

# SC70TX STUMP CUTTER



**OPERATOR PRESENCE SYSTEM.** This operator system is intended to help protect the operator. If the operator's hand(s) leave the cutter wheel controls for more than one second, the cutter wheel will disengage, come to a stop and the cutter wheel indicator light will go out.



**TRACTIVE EFFORTS.** The SC70tx is equipped with an increased ground drive speed and is designed with a track to help decrease ground disturbance.



**PRODUCTIVE CHIPPING.** With a 67 hp (50 kW) Cat C2.2L turbocharged Tier 4 Final/Stage IIIB diesel engine, this machine is ready for tough cutting jobs.



**PATENTED SMARTSWEEP™ CONTROL SYSTEM.** The patented SmartSweep control system monitors engine speed and automatically adjusts cutter wheel sweep rate to maximize power to the cutter wheel while reducing engine stress.



**OPTIONAL REMOTE CONTROL.** An optional remote control allows operators to maneuver the stump cutter while away from the unit.



**YELLOW JACKET™ CUTTER SYSTEM.** The Vermeer-exclusive Yellow Jacket cutter system is designed to provide efficient serviceability, as well as to help extend pocket and tooth life.

# SC70TX STUMP CUTTER

## GENERAL

Length: 141.6" (359.6 cm)

Width: 51" (129.5 cm)

Height: 72" (182.8 cm)

Weight: 3900 lbs (1769 kg)

## ENGINE

Make and model: Cat C2.2 turbocharged Tier 4 Final diesel

Number of cylinders: 4

Max gross horsepower: 67 hp (49.9 kW)

Max torque: 153 ft-lb (207.4 Nm)

Fuel tank capacity: 12 gal (45.4 L)

Max fuel consumption: 3.6 gph (13.6 L/h)

Fuel type: Ultra-low sulfur diesel

Air cleaner: Dry-type, restriction indicator, evacuator valve, safety element

Oil filter: Spin-on

Recommended oil: 10W-30

Oil volume with filter: 8.5 qt (8 L)

Maximum angle of continuous operation: 35

Cooling medium: Water/Antifreeze

Coolant capacity (engine and radiator): 2.9 gal (10.9 L)

Alternator: 85A

Fan: 16.5" (40.7 cm)

Clutch type: Electric clutch with brake

## CUTTER WHEEL SYSTEM

Cutter wheel diameter without teeth: 23" (58.4 cm)

Cutter wheel thickness: 1.1" (2.7 cm)

Cutter wheel speed: 880 rpm

Cutter wheel straight line dimension: 65" (165.1 cm)

Cutter wheel cut above ground: 27" (685.8 cm)

Cutter wheel cut below ground: 16" (40.6 cm)

Tooth description: Yellow Jacket cutter system

Number of teeth: 30

Number of indexes: 2

Number of pockets and reversible pockets: 30

Cutter wheel guard: Standard

Chip containment: 23 cu ft (.7 cu m)

## CUTTER WHEEL DRIVE COMPONENTS

Upper gearbox: Straight bevel

Oil type: SAE 75W90 synthetic gear oil

Oil capacity: 1.7 qt (1.6 L)

Lower gearbox: Straight bevel

Oil type - lower gearbox: SAE 75W90 synthetic gear oil

Oil capacity - lower gearbox: 2.2 qt (2.1 L)

Driveshaft: 2 universal joints

## HYDRAULIC SYSTEM

Tank capacity: 9.6 gal (36.3 L)

Recommended oil type: Vermeer Hypower 68

System type: Tandem gear pump, pressure balanced

Filtration method: Full-flow 4 micron return filter, suction strainer

Max pump flow: 9 gpm (34 L/min)

System relief pressure: 2900 PSI (19,994.8 kPa)

Flow control: Yes

Directional control: Yes

## ELECTRICAL SYSTEM

System voltage: 12

Battery: 575 CCA

Indicator lights: Engine faults

Switches: Boom swing, boom height, creep propel, ignition, clutch, track gauge, track speed range, SmartSweep, throttle

Controller: Vermeer C248 with SmartSweep system

Display: Multifunction display (MFD) Displays: hours, fuel level, engine speed, engine faults and engine status

Shutdown system: High engine temperature and low oil pressure

Radio remote control: Optional, wireless

## CHASSIS

Control station description: Swing-out

Operator vision shield description: Abrasion-resistant coated polycarbonate

Track brake type: Spring-applied and hydraulically released dual parking brakes

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