

# VIBRATORY ROLLER

# CASE

CONSTRUCTION

SINCE 1842.

## 1107EX

### ENGINE

Manufacturer	FPT with Tier III certification
Type	S8000
Gross horsepower	110 hp (82 kW)
Max Torque	430 Nm

### ELECTRICAL SYSTEM

Voltage	12 V
Batteries	1 - 130 A
Alternator	105 A

### STEERING

Gear pump	1
Cylinders	2
Angle (left/right)	37°
Oscillation angle	15°
Outside turning radius	6,05 m (19,85 pies)

### WEIGHT

WEIGHT – Smooth drum	
Operating weight	11 380 kg (25 089 lbs)
Front Axle Load	6 560 kg (14 462 lbs)
Rear Axle Load	4 820 kg (10 626 lbs)
Static linear load	31 kg/cm (173,6 lb/in)
Tire ballast (per tire)	360 kg (794 lbs)

WEIGHT – Padfoot drum	
Operating weight	12 560 kg (27 690 lbs)
Front Axle Load	7 740 kg (17 064 lbs)
Rear Axle Load	4 820 kg (10 626 lbs)
Tire ballast (per tire)	360 kg (794 lbs)

### TRAVEL

Hydraulic circuit type	Closed
Travel Pump	Variable Axial Piston Displacement
Charge Pressure setting	22 bar (320 psi)
Main relief valve setting	420 bar (6 090 psi)
Travel Motor	Dual displacement, bent axis, axial piston
Drum Drive Motor	Fixed displacement, Radial piston motor
Working Speed	3.4 mph (5.5 km/h)
Travel Speed	7.15 mph (11.5 km/h)
Gradeability	36%

### VIBRATION

Hydraulic circuit type	Closed
Pump Type	Bidirectional Axial Piston Pump
Motor Type	Axial Piston Motor
Vibration	Eccentric Shaft
Smooth Drum	
Mode 1:	
Frequency	2040 RPM (34 Hz)
Amplitude	0.8 mm (.032 in)
Centrifugal force	145 kN (32,686 lbs)
Mode 2:	
Frequency	1860 RPM (31 Hz)
Amplitude	1.8 mm (.071 in)
Centrifugal force	263 kN (59,117 lbs)
Padfoot Drum	
Frequency	1860 RPM (31 Hz)
Amplitude	1.3 mm (.051 in)
Centrifugal force	263 kN (59,117 lbs)

### CAPACITIES

Fuel tank	235 l (62 gal)
Engine oil	8,4 l (8,9 qt)
Engine coolant	15 l (15,9 qt)
Hydraulic reservoir	70 l (74 qt)
Transmission axle	17,1 l (18 qt)
Vibration system	23,5 l (24,8 qt)

### OPERATOR STATION

Cabin equipped with Heavy Duty ROPS structure mounted on chassis with anti-vibration mounts, side mirrors, seat with arm rest and seat belt. Exceptional visibility.

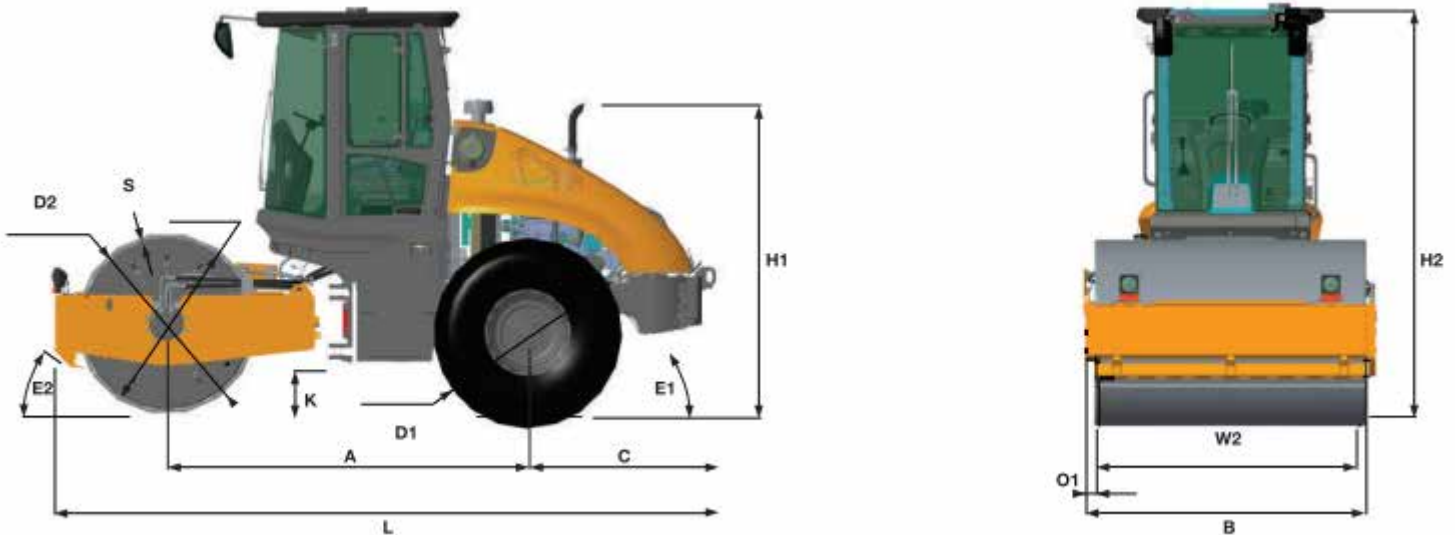
### STANDARD EQUIPMENT

23.1-26 8PR Tire  
ROPS protection  
Horn  
Front and rear working lights  
90° rotating operator seat  
HVAC Cabin  
Tilting engine hood  
Instrument cluster  
Radio Predisposition  
Battery Disconnect Switch  
Pad Drum  
Roller Frame W/ Rear Scrapping Mounting

### OPTIONAL EQUIPMENT

Cold Start  
Cab Fan  
Rotating Beacon

## DIMENSIONS



<b>A.</b> Wheelbase	9.85 ft (3003 mm)
<b>B.</b> Overall Width of the Machine	7.62 ft (2324 mm)
<b>C.</b> Rear Overhang	5.12 ft (1560 mm)
<b>D1.</b> Diameter of Rear Tire	5.12 ft (1560 mm)
<b>D2.</b> Diameter of Drum	4.92 ft (1500 mm)
<b>H1.</b> Height of Silencer from Ground Level	8.40 ft (2561 mm)
<b>H2.</b> Overall Height of the Machine	11.12 ft (3389 mm)
<b>K.</b> Ground Clearance	1.25 ft (382 mm)
<b>L.</b> Overall Length of the Machine	18.07 ft (5508 mm)
<b>O1.</b> Side Overhang	3.4 in (87 mm)
<b>S.</b> Drum shell Thickness	1.25 in (32 mm)
<b>W2.</b> Overall width of the Drum	7.05 ft (2150 mm)
<b>E1.</b> Rear departure Angle	36°
<b>E2.</b> Front Departure Angle	32°



**SiteWatch™** Fleet management and monitoring system by satellite or cell phone tracking.

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