

Category - Compactor

Items	SEMSEM 512
Engine Specification	
Emission	China Stagell
Std Rated Power-Gross	97.5kW
Rated Speed	2,200r/min
Composite Work Cycle Fuel Consumption (l/hour)	560/1,400-1,600N.m/rpm
Ambient Capability-STD Sea Level	-
Ambient Capability-HA Sea Level	49Deg C
Ambient Capability-Cold Weather	-10Deg C
Rated Gross Power	175 kW/235 hp
Model	SDEC SC11CB 240
Bore	120.65 mm
Stroke	152.4 mm
Displacement	10.45 L
Peak Torque	950 Nm
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test	test
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Ambient Capability- Cold Weather	-10 Deg C
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test	test

Operating Sepcification

Machine Mass w/Std Config	12,000+3%kg
Weight at Drum w/Std Config	6,900+3%kg
Weight on Rear Axle	5,100kg
Static Linear Load	317N/cm
Max. Grade Ability w/o vibration	45%
Articulated Angle	33±1°
Turning Radius Inside Drum Edge	5,990mm
Compaction Width	2,130mm
Breakout Force	168 kN
Dump Clearance	3058 mm
Articulated Angle	38±1 °
Breakout Force	168 kN
Machine Mass w/Std Config	10,000+3% kg
Weight at Drum w/Std Config	5,900+3%
Weight on Rear Axle	4,100 kg
Static Linear Load	217 N/cm
Max. Grade Ability w/o vibration	45%
Articulated Angle	33±1 °
Turning Radius Inside Drum Edge	5,990 mm
Compaction Width	2130 mm
Machine mass w/std config	10,000+3% kg
Weight at Drum w/Std Config	5,900+3% kg
Weight on Rear Axle	4,100 kg
Static Linear Load	217 N/cm
Max. Grade Ability w/o vibration	45 %

Travel Speed

Lo Range	0 to 5.5km/h
Hi Range	0 to 12km/h
Lo Range	0 to 5.5 km/h
Hi Range	0 to 12 km/h

Hydraulic Cycle Time

Full Turn Time	6±0.5s
Full Turn Time	6±0.5 s

Vibratory System

Frequency-Hi/Lo	33/30HZ
Amplitude-Hi/Lo	0.90/1.80mm
Centrifugal Force-Hi/Lo	150/245kN
Frequency-Hi/Lo	33/30 HZ
Amplitude-Hi/Lo	0.90/1.80 mm
Centrifugal Force-Hi/Lo	130/215 kN

Items	SEMSEM 512
Dimensions	
Machine Dimensions[L*W*H]	5,815*2,290*3,130mm
Oscillation Angle	10±1°
Wheelbase	2,900mm
Tread Width	1,600mm
Drum Width	2,130mm
Drum Diameter	1,600mm
Machine Dimensions[L*W*H]	5,815*2,290*3,130 mm
Oscillation Angle	10±1°
Wheelbase	2900 mm
Tread Width	1600 mm
Drum Width	2130 mm
Drum Diameter	1590 mm
Tire Specs	
Tire Pressure Setting	0.35Mpa
Transmission	
Transmission Type	Countershaft, power
Transmission Gears	F4/R4
Torque Converter Type	Single stage 3 elements
Maker & Type	SEM TR200
Forward I/ Reverse I	7.8/7.8 km/h
Forward II/ Reverse II	15/15 km/h
Forward III/ Reverse III	22/22 km/h
Forward IV/ Reverse IV	39/39 km/h
Travel Speed:	I II
Forward	7.4 km/hr 13.5 km/hr
Reverse	9.2 km/hr 31.1 km/hr
Travel Speed:	III IV
Forward	25.4 km/hr 41.5 km/hr
Main Specifications	
Wheel Base	3 300 mm
Service Refill Capacities	
Cooling System	30 L
Engine Lubricating Oil	16 L
Oil for Converter and Gear Box	45 L
Differentials and Final Drives: Front	10 L
Differentials and Final Drives: Rear	10 L
Hydraulic Tank	90 L
Final Drive(each side)	40 L
Final Drive(each side)	40 L
Tires	

Items	SEMSEM 512
Size	17.5-25
Type	Bias
Layers	12
Textured Type	L3/E3
Air Pressure	Front 350 kPa/Rear 300 kPa
Tire Pressure Setting	0.35 Mpa

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