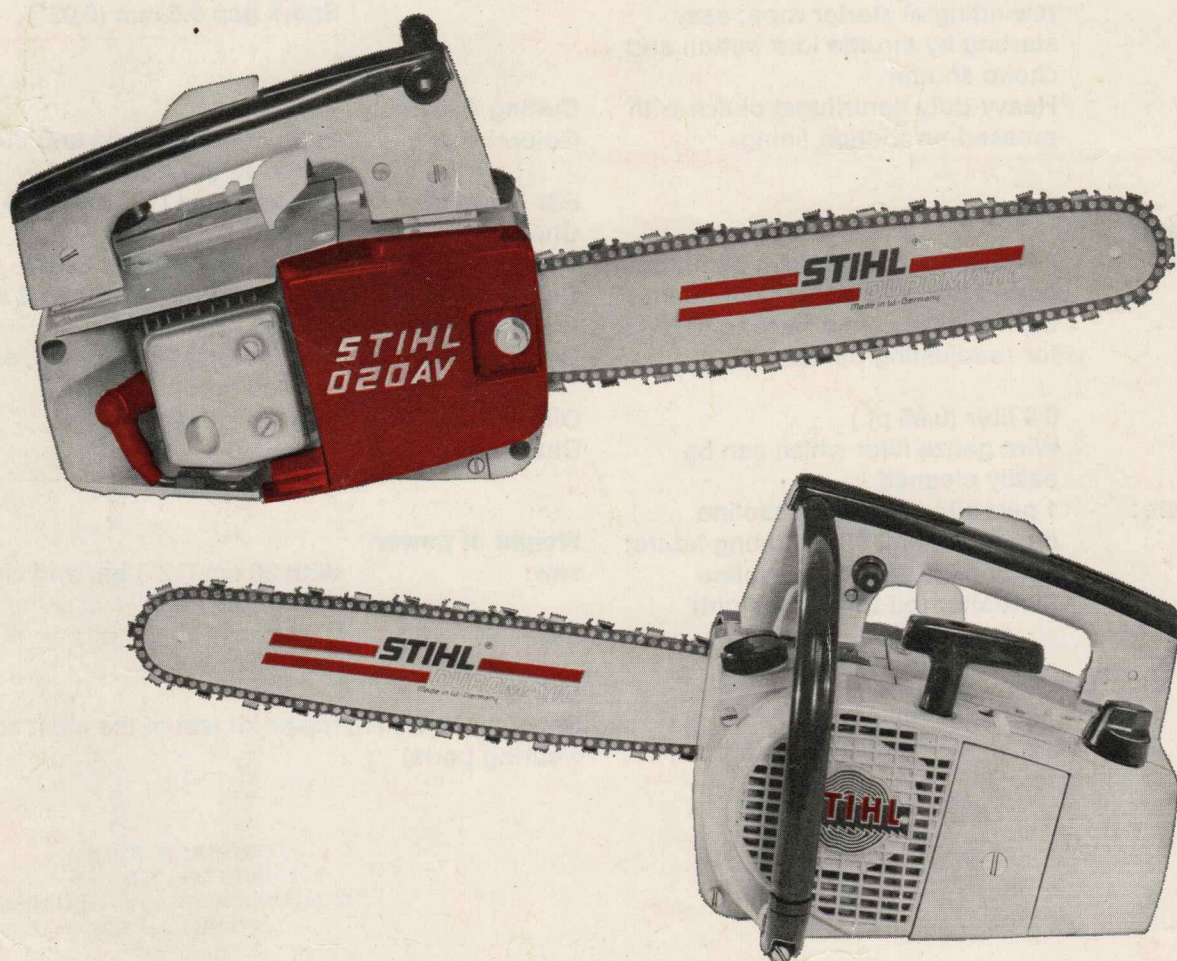




STIHL 020 AV

The saw for occasional users and professionals



STIHL 020 AV

Model 1114

A gasoline saw with direct drive and patented STIHL-AV handle

Specifications

Engine

STIHL single-cylinder two-cycle engine with hard-chromium plated cylinder wall

Piston

displacement: 32 cm³ (1.95 cu. in.)

Cylinder bore: 38 mm (1.5 in.)

Piston stroke: 28 mm (1.12 in.)

Bearings: Heavy duty grooved ball bearings

Rewind starter: Forced engagement with automatic rewinding of starter rope; easy starting by throttle lock button and choke shutter

Clutch: Heavy-duty centrifugal clutch with pressed-on friction linings

Fuel System

Carburetor: All-position HU Tillotson diaphragm carburetor with built-in fuel pump; easily accessible adjusting screws for readjusting carburetor

Fuel tank capacity: 0.4 liter (0.85 pt.)

Air filter: Wire gauze filter which can be easily cleaned

Fuel mixture: 1 part oil to 20 parts gasoline during the first 50 operating hours; 1 part oil to 25 parts gasoline thereafter (oil SAE 30 weight)

Ignition System

Bosch flywheel magneto, of separated construction, very reliable

Magneto edge

gap: 4–8.5 mm (0.16"–0.34")

Ignition timing: 2–2.2 mm (0.079"–0.087")

before top dead center

Spark plug: Bosch WKA 175 T 6

Heat value 175

Spark gap 0.5 mm (0.02")

Cutting Assembly

Guide bars: Induction-hardened and stellite tipped at the nose

Bar lengths: 30 and 35 cm (12" and 14")

Chain: 1/4" pitch

STIHL chain model 3831

Chain speed: About 15.2 m/sec (50.16 ft/sec) at 9000 r.p.m.

Chain lubrication: Fully automatic oil pump, oil feed depending on speed

Oil tank capacity: 0.25 liter (0.53 pt.)

Chain sprocket: 8 teeth for 1/4" pitch

Weight of power

saw: With 30 cm (12") bar and chain
4.4 kg (9.7 lbs)

Extras

Set of tools, STIHL repair kit (set of the most common wearing parts)

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