

VIBRATORY ROLLER

CASE

CONSTRUCTION

SINCE 1842.

1107EX

ENGINE

Manufacturer	CNH/FPT with Tier III certification
Model	S8000
Type	Turbocharged with aftercooler
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	2040 RPM (34 Hz)
Amplitude	0.6 mm (.024 in)
Centrifugal force	221 kN (49,750 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/FOPS structure mounted on chassis with anti-vibration mounts, side mirrors, seat with arm rest and seat belt. Exceptional visibility.

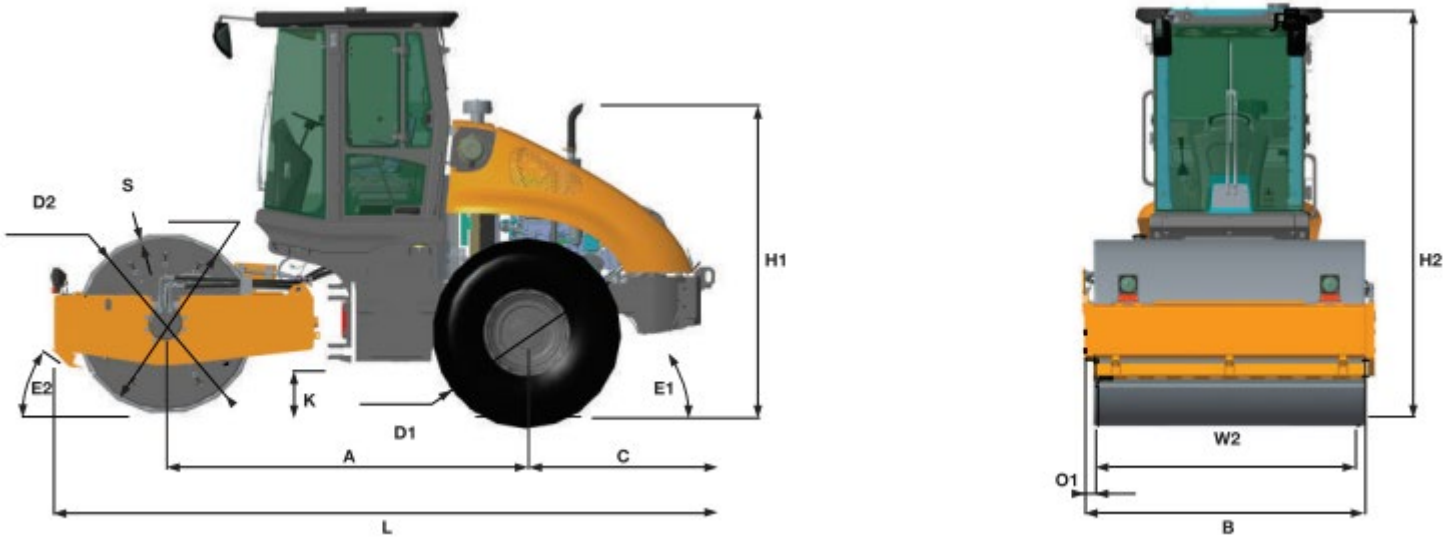
STANDARD EQUIPMENT

23.1-26 8PR Tire - Diamond Bias
ROPS/FOPS 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
Lifting points

OPTIONAL EQUIPMENT

Cold Start
Cab Fan
Rotating Beacon

DIMENSIONS



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



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

CASE Corporation reserves the right to make design improvements or feature changes at any time without obligation to install them on previously sold units. Features, descriptions, and illustrative materials included in this document, accurately reflect known data until the date of publication, although they are subject to changes without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

CCEIO148 – 12/2022 – Printed in Brazil

CaseCE.com

CNI
INDUSTRIAL | CAPITAL

Garín Trade Office
ARGENTINA
Ávalos 2829 Edif. 1 Piso 4°,
Complejo Urbana
Vicente López (1605) Bs. As.,
Argentina. Phone +54 (11) 2034 1400

Manufacturing plants
BRAZIL
Contagem – Minas Gerais – Brazil
Av. General David Sarnoff, 2237
Inconfidentes – C. P. 32210-900
Phone +55 31 2104-3392

Sorocaba – São Paulo – Brazil
Av. Jerome Case, 1.801
Éden – CEP 18087-220
Phone +55 15 3334-1700