

LARGE PROCESSOR



BRUTE FORCE

Brute Force 20-30CS

Manufacturer

Brute Force Distributing
N648 Sunset Dr.
Dorchester, WI 54425
ph: 715/678-0037
www.bruteforcemfg.com

Machine Operator

Josh Szydel

Assistant

Kelly Olsen

Time

20 min. 17 sec.

Cords Processed

2 Cords

Cords/Hour

5.92 Cords

Brute Force has been a regular at the Great Firewood Shoot-Out for a number of years. This year, they introduced their brand new 20-30CS, which features a 48-inch-diameter circle blade. According to company owner Josh Szydel, this model has a faster cutting time and requires less maintenance than their original chain saw cutoff processors. All functions on the Brute Force are hydraulic. A hydraulic piston raises and lowers the blade, and the blade itself is powered by a hydraulic piston motor. It takes several seconds for the blade to reach full rpms, but once it spins up to speed, it kicks out an impressive plume of sawdust as it drops through the wood without slowing down noticeably. Josh says that this machine will process a 20-inch-diameter log, but 12–15 inches is ideal. Steel mesh shielding protects the operator from any debris that might get kicked out by the blade. To safely handle the additional weight, the new machine features dual axles

and additional stabilizing legs on the operator's end.

The operator's station has good visibility of the cutting and splitting area and easy access to the splitting chamber, and positions the operator out of line with the cutoff. The splitting end of the mill features an adjustable 6-way wedge (8- and 12-way wedges are optional) and a hydraulic ram that



forces the wood through the wedge with 30 tons of force in just 4.5 seconds (cut-to-cut time). The 20-30CS features both a manual and an autosplit feature that splits the wood and returns the piston with no need to hold the lever. This makes it easier for the operator to advance and cut off the next piece while the machine is splitting. "Our processors use direct hydraulics, all off-the-shelf components," Josh explained. "If you have any issues with hydraulic fittings or hoses, you can replace with parts from a tractor supply company. We're just a down-home company trying to make it easier on the consumer."

The 20-30CS at the Shoot-Out was a prototype machine, and Josh had only a few hours of operating experience. But that was all he needed. The machine ran smoothly, except for a broken-off piece of

wood that caught on the blade. "It pinched the blade a bit and slowed it down some, but we powered through it," he said. "It took a few seconds for the blade to come up to speed, but we didn't use any time-outs with this machine." Josh used the autosplit mode for the entire Shoot-Out. "I just pushed the lever and let the machine do its thing," he recalled.

The fact that Brute Force brought in a prototype processor for such a large public demonstration speaks highly of their confidence in their engineering and fabrication—a confidence rewarded by a great performance. The Paul Bunyan Show itself was a success for Brute Force. "We brought seven machines and the only one we didn't sell was this prototype. We're taking it back for a little tweaking, but this model is available now," he said. ●



MACHINE SPECS

Model	20-30CS
Power	56-hp Kohler turbo diesel
Cutoff	48-in. circle saw
Cycle time.....	4.5 sec.
Log loading	Skid steer
Max diameter	20 in.
Options used.....	18-ft. conveyor

Legs, Legs, Legs

appearing in
Oct at Paul Bunyan Show, OH,
booth 431
Nov at TCI Expo, NC, booth 155



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