



CASE
CONSTRUCTION

FX SERIES VIBRATORY SOIL COMPACTOR



*The product images shown are for illustration purposes only and may not be an exact representation of the product.

1107FX | 1107FX-D | 1107FX-PD



UP TO **10%**
HIGHER FUEL EFFICIENCY

MAIN REASONS TO CHOOSE 1107FX SERIES



CEV IV ENGINE AND HIGH EFFICIENCY

- FPT electronic engine for precisely controlled fuel injection and optimum power & torque delivery, better drivability & improved fuel efficiency **NEW**
- Auto idle feature for up to ~3% improved fuel efficiency **NEW**



UNMATCHED VERSATILITY

- 2 vibration Stages provided by a variable displacement control, for effective & versatile compaction
- Perfect match of frequency, amplitude & hence centrifugal forces - giving industry leading compaction forces
- Best-in-class maneuverability: 15° drum oscillating and 37° steering angle resulting in shorter turning radius
- Standard front & rear work lamps for day-night visibility



COMFORTABLE AND SAFE OPERATION STATION

- 6-way adjustable rotating seat along with attached FNR lever with vibration cutoff switch
- Wide steps and robust grab handles
- New rear-end exhaust & sloping reinforced engine hood **NEW**
- High operator platform & two side mirrors for 360° view & better heat insulation
- Operator station mounted on AVM pads
- Accessible battery cutoff switch from the seat **NEW**



EASY AND LOW COST MAINTENANCE

- New & reinforced Hook lock **NEW**
- Easy service access from ground level of engine, hydraulic & electrical components
- Ground filling of diesel, hydraulic oil & DEF (urea) tanks **NEW**
- Diagnostic OBD port below front console **NEW**
- Automatic error codes generation & on-cluster display **NEW**
- Easily accessible after Treatment (Urea spray box) at the rear end **NEW**
- New Radiator to improve engine durability **NEW**
- Self stretching fan belt for uninterrupted life **NEW**
- Coolant box inside the engine hood **NEW**



GENERATIONS LONG RELIABILITY

- Proven 4- point articulation joint for most severe applications
- Renowned world -class components from brands like FPT, Poclair, Danfoss & Bosch
- Foldable & removable canopy for ease of transportation
- 25 mm thick drumshell provides excellent compaction
- Dual Scraper Bar (optional) for smooth working in muddy operations
- Heavy duty support frame & crossbar for structural rigidity



ADVANCED SAFETY FEATURES

- Audio visual warning alert system **NEW**
- Engine protection shutdown **NEW**
- Radiator & engine fan safety grill **NEW**
- Neutral safety switch
- Secondary brake switch on cluster **NEW**
- Antitheft with large capacity fuel tank within hood



FIRST RATE FLEXIBILITY

- 1107 FX with standard rear drive
- 1107 FX-D with drum drive for better traction on high gradients and landfills like dams
- 1107 FX-PD with clamp-on pad & drum drive (factory fitted) for cohesive materials like silt & clay for waste management application etc.



HIGH COMPACTION PARAMETERS

- The New FX series with high static linear load 26.0 kg/cm, centrifugal force of 263 kN, an optimized amplitude of 2.0 mm/0.9mm & frequency of 31/34 Hz
- Matches with the natural frequency of a variety of soil conditions giving maximum compaction levels

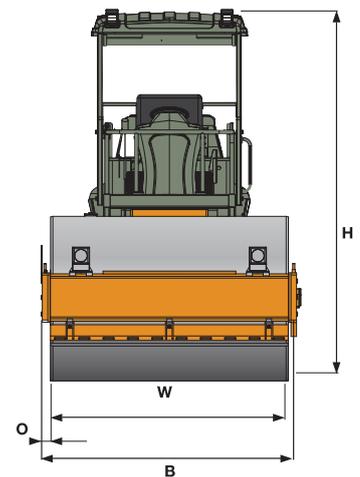
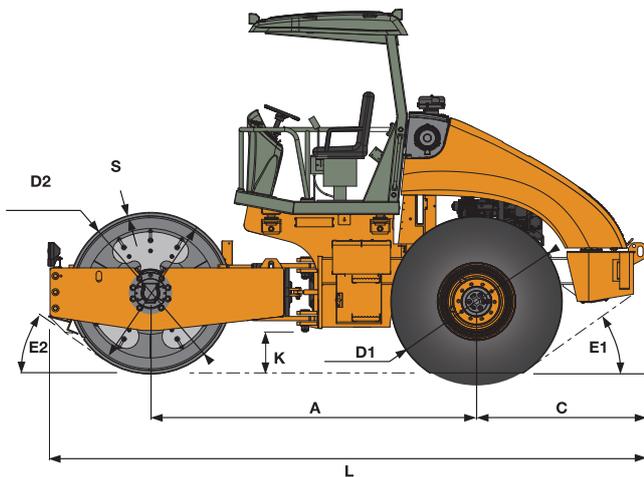


NEW GENERATION CLUSTER

- New glare free cluster
- Electric rotary RPM knob for effort-free & accurate operation **NEW**
- 12 Volt Power socket for mobile charging & other accessories **NEW**
- Digital diagnostic screen with in- menu controls **NEW**
- Emergency stop switch on front cluster **NEW**

ENGINE	
Engine Brand	FPT
Engine Model	F5C
Cylinders	4
Displacement (L)	3.4
Air Intake	Turbocharged with External Cooled EGR
Fuel Injection	Electronic, Common Rail Direct Injection
Emission level	Tier 4B / India CEV Stage-IV
Max Gross Power (kW/hp) @2200rpm (ISO 14396)	74.5 / 100
Max Gross Torque (Nm) @1500rpm (ISO 14396)	468
VIBRATION SYSTEM	
Type	Variable displacement bi-directional axial piston pump with electrical displacement control
Drive to Vibration Pump	Mechanical
Engine to Pump Ratio	Direct Drive 1:1
Vibration Motor	Fixed displacement mounted on drum
STEERING	
Steering Type	Articulated Hydrostatic Steering
Steering Angle	37° on either side
Turning Circle Diameter (m)	11
Drum Oscillation Angle	±15°
ELECTRICAL SYSTEM	
Battery	12 volts, 130 Ah
TYRES	
Tyre Size	23.1-26 8PR
SERVICE CAPACITIES	
Fuel Tank (L)	235
Hydraulic Tank (L)	70
Engine Crank Case (L)	9.1
Coolant (L)	19
Adblue (AUS 32) tank (L)	21.5

PROPULSION					
Type	Infinitely variable hydrostatic drive with variable displacement pump				
MACHINE SPEED					
Working Speed	5.5 km/hr (1.53 m/sec)				
Travel Speed	11.5 km/hr (3.19 m/sec)				
Final Drive	High Torque Outboard Planetary				
GRADEABILITY					
Without Drum Drive (%)	31 (17°)				
With Drum Drive (%)	36 (20°)				
Intermittent (%)	40				
OPERATING DATA		1107 FX	1107 FX-D	1107 FX-PD	
Operating Weight (kg)	10460	10545	11950		
Front Axle Load (kg)	5580	5625	7080		
Rear Axle Load (kg)	4880	4920	4870		
Static Linear Load Front (kg/cm)	26.0	26.2	-		
VIBRATION SYSTEM		1107 FX	1107 FX-D	1107 FX-PD	
Vibration Stages	1 st	2 nd	1 st	2 nd	1 st
Frequency (Hz)	31	34	31	34	31
Amplitude (mm)	2.0	0.9	2.0	0.9	1.4
Centrifugal Forces (kN)	263.0	145.4	263.0	145.4	263.0
Max Applied Force (kN)	318	200	318	201	332
DIMENSIONS					
A - Horizontal Distance From Drum Center to Tyre Center (m)					3.003
B - Overall Width of Machine (m)					2.32
C - Rear Overhang (m)					1.56
D1 - Diameter of Rear Tyres (m)					1.56
D2 - Diameter of Drum (m)					1.5
H - Overall Height of Machine (m)					3.37
K - Ground Clearance (m)					0.38
L - Overall Length of Machine (m)					5.51
O - Side Overhang (m)					0.087
S - Drum Shell Thickness					25 mm (0.025 m)
W - Overall Width of Drum (m)					2.15
E1 - Rear Departure Angle (degree)					36
E2 - Front Departure Angle (degree)					32



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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your CASE dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

DISCLAIMER: ±2.5% variation on parameters may occur and is acceptable by the industry norms.