

LARGE PROCESSOR



Cord King CS27-40 Model 60



Manufacturer

Cord King
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Machine Operator

Dave Kravacek

Assistant

John Cordy

Time

14 min. 17 sec.

Cords Processed

2 Cords

Cords/Hour

8.4 Cords

Go big or go home” would be a good way to describe the philosophy behind Cord King’s CS27-40 firewood processor.

Towering above the other machines in the Shoot-Out area, the first thing you notice is the 60-inch-diameter circle cutoff saw looming over the end of the 20-foot infeed conveyor. At the rate it went through the logs, it could have easily processed all of the Firewood Shoot-Out logs in just one day. As it was, it took less than 15 minutes to go through its 2-cord supply, with no time-out.

In spite of its size, Cord King designer and general manager Dave Kravacek says that one of the biggest advantages of the CS27-40 is its simplicity of design. For example, Cord King firewood processors use direct hydraulic valves instead of joysticks and buttons that activate hydraulics through solenoids. “The manual valves are simple and easy to use, and eliminate the possibility of downtime due to electrical problems,” he explained. In

addition, all Cord King processors use the same control layout, which makes it easy for the operator to switch from one machine to another. Some controls, such as the clamp and cutoff saw feed, are integrated into one control, and the autosplit feature simplifies the operation of the machine. Once the operator gets used to using the controls to move the logs on the live deck, advance the infeed, cut off the firewood, split it, and center the splitter wedge on the firewood, it all becomes second nature.

With a 100-gallon fuel tank and fuel consumption of just 3 gallons per hour, the machine can run for two 8-hour shifts without refueling. The circle saw cutoff requires minimal maintenance. “It will even cut through nails—but it doesn’t like rocks,” Dave noted. With a 3-second cycle time, the saw was in constant motion, bobbing up and down, kicking out a plume of sawdust each time it cut into the log. Crushing 18-inch-diameter firewood through a 12-way splitter with 42 tons of force that quickly takes some serious horsepower. Dave says that the 134-hp Deutz diesel

engine easily handles this task. “We use Deutz engines because they were designed to meet the EPA Tier 4 emissions requirements. This way, everything is in place when Tier 4 compliance is required in 2019.”

The CS27-40 is a two-person machine—one to operate it and one to feed logs. As fast as it works, it is not practical to stop the machine every time the deck needs reloading. It also takes a constant supply of wood, since it

can process over 120 tons a day—a third person to move the split wood as it piles up is also recommended. With its bulk, this machine is just 3/8 of an inch under U.S. DOT maximum width for a normal transport, and its tandem axles, electric brakes, and running lights make it highway legal, but you’ll need something more than the family SUV to pull this 8-1/2-ton behemoth down the road! •



MACHINE SPECS

ModelCS27-40 Model 60
 Power134-hp Deutz diesel T4F
 Cutoff.....60-in. circle saw
 Cycle time3 sec.
 Log loadingLive deck
 Max diameter27 in.
 Options usedOperator’s cab with A/C and heat, Tier 4 F diesel engine dual drive, trap doors, 32-ft. offloading conveyor



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