

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.



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.



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.



HIGHLY MANEUVERABLE ON TIGHT JOBSITE.
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.



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.

SM55 SURFACE MINER

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

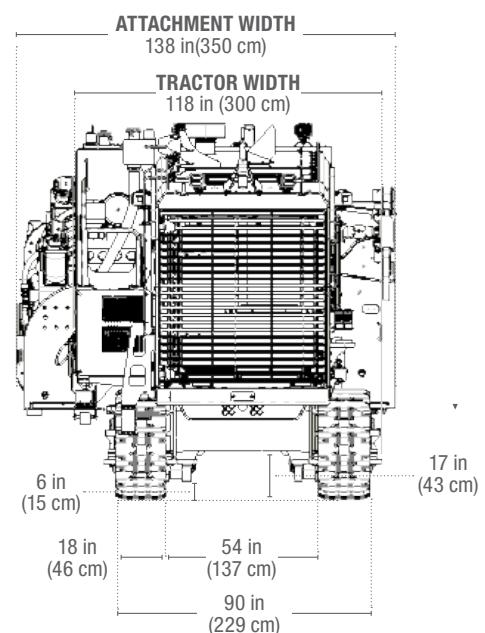
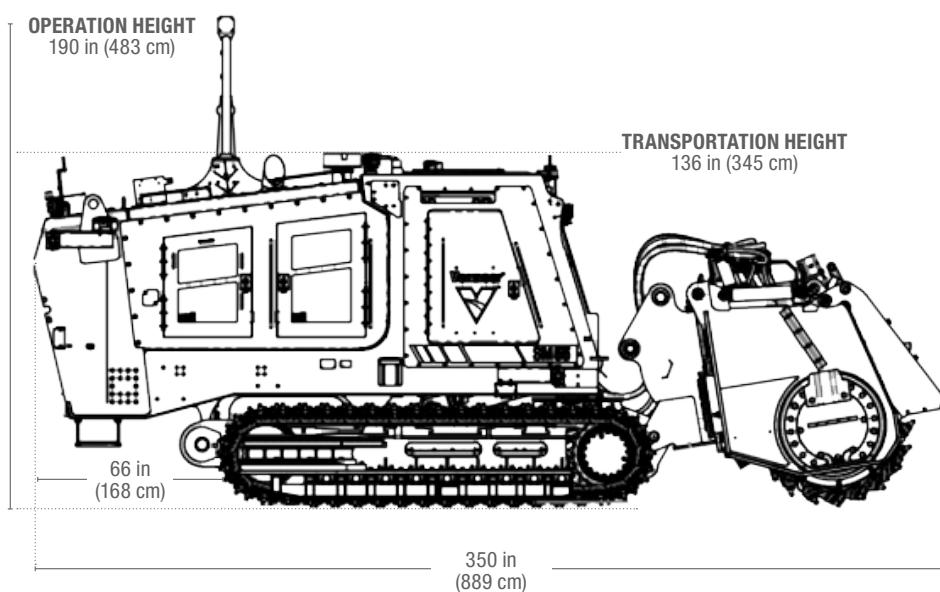
Aspiration: Turbo charged & air-to-air after cooled

Cooling medium: Liquid

Electrical system: 24 Volt DC

Oil filter: Full flow

MACHINE DIMENSIONS



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)