

Key Applications

SEM510 and SEM512 SCOM are widely used in road work, sub-base, parking lots, site development, water and sewer trench work, hills and uneven terrain



Cab & Operation System

- Canopy standard, Cabin + A/C optional
- Big room, superior front, side and rear visibility
- SEM512/510 is hydrostatic compactor. The operation system is very simple, it just has two control levers, one for throttle control, another one is for forward/backward and brake control
- A/C with interior cycle/out side fresh air cycle selection for better defog capability
- Safety belt is standard



Optional Accessories

Configuration (O=Optional)	SEM510	SEM512
Soft CAB+AC	O	O
Compaction meter	O	O
Cold Start (Air Inlet Heater, -20C)	O	O
Rear rain wiper(Cab Only)	O	O
Radio (AM, FM) (Cab Only)	O	O
Pad Foot Shell Kit	O	O

Specifications

Items	Unit	SEM510	SEM512
Engine Specification			
Emission		China Stagell	China Stagell
Std Rated Power-Gross	kW	97.5	97.5
Rated Speed	r/min	2,200	2,200
Composite Work Cycle Fuel Consumption (l/hour)	N.m/rpm	560/1,400-1,600	560/1,400-1,600
Ambient Capability-STD Sea Level	Deg C		
Ambient Capability-HA Sea Level	Deg C	49	49
Ambient Capability-Cold Weather	Deg C	-10	-10
Operating Specifications			
Machine Mass w/Std Config	kg	10,000+3%	12,000+3%
Weight at Drum w/Std Config	kg	5,900+3%	6,900+3%
Weight on Rear Axle	kg	4,100	5,100
Static Linear Load	N/cm	217	317
Max. Grade Ability w/o vibration	%	45	45
Articulated Angle	°	33±1	33±1
Turning Radius Inside Drum Edge	mm	5,990	5,990
Compaction Width	mm	2,130	2,130
Travel Speed			
Lo Range	km/h	0 to 5.5	0 to 5.5
Hi Range	km/h	0 to 12	0 to 12
Hydraulic Cycle Time			
Full Turn Time	s	6±0.5	6±0.5
Vibratory System			
Frequency-Hi/Lo	HZ	33/30	33/30
Amplitude-Hi/Lo	mm	0.90/1.80	0.90/1.80
Centrifugal Force-Hi/Lo	kN	130/215	150/245
Dimensions			
Machine Dimensions[L*W*H]	mm	5,815*2,290*3,130	5,815*2,290*3,130
Oscillation Angle	°	10±1	10±1
Wheelbase	mm	2,900	2,900
Tread Width	mm	1,600	1,600
Drum Width	mm	2,130	2,130
Drum Diameter	mm	1,590	1,600
Tire Specs			
Tire Pressure Setting	Mpa	0.35	0.35

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SEM510/512 Soil Compactor



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SEM510 SEM512

- **High Reliability:** Hydrostatic drive system with world class variable displacement piston pump and motors delivers leading in class reliability
- **High Productivity:** Dual amplitude and frequency vibration system enable the operator to achieve better compaction result
- **High Efficiency:** Up to 45% grade ability allows the machine to work efficiently on slop and uneven terrains

Website <http://www.semmachinery.com>



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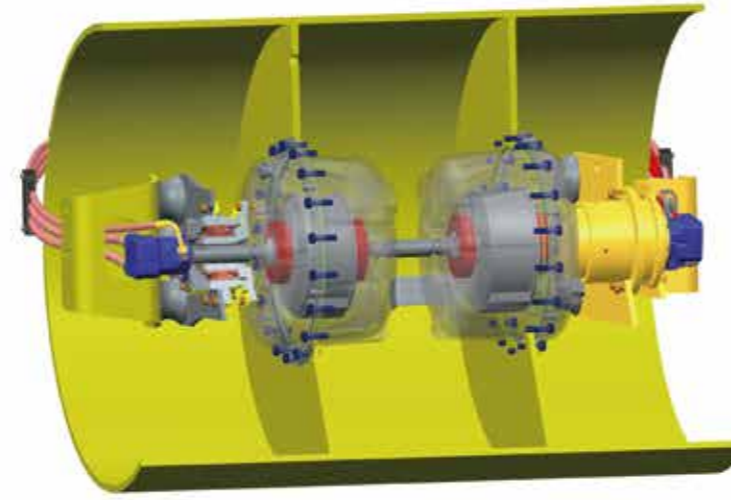
Engine

- Weichai WP4 engine with turbo charger and ATAAC
- High fuel efficiency



Vibration System

- Pod-style eccentric design
- Dual amplitude and frequency with world class piston pump and motor



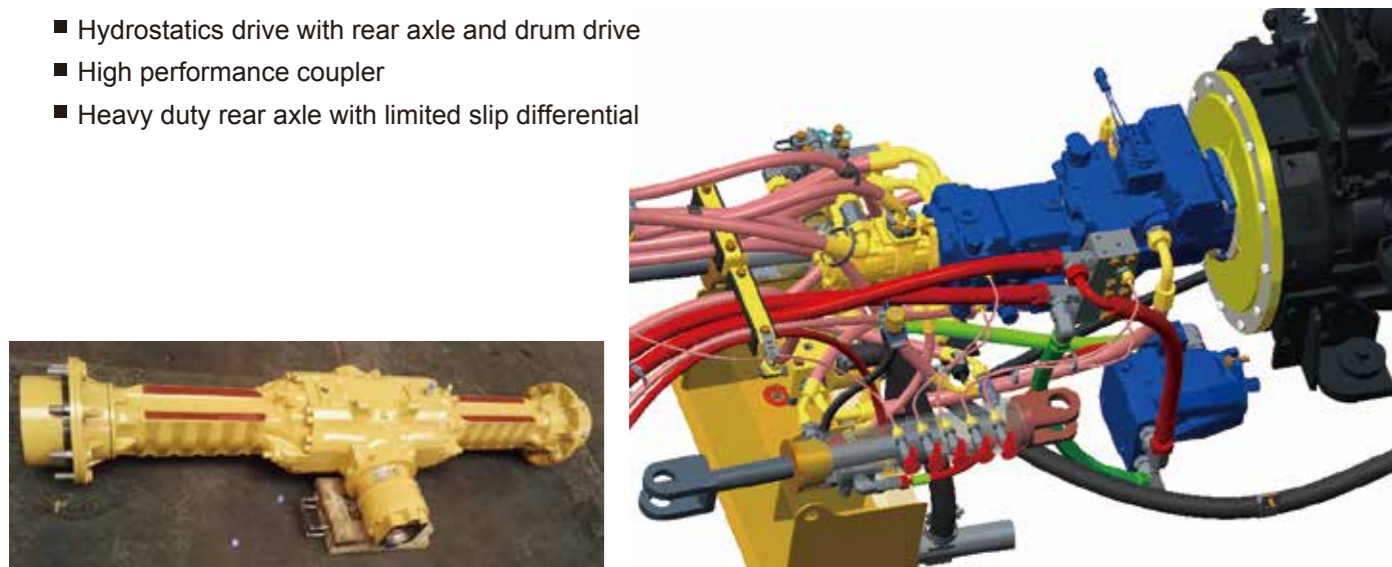
Hydraulic System

- Improves efficiency by 20% vs. open center system
- Reduces oil contamination, extends life of hydraulic system
- Maintains higher system pressure with less energy loss
- Allows for simpler hose routings
- Requires smaller volume hydraulic tank, reduces maintenance cost



Drive Train

- Hydrostatics drive with rear axle and drum drive
- High performance coupler
- Heavy duty rear axle with limited slip differential



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Cooling System

- Modular cooling package design
- Up to 49°C ambient temperature cooling capacity

