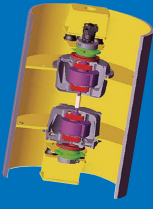
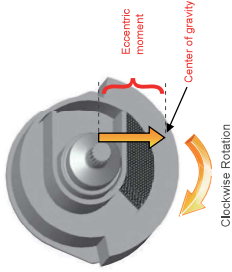


Vibe Pod Design



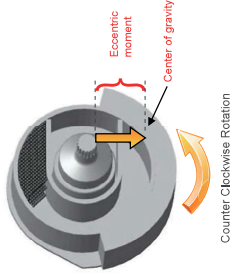
- Eccentric /vibe pod design, extends system life by 50%
- Steel shot moving inside closed eccentric block, stable and reliable vibrate amplitude, reduces impact to motor, prolongs maintenance period of vibratory system
- Completely sealed eccentric gear eliminates contamination, prolongs bearing life
- SEM520/522 are equipped with a 50 mm thick drum compared to competitors with a 40 mm thick drum, provides increased compaction performance versus the competition

High Amplitude



- The position of the steel shot and the eccentric weight combine to produce the maximum centrifugal force

Low Amplitude



- The position of the steel shot is offset by the eccentric weight to produce a lower centrifugal force

Cooling System

Isolated modular cooling system

- Suction style fan pulls low temperature air through the radiator, providing superior cooling capability
- Optional high ambient cooling system allows the machine to work in ambient temperature up to 50 °C

Shunt tank provides constant system pressure and provides easy visual check of coolant level



Vibratory Hydraulic System

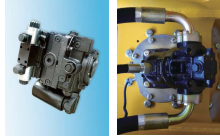
Closed center hydraulic system

- Improves efficiency by 20% over the open center system
- Reduces oil contamination, prolongs life of hydraulic system
- Maintains higher pressure and smaller energy loss
- Allows for simpler hose routing
- Requires smaller volume hydraulic tank, reduces maintenance cost



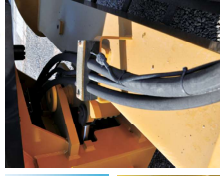
World class vibratory hydraulic components

- SEM518/520 utilize Sauer piston pump and motor
- SEM522 utilize Rexroth piston pump and motor



Vibratory hose

- Utilize Eon hoses and joints, high reliability
- Optimized hose routing, prolongs hose life



Cat® Product Link™

Cat® Product Link™ will support your business, and accurately convey information of the equipment to relevant personnel in a timely and effective manner for your better equipment management.



Powertrain

Electronically controlled transmission

- Easier to shift, reduces operator fatigue and improves working efficiency
- High reliability

Axle equipped with Proportional Torque differential (PTD)

- PTD controls torque applied to the wheels based on ground conditions, improves overall traction
- Grade ability is 34% compared to competitors' at 30%
- Optimized transmission ratio, 1st gear has higher travel speed



Dashboard

Vibratory Frequency Meter

- Continuously displays machine compaction frequency
- Operator may select appropriate frequency to avoid excessive compaction

Three Level Alarm System

- Machine will display system issues and notify the operator with 3 levels of warning indicator lights and audio alarms



Display Contents
Transmission Oil Temperature
Battery Voltage
Vibratory Frequency Meter
Working Hours

