



A Caterpillar Brand

TOGETHER FOR FUTURE SUCCESS



WHEEL LOADERS

A MODEL FOR EVERY APPLICATION

SEM Wheel Loaders began in the 1970's with a line of compact, small and mid-size loaders designed to work efficiently in a wide variety of applications. The product line has since expanded to include tractors, motor graders and soil compactors.

The SEM 66X Series Wheel Loaders are designed for heavy-duty working conditions with higher load capacities for heavier materials. SEM 65X Series Wheel Loaders feature low-speed engines for increased efficiency and offer a number of productivity-enhancing features. The SEM 63X Series Wheel Loaders are the ideal choice for light working conditions, with a performance series bucket that delivers 10% greater capacity than other bucket designs along with improved dump height. SEM 61X Series Wheel Loaders feature 10% higher dump clearance than others and offer a quick coupler to handle a wide selection of work tools.



| MODEL | BUCKET CAPACITY (m ³) | RATED POWER (kW) |
|---------|-----------------------------------|------------------|
| SEM618D | 1.0 | 60 |
| SEM630D | 1.53 | 92 |
| SEM636D | 1.7 | 92 |
| SEM652B | 2.7 | 162 |
| SEM653D | 2.7 | 162 |
| SEM655D | 3.0 | 162 |
| SEM656D | 3.0 | 162 |
| SEM658C | 3.0 | 162 |
| SEM659C | 3.0 | 162 |
| SEM660D | 4.0 | 178 |
| SEM668C | 3.5 | 175 |
| SEM669C | 3.5 | 175 |

SOIL COMPACTORS

HIGH PERFORMANCE AND VERSATILITY

SEM Soil Compactors are essential tools in many applications, including road, railway and airport construction and industrial yard compaction. The 50 mm-wide drum delivers compaction performance up to 15 percent greater than other models. The eccentric vibe pod design extends system life by up to 50 percent, with a sealed gear that eliminates contamination and prolongs bearing life. The electronically controlled transmission is easy to shift, reduces operator fatigue, improves efficiency and delivers high productivity. Reliability is further enhanced by a three-level alarm system that diagnoses machine operation issues and alerts the operator with indicator lights and audio alarms.

| MODEL | BUCKET CAPACITY (m ³) | RATED POWER (kW) |
|--------|-----------------------------------|------------------|
| SEM510 | 10 000 | 97.5 |
| SEM512 | 12 000 | 97.5 |
| SEM518 | 18 000 | 129 |
| SEM520 | 20 000 | 129 |
| SEM522 | 22 000 | 140 |



TRACK-TYPE TRACTORS

HIGH EFFICIENCY AND RELIABILITY

As a Caterpillar brand, SEM is able to leverage more than 100 years of Caterpillar technology and design experience to provide a series of track-type tractors that meet your every application need. The hydrostatic system on all models delivers higher efficiency and maximum traction. The world-class undercarriage ensures high reliability and wear resistance, and the planetary final drive design provides increased torque ratio for higher transmission efficiency and lower maintenance costs. Joystick controls provide comfortable, precise blade operation. Advanced structural welding techniques and stress analysis tests ensure durability and long life.



| MODEL | BUCKET CAPACITY (kg) | FLYWHEEL ENGINE POWER (kW) |
|-------------|----------------------|----------------------------|
| SEM816D | 1.0 | 60 |
| SEM816D LGP | 1.53 | 92 |
| SEM816D DS | 1.7 | 92 |
| SEM816D CH | 2.7 | 162 |
| SEM816D FR | 2.7 | 162 |
| SEM822 | 3.0 | 162 |
| SEM822 LGP | 3.0 | 162 |
| SEM822 WHA | 3.0 | 162 |
| SEM822D | 3.0 | 162 |
| SEM822D LGP | 4.0 | 178 |
| SEM822D WHA | 3.5 | 175 |

MOTOR GRADERS

EXCEPTIONAL COMFORT AND PRODUCTIVITY

SEM Motor Graders feature large, roomy cabs mounted on the front frame for an exceptional operator view to the blade and front axle, even during articulation. With a height of 1.9 meters, the cab is about 30 percent larger than other models, offering exceptional operator comfort that enables greater productivity. A seven-position link bar with electric-over-hydraulic controls enables ease of operation, and wide, optimum blade reach improves productivity. A standard blade float function enables the blade to lower without hydraulic pressure for increased versatility. The A-frame and drawbar use a tubular, flanged box-section design that eliminates the need for welds in high-stress areas and employs continuous top and bottom plate construction for maximum strength and durability.

| MODEL | BUCKET CAPACITY (m³) | RATED POWER (kW) |
|------------|----------------------|------------------|
| SEM919 | 15 130 | 140 |
| SEM921 | 15 930 | 162 |
| SEM922 AWD | 16 550 | 162 |



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To meet the diverse needs of our growing customer base, Caterpillar is proud to offer utility customers the SEM product line, sold outside of China exclusively through Cat dealerships with dedicated SEM channels.

Caterpillar's SEM Brand is committed to improving the quality and breadth of its product line with a focus on research and development. Quality is further ensured by adhering to the proven Caterpillar Production System.

SEM equipment is designed to meet the specific needs of utility customers who focus on initial acquisition cost over long-term cost of ownership. SEM products meet or exceed all regional industry requirements for quality and reliability in the more than 90 countries where they are currently sold.



As part of our commitment to our growing customer base worldwide, Caterpillar is proud to serve utility customers through our SEM brand.

Formerly Shandong SEM Machinery Co., Ltd, Caterpillar (Qingzhou) Ltd. (CQL) offers both SEM and Cat branded products.