



# Stump Hog SH700

The Attachment That Will Turn Any 20 Metric Ton or Larger Excavator, Into A Severe Duty Commercial Stump Grinder.



# Technical Specifications

## ENGINE

Type	John Deere 6068HF275 Turbocharged Diesel Engine
Cylinders	6
Displacement	6.8L
Aspiration	Air to Air
Rated Power	225 bhp @ 2200 RPM
Peak Torque	672 lbs-ft @ 1400 RPM
Governing	Electronic
Engine Protection	Low Oil Pressure, High Water Temperature, and High Angle

## GENERAL

Fuel Tank	75 Gallon (12 hour min.. Run Time)
Radiator	Extreme Duty Mesabi Trash Free
Cooling Fan	Blower
Air Cleaner (2-Stage)	Pre-Cleaner, Primary & Safety Elements
Electrical System	12 Volt with 65-AMP Alternator
Batteries (Two 12 Volt OPTIMA)	1300 CCA
Exhaust System	Air Cleaner Ejector, Water Trap, and Rain Cap
Length	10'
Width, Mainframe	39.5"
Height, Mainframe	73"
Weight (Approximate)	8,500 lbs

**Instrumentation**  
Digital panel for monitoring all vital engine information. Keyed master switch, manual/remote switch, idle/run switch, and circuit breakers.

**Remote Control**  
Wireless hand held transmitter for idle/run, and engine control from the comfort of your cab.

**Gearbox**  
Custom heavy duty design with deep reduction, helical gears, and tapered roller bearings. Double sealed input shaft, with Caterpillar Dualcone® seal on 5.25" diameter output shaft. The gearbox input shaft provides mounting for the fluid coupling, and the cutting disk bolts directly to the gearbox output flange.

## CUTTING DISK

Cutting Disk Design	SANDVIK DURADISK II
Cutting Disk Dimensions w/o Teeth	1.5" X 44"
Cutting Disk Material	A36 Steel
Cutting Disk Speed w/engine @ 2200rpm	300 RPM
Maximum Torque at Gearbox output flange (engine @ peak torque)	4900 lbs. ft
Cutting Disk Mounting	Direct to gearbox output flange with 12 Bolts
Usable Cutting Surface, Front Face Of Cutting Disk	100%
Attachment Cutting Depth	Unlimited, With Multiple Passes

## EXCAVATOR REQUIRED

Minimum Capability 20-Metric Ton, 45,000 lbs. Weight Class 6 each side

## PERFORMANCE

Typical Hardwood Cutting Times, Includes Stump and Root Mass					
Stump Diameter	Type	Time	Stump Diameter	Type	Time
6"	Maple	:04	22"	Cherry	:55
12"	Cherry	:18	22"	Oak	:50
14"	Apple	:12	24"	Oak	:58
14"	Cherry	:25	30"	Oak	1:15
15"	Oak	:25	40"	Oak	2:10
18"	Maple	:35	42"	Oak	2:20
18"	Cherry	:30	46"	Oak	2:45
21"	Oak	:45			

- Operators cab must be protected with both properly maintained 1/2" LEXAN® Glass (or equal).
  - Always insure that your carrier manufacturers safety features, including Falling Object Protection meet your job safety requirements.
  - Safety Is The Responsibility Of The Operator.
  - Specifications subject to change without notice.
- LEXAN® is a registered trademark of General Electric Company.

## SH700 Models

### BENEFITS OF AN EXCAVATOR

The reach, mobility, and precise control, using the curling action of the excavator, make it the ideal platform for stump grinding.

### EASE OF ATTACHMENT

Installation is as fast as you can change the bucket. There are no hydraulic, fuel, or electrical connections required from the excavator.

### BENEFITS OF DISK FACING OPERATOR

The operator has full view of the disk and stump at all times. Debris is discharged to the right, allowing the left side of the attachment to grind close to buildings, roads, or tree lines.

### RUGGED DIRECT DRIVETRAIN

No hydraulics, belts, or chains.

### DEEP REDUCTION GEARBOX

Designed to provide the high torque required for stump grinding, and the low speeds necessary for good tool life and mild debris discharge.

### FLUID COUPLING

Prevents the engine from stalling if the disk is stopped, and protects drivetrain components from shock loads and torsional vibrations.

### BENEFITS OF LOW SPEED CUTTING SYSTEM

Significantly extends tool life, and reduces premature wear of the tool holders and the cutting disk. Safety is greatly improved with the low speed and mild debris discharge.

### SANDVIK DURADISK II CUTTING SYSTEM

Incorporates a patented tooling system that gives a smooth cutting action with less vibration. Drag is greatly reduced by eliminating large, blunt tool holders found in most other stump cutting systems. Replacement parts cost are among the lowest in the industry.



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