



McCULLOCH

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*world leader in chain saw sales  
and professional chain saw features*



## McCULLOCH 790 DIRECT DRIVE

- ★ Automatic oiler with manual override controls lubrication for smooth cutting, long bar and chain life.
- ★ Takes bars up to 31", Auto-Mac, Paddle Bow, Speed Tip, Roller Mac Bars.
- ★ Fast, powerful direct drive saw. High clutch engagement speed eliminates chain drag.
- ★ Starts fast, hot or cold. Fingertip primer, weather-proof points and coil assure fast starting all year long.
- ★ Heavy-duty speed and power in a 23 pound package.
- ★ McCulloch's new Auto-Mac or Super-Mac Chain — smoothest cutting, longest lasting chain on the market.
- ★ New McCulloch "Power Boost" diaphragm carburetor enables you to cut full power in any position.
- ★ Exclusive shock-absorber system. Plasticized grip on handlebar and rubber pistol grip.
- ★ Insulated gas tank keeps fuel 40° cooler to prevent boil-over and spilling.
- ★ Improved spark arrester reduces noise up to 50%.

# " SPECIFICATIONS — MODEL 790 "

<p>Weight of unit less Bar &amp; Chain (lbs., dry) Dimension (overall outside frame measurement)</p> <p>Guide Bar Cutting Capacity Type Saw Chain Type of Engine Type of Cylinder Bore (inches) Stroke (inches) Displacement (cu. in.) Compression Ratio Direction of Rotation Facing Flywheel Flywheel Crankcase Material Crankshaft Material Connecting Rod Material Connecting Rod Length Center to Center (in.) Connecting Rod Crankpin Bearings Connecting Rod Wrist Pin Bearings Main Bearings Piston Number and Type Piston Rings Ignition Coil Location</p>	<p style="text-align: right;">23.5</p> <p>Height 12" Length 17½" Width 11½"</p> <p>17, 19, 24, 31". Paddle Bow, Speed Tip Bars and Auto-Mac Bars. McCulloch Super-Mac, SL or Auto-Mac. Single cylinder, two cycle air-cooled, crankcase scavenged. Die cast aluminum alloy with precision honed CAST IRON LINER. Integral head. 2.217 1.635 6.3 6.40:1</p> <p style="text-align: center;">Counter Clockwise.</p> <p>High pressure aluminum alloy die casting with integral magneto magnets, steel hub. High pressure die casting of aluminum. Cast integrally with a cylinder. Drop forged SAE 8620 steel carburized, hardened and ground. Drop forged SAE 8620 steel, hardened, ground, manufactured by special process to insure perfect fit with no distortion to rod or cap. 2.51</p> <p>24 needle rollers. Two needle bearings. 2 Ball Bearings.</p> <p>Permanent Mold Aluminum. (Oversize pistons available) Two steel rings, chrome plated for extra service life. Specially designed McCulloch water-proof high tension magneto. Outside flywheel. (Fan Cooled)</p>
<p>Air Vane Governor Coil to Flywheel Clearance (inches) Ignition Timing B.T.C. Location of Breaker Points Breaker Point Gap (inches) Spark Plug Type Spark Plug Gap (inches) Throttle Type Carburetor Type Fuel Filter Fuel Tank Venting Air Filter Type Type Fuel Recommended Fuel-Oil Mixture with McCulloch Oil Fuel Tank Capacity (quarts) Type Fuel Pump Type Intake Valve Type Cylinder Scavenging Clutch Engaging Speed R.P.M. Gear Ratio Gear Case Lubricant and Capacity Sawdust Guard Starter Clutch Chain Oiler Chain Oiler Reservoir Capacity (qts.) Muffler Handle Frame Safety Control Panel</p>	<p>Prevents no-load overspeed. .008—.012 26° Static. Under flywheel. .019 - .020 Champion J-8-J. .025 Butterfly.</p> <p>Special McCulloch "power boost" type with primer enabling engine to operate efficiently in all cutting positions. Fully enclosed in filtered air chamber. Felt; assures waterfree fuel delivery. 2-way Check valve, pressure regulated system. Extra capacity, flat flock screen with rubber edges. Automotive Regular Grade. 20:1 1.4 Diaphragm. Tuned Reed and 3rd Port. Loop. 2,800 Direct Drive None. Fixed Nylon Grille. Automatic Rewind with nylon rope. Automatic four-metal shoe, centrifugally operated. Automatic with manual override. .45 Improved fireproof spark arrester type. Full wrap around, shock mounted. Plasticized grip. Engine controls are grouped so that they can be actuated from the 'pistol grip' position while the saw is held firmly with both hands.</p>

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.