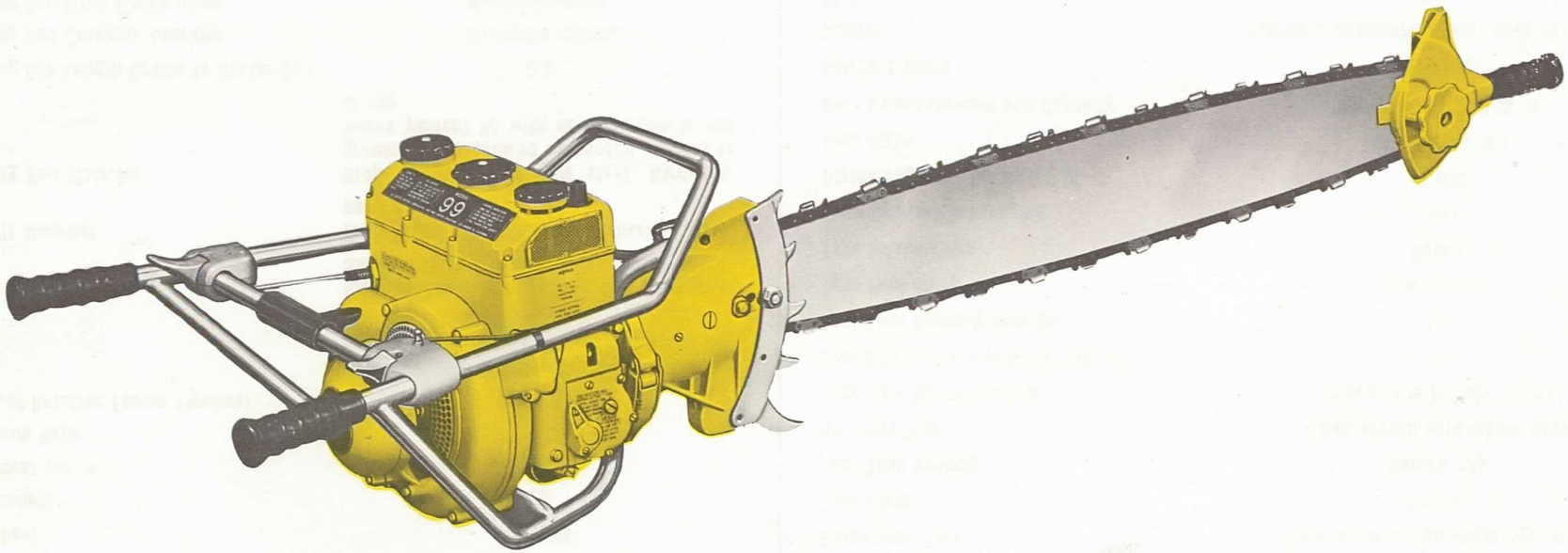
It's Easier With a New

McCULLOCH MODEL 99



NUMBER ONE *In World Sales*

- ★ Most powerful McCulloch made.
- ★ Use either as a one or two-man saw.
- ★ Out-performs them all for heavy wood-cutting jobs.
- ★ Equipped with gear-drive and full swivel bar.
- ★ Engine unit quickly detaches and can be converted into a portable earth drill.
- ★ Engine balanced for vibration-free operation.
- ★ Real lugging power in the biggest timber.

See Your McCulloch Dealer For a Model 99 Demonstration

BULLETIN ADV-707-5/60

LITHO IN U.S.A.

"SPECIFICATIONS – MODEL 99"

Weight of unit less Bar & Chain (lbs., dry)	51
Dimension (overall outside frame measurement)	Height 14″ Length 30″ Width 22½″
Bar lengths (inches)	20″, 30″, 40″, 50″, 60″ & 20″ Bow.
Type Saw Chain	McCulloch "J" or "F"
Type of Engine	Single cylinder, two cycle air-cooled, crankcase scavenged. Engine has counter rotating balance weights to give almost vibrationless operation.
Type of Cylinder	Die cast aluminum alloy with precision honed CAST IRON LINER. (oversize pistons available)
Bore (inches)	2.503
Stroke (inches)	2.0
Displacement (cu. in.)	9.8
Compression Ratio	6:5
Direction of Rotation Facing Flywheel	Clockwise
Flywheel	High pressure aluminum alloy die casting with integral magneto magnets, steel hub and reinforcing plate.
Crankcase Material	High pressure die casting or magnesium alloy for high strength to weight ratio.
Crankshaft Material	Drop forged SAE 8620 steel carburized, hardened and ground.
Connecting Rod Material	Drop forged SAE 8612H 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.)	3.5
Connecting Rod Crankpin Bearings	32 needle rollers.
Connecting Rod Wrist Pin Bearings	Needle bearings.
Main Bearings	1 needle and 1 ball.
Piston	Permanent Mold Aluminum.
Number and Type Piston Rings	2 narrow 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 Procedure	Use timing pin in flywheel, set breaker points to break.
Ignition Timing B.T.C.	25° Static.
Location of Breaker Points and Condenser	Outside of engine.
Breaker Point Gap (inches)	.017—.019
Spark Plug Type	Champion J-8-J.
Spark Plug Gap (inches)	.025
Throttle Type	Butterfly.
Carburetor Type	Special McCulloch Diaphragm type.
Fuel Filter	Screen.
Fuel Tank Venting	Vented cap.
Air Filter Type	Flock screen with rubber edge
Type Fuel Recommended	Automotive Regular Grade
Fuel-Oil Mixture with McCulloch Oil	20:1
Fuel Tank Capacity (quarts)	2.5
Type Fuel Pump	Gravity Feed.
Type Intake Valve	Rotary.
Type Cylinder Scavenging	Loop.
Clutch Engaging Speed R.P.M.	2,100
Gear Ratio	Standard 3.78:1
Gear Case Lubricant and Capacity	Lubriplate #310-¼ lb.
Sawdust Guard	Rotating.
Starter	Anti-kick, automatic rewind with nylon rope.
Clutch	Automatic four-metal shoe, centrifugally operated.
Chain Oiler	Manual.
Chain Oiler Reservoir Capacity (qts.)	.72
Muffler	McCulloch fire proof, spark arrestor type.
Handle Frame	Handle bar, with outboard handle attachment for 2 man operation.

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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