

VIBRATORY ROLLER

CASE

CONSTRUCTION

SINCE 1842.

1110FX

ENGINE

Manufacturer	FPT with Tier IV Final certification
Model	F5C
Displacement	3.4L
Gross horsepower (ISO 14396) @ 2200 rpm	110 hp (82 kW)
Net horsepower (ISO 14396) @ 2200 rpm	105 hp (78.4 kW)
Max Torque (ISO 14396) @ 1500 rpm	474 Nm

ELECTRICAL SYSTEM

Voltage	12 V
Batteries	1 - 130 AH
Alternator	160 A

STEERING

Gear pump	1
Cylinders	2
Angle (left/right)	37°
Oscillation angle	15°
Outside turning radius	5,9 m (19,36 pies)
Inside turning radius	3,42 m (134,65 pulg)

WEIGHT

WEIGHT – Smooth drum	
Operating weight	11890 kg (26213 lbs)
Front Axle Load	6640 kg (14639 lbs)
Rear Axle Load	5250 kg (11574 lbs)
Static linear load	31 kg/cm (173,6 lb/in)
Tire ballast (per tire)	360 kg (794 lbs)

WEIGHT – Padfoot drum	
Operating weight	13220 kg (29145 lbs)
Front Axle Load	7910 kg (17439 lbs)
Rear Axle Load	5310 kg (11706 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, 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	145 kN (32,686 lbs)

CAPACITIES

Fuel tank	235 l (62 gal)
Engine oil	9,1 l (9,6 qt)
Engine coolant	19 l (20 qt)
Hydraulic reservoir	70 l (74 qt)
Transmission axle	17,1 l (18 qt)
Vibration system	23,5 l (24,8 qt)
DEF Fluid	16 l (17 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. Noise level inside the cabin (ISO 6394) 84 dB(A).

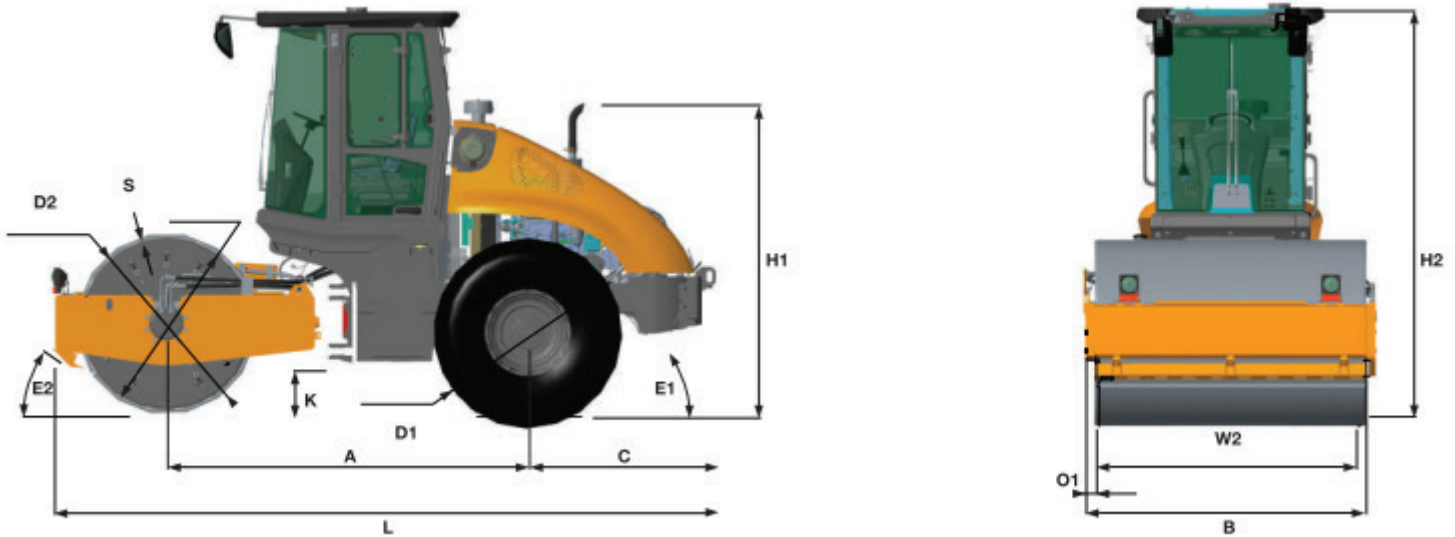
STANDARD EQUIPMENT

23.1-26 8PR Tire - Diamond
ROPS protection
Horn
Front (2) and rear (2) halogen working lights
90° rotating operator seat
HVAC Cabin
Tilting engine hood
Instrument cluster
Radio Predisposition
Battery Disconnect Switch
Smooth drum with scrapping

OPTIONAL EQUIPMENT

Cold Start package
Cab Fan
Rotating Beacon
1 pulg (25mm) drum shell
Pad foot kit with scrapping

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.

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