



McCULLOCH

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



McCULLOCH 640 GEAR DRIVE

- ★ Automatic oiler with manual override controls lubrication for smooth cutting, long bar and chain life.
- ★ Most powerful of all the light gear-drive saws.
- ★ Starts fast — keeps cutting strong. Points and coil weather-proofed to assure fast starts all year long.
- ★ Torture-tested to prove dependability.
- ★ 3:1 or 2:1 gear ratio gives you fast cutting and mighty lugging power.
- ★ Takes bars up to 33", Auto-Mac, Plunge Bow, Paddle Bow, and Speed Tip, Roller Mac Bars.
- ★ McCulloch carburetor, with fingertip primer enables you to cut in any position, even when saw is upside down.
- ★ Automatic rewind starter has easi-grip handle and rugged nylon cord.
- ★ Equipped with McCulloch Auto-Mac, Super-Mac or SL Chain for smoother cutting — longer chain life.

'SPECIFICATIONS — MODEL 640'

Weight of unit less Bar & Chain (lbs., dry)	25.5	Coil Location	Outside flywheel. (Fan cooled)
Dimension (overall outside frame measurement)	Height 13" Length 20" Width 10½"	Coil to Flywheel Clearance (inches)	.008—012
Guide Bar	16, 18, 20, 26, 32" Plunge Bow, Speed Tip, Roller Mac and Auto-Mac Bars.	B.T.C.	26° Static.
Cutting Capacity (inches)		Location of Breaker Points and Condenser	Under Flywheel.
Type Saw Chain	McCulloch Super-Mac, SL or Auto-Mac.	Breaker Point Gap (inches)	.019 - .020
Type of Engine	Single cylinder, two cycle air-cooled, crank-case scavenged.	Spark Plug Type	Champion J-8-J.
Type of Cylinder	Die cast aluminum alloy with precision honed CAST IRON LINER. Integral head.	Spark Plug Gap (inches)	.025
Bore (inches)	2.125	Throttle Type	Butterfly.
Stroke (inches)	1.375	Carburetor Type	Special McCulloch diaphragm type with primer enables engine to operate efficiently in all cutting positions. Fully enclosed in filtered air chamber.
Displacement (cu. in.)	4.9	Fuel Filter	Felt; assures water free fuel delivery
Compression Ratio	6.25:1	Fuel Tank Venting	2-way valve, pressure regulated.
Direction of Rotation Facing Flywheel	Counter Clockwise.	Air Filter Type	Extra capacity, flat flock screen with rubber edges.
Flywheel	High pressure aluminum alloy die casting with integral magneto magnets, steel hub.	Type Fuel Recommended	Automotive Regular Grade.
Crankcase Material	High pressure die casting of aluminum, cast integrally with cylinder.	Fuel-Oil Mixture with McCulloch Oil	20:1
Crankshaft Material	Drop forged SAE 8620 steel carburized, hardened and ground.	Fuel Tank Capacity (quarts)	1.4
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.	Type Fuel Pump	Diaphragm.
Connecting Rod Length Center to Center (in.)	2.51	Type Intake Valve	Tuned reed.
Connecting Rod Crankpin Bearings	24 needle rollers.	Type Cylinder Scavenging	Loop.
Connecting Rod Wrist Pin Bearings	Two needle bearings.	Clutch Engaging Speed R.P.M.	2,600
Main Bearings	Ball and needle.	Gear Ratio	3-1 or 2-1
Piston	Permanent Mold Aluminum. (Oversize pistons available)	Gear Case Lubricant and Capacity (pints)	.21
Number and Type Piston Rings	2 compression rings, top ring chromed, assuring quick sealing, low friction and long life.	Sawdust Guard	Fixed Nylon Grille.
Ignition	Specially designed McCulloch water-proof high tension magneto.	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	Quiet type spark arrester.
		Handle Frame	Full wrap around aluminum handle. Plasticized grip on handle bar. Rubberized pistol grip.
		Safety Control Panel	Grouped controls can be actuated from "pistol grip" position while saw is held firmly with both hands.

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.