

# SM55

## SURFACE MINER



**COMPACT DESIGN FOR EASE OF TRANSPORT.** Designed to easily transport from jobsite to jobsite, the Vermeer SM55 surface miner includes a drive-on/drive-off transportation method using common industry equipment, minimal permitting and eliminates the need for a crane.



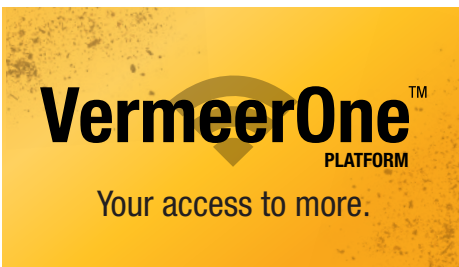
PROTOTYPE SHOWN

**PREMIUM OPERATOR EXPERIENCE.** Being wireless remote-operated, this surface miner was designed with operators in mind. Allowing operators full control from the seat of their trucks where there's reduced noise, reduced ground disturbance and a wide view of their work zone.



PROTOTYPE SHOWN

**QUALITY CUTTING ON MULTIPLE JOB TYPES.** This versatile machine delivers a productive, efficient solution for continuous surface mining in quarries, mines and civil construction applications.



**YOUR ACCESS TO MORE.** VermeerOne™ is more than a tool or platform. It's an experience — one designed to simplify equipment management, empower users with real-time data to make smarter decisions and help maximize productivity and profitability.



PROTOTYPE SHOWN

**HIGHLY MANEUVERABLE ON TIGHT JOBSITES.** Optimal maneuverability on the jobsite comes from the machine's low center of gravity, stable parallel track design and a zero-turn radius — allowing for stability over changing and diverse surface conditions.



PROTOTYPE SHOWN

**ACCURACY ON THE JOBSITE WITH GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) GUIDANCE.** GPS technology can be used to create a mine-by-line plan that can be uploaded to the GPS system — then the machine will automatically cut to the plan.

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## TRANSPORT/OPERATING DIMENSIONS

Approach angle: 15°

Transportation height: 136 in (345 cm)

Operation height: 190 in (483 cm)

Length: 350 in (889 cm)

Weight: 120,000 lb (54,431 kg)

Attachment width: 138 in (350 cm)

Tractor width: 118 in (300 cm)

## ENGINE

Make and model: CAT® C13 ACERT Tier 4 Final/Stage V

Gross horsepower: 415 hp (309 kW)

Rated engine RPM: 2,100 rpm

Number of cylinders: 6

Fuel tank capacity: 230 gal (881 L)

Operating range at full load: 11 hr

Fuel consumption at full load: 21 gph (79 lph)

Maximum engine operating angle (operating angles do not indicate safe machine operating angles): 35°

Air cleaner: Dry-type exhaust-aspirated

Aspiration: Turbo charged & air-to-air after cooled

Cooling medium: Liquid

Electrical system: 24 Volt DC

Oil filter: Full flow

## TRACKS

Auto self level: No

Ground pressure minimum: 21.5 psi (148 kPa)

Ground pressure maximum: 23 psi (159 kPa)

Tilt track available: No

Tilt track max angle: N/A

Track drive type: Dual path hydrostatic with planetary transmission

Track length: 129 in (327 cm)

Track pad type: Double grouser

Track pad width: 18 in (46 cm)

Maximum ground speed - low: 54 ft/min (16.45 m/min)

Maximum ground speed - high: 108 ft/min (33 m/min)

Parking and emergency brake: Spring-applied, hydraulic release, wet disc brake

Service brakes: Hydrostatic

## HYDRAULIC SYSTEM

Oil tank capacity: 235 gal (889.5 L)

Oil type: Vermeer HyPower 68, Vermeer HyPower 100 or Vermeer HyPower 1100

Pump type: Pressure-and-flow-compensated (load sensing)

## MACHINE DIMENSIONS

