

# Vermeer®

Concrete Cutter

# CC155

## **Your Complete Concrete Cutting Solution**

Whether you're cutting streets for utility installation or pothole repair, you'll get the job done fast and efficiently with the Vermeer CC155 concrete cutter. It is powered by a Tier-II 155 HP (115.6 kw) Cummins engine and managed by a microprocessor load control. The CC155 boasts many operator friendly features including backlit gauges, a rear mounted work light, and improved steering wheel ergonomics to name a few. Add an improved ground drive system and an easy access tilting hood, and you'll see why the CC155 is the concrete answer.

The CC155 is a great choice for patch work and joint repair on interstates, streets and highways. Put it to work cutting highway and bridge relief joints and longitudinal ditches for highway drainage. It's also great for street and airport lighting projects, airport guidance systems and demolition work. Like all Vermeer equipment, the CC155 is backed by a worldwide dealer support network and quality Vermeer parts and service.





**Increased tractive effort.** The CC155 features a true all wheel drive system. With two pumps and four motors, the system provides torque to all four wheels at all times in all speed ranges. This equates to better traction in most conditions and less tire spinning during cutting for longer tire life.

**New attachment drive motor.** A low speed, high torque motor features a robust housing design with high starting torque and radial load capability. A Hi/Lo feature coupled with a variable displacement pump provides for adjustment of cutter tip speed to match a multitude of cutting conditions.



**Tier II Power.** A 155 HP (115.6 kw) Cummins engine provides a steep, sustained torque output. The electronic control system delivers precise control over engine performance while meeting every Tier II/Stage II emissions standard. The electronic control system also provides diagnostic capability and built-in engine shutdown protection.



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## CC155 Specifications

### General

- Weight: 24,500 lb (11,113 kg)
- Length: 165" (419 cm)
- Height: 120" (305 cm)
- Width: 96" (244 cm)
- Wheel base: 97" (246 cm)
- Ground clearance: 5" (13 cm)
- Tread width: 79" (201 cm)
- Water tank capacity: 200 gal (757 L)
- Weight (tanks empty): 22,600 lb (10,251 kg)

### Engine

- Make and model: Cummins 6BT 5.9
- Gross horsepower: 155 hp (115.6 kw)
- Fuel capacity: 82 gal (310 L)
- Operating range: 8 hrs
- Number of cylinders: 6
- Displacement: 5.9 L (1.6 gal)
- Cooling medium: Liquid
- Air cleaner: Two stage Scavenger
- Electrical system: 12-volt

### Auxiliary Hydraulic System

- Oil tank capacity: 82 gal (310 L)
- Oil type (standard): Vermeer Hy-Power

### Ground Drive

- Ground drive motors: 4 independent wheel motors
- System pressure: 5000 psi (345 bar)
- Brakes (park): Spring-applied, hydraulic release
- Tire size (foam filled): 32.3 x 16.5 - 12
- Transport speed max.: 900 ft/min or 10mph (274 m/min or 15 kmph)

### Steering

- Type: Hydraulic automotive
- Steering ratio: 4 turns lock to lock
- Turning radius: 18' (5.5 m)

### Cutter Wheel

- Wheel diameter: 84" (213 cm)
- Cutting width: 4.75" (12 cm)
- Cutting width 2: 5" (13 cm)
- Cutting width 3: 6.5" (17 cm)
- Cutting width 4: 9" (23 cm)
- Cutting width 5: 10" (25 cm)
- Max cutting depth: 31" (79 cm)
- Rock cutter segments: Bolt-on replaceable x 10
- Cutting teeth type: Free-rotating, carbide tipped
- Cutter wheel drive: Hydraulic low speed high torque motor
- Wheel thickness: 2" (5 cm)
- Rock cutter teeth quantity: 5" cut - 110
- Rock cutter teeth quantity: 6.5" cut - 130
- Rock cutter teeth quantity: 9" cut - 150
- Rock cutter teeth quantity: 10" cut - 110

### Cutter Wheel Drive

- Cutter tip speed (low range): 932 ft/min (284 m/min)
- Cutter tip speed (high range): 1863 ft/min (568 m/min)

### Vermeer Manufacturing Company

1210 Vermeer Road East  
P.O. Box 200  
Pella, Iowa 50219 U.S.A.  
Phone: (641) 628-3141  
Fax: (641) 621-7734  
International fax: +1 (641) 621-7730  
www.vermeer.com

### Call toll-free 1-888-VERMEER

1-888-837-6337 (U.S.A. only)

### Europe, Middle East and Africa:

P.O. Box 323  
4460 AS Goes  
Netherlands  
Phone: +31 113 272700  
Fax: +31 113 272727