



MACHINE DIMENSIONS

A	Horizontal distance from drum center to tyre center	3003
B	Overall width of the machine	2324
C	Rear Overhang	1562
D1	Diameter of the rear tyres	1528
D2	Diameter of the drum	1500
H1	Height of silencer from ground level	2590
H2	Overall height of the machine (in transport)	3373
K	Ground clearance	382
L	Overall length of the machine	5508
O1	Side Overhang	87
S	Drum shell thickness	32
W2	Overall width of the drum	2150
E1	Rear Departure angle	36
E2	Front Departure angle	35

*All dimensions are in millimeters

OPTIONAL EQUIPMENT

- Differential lock
- Heavy duty battery
- Cold start kit
- Side work-lamps

For further information, contact:



CASE NEW HOLLAND CONSTRUCTION EQUIPMENT (INDIA) PRIVATE LIMITED
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Case Construction Equipment is a division of CNH Global N.V., a global leader in the agricultural and construction equipment businesses, which is part of Fiat Industrial. Specifications subject to change without notice due to product upgradation.

Authorised Dealer

1107 DX - 0714

CASE
CONSTRUCTION

CASE 1107^{DX}
VIBRATORY SOIL COMPACTOR

NEW



Highest compaction. Lowest operating cost.

CASE
CONSTRUCTION



ENGINE

Make	Kirloskar Oil Engines Limited
Model	4 R 1040 TA - BSIII
Type	4 Stoke Turbocharged Aftercooled
Cylinder	4
Bore/stroke	105 X 120
Displacement	4160 cc
Fuel Injection	Direct
Fuel	High Speed Diesel
Fuel Filter	Spin-on Type
Air Intake	Turbocharged with internal EGR
Air Filter	Dry Type With Dual Element
Engine Oil Filter	Spin-on Type
Cooling	Liquid
Engine Speeds (No load)	
Low:	900 ±50
High:	2200
Horse Power (Gross)	
105 As per ISO3046@2200 RPM	
Torque	375 NM @1400 RPM



World Class Components

POWERTRAIN

Propulsion:	Infinitely variable hydrostatic drive with variable displacement pump
Drive pump	Mechanical
Engine to pump ratio	Direct Drive 1:1
Type	Variable displacement bi-directional axial piston pump with manual displacement control
Displacement	75 cc/Rev
Flow @ rated engine RPM	135L
Charge Pressure	27 Bar
Drive Motors	
Type	High speed low torque driving motor mounted on rear axle input shaft

For Drum Drive (Optional)
 Low speed high torque drive motor mounted on front drum frame along with rear axle motor

Hydraulic Oil Filter	Cartridge
Machine Speed:	
Working Speed	0-5.5 KMPH
Travel Speed	0-11.5 KMPH
Final Drive	High torque out board planetary
Gradeability	
Without drum drive	31% (17°)
With Drum Drive	36% (20°)
Intermittant	40%

SERVICE CAPACITIES

Fuel Tank	235 liters
Hydraulic Tank	70 liters
Engine Crank Case	9.5 liters
Engine Coolant	18 liters



90° Rotatable Operator Seat

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
Displacement	34.4 cc/rev
Charge Pressure	27 Bar
Vibration Motor	Fixed displacement mounted on drum
Axle	
Heavy duty with integrated parking brake mechanism and out board planetary	
Parking Brake	
Spring applied hydraulically released	
Engagement	
Operate on/off parking brake switch on instrument panel, engine stop	



Easy Serviceability



Isolated Operator's Platform

OPERATING DATA

	1107 DX	1107 DX-D	1107 DX-PD
Operating Weight w/o Operator (kgs)	11300	11350	12300 (segmental kit)
Front Axle Load (kgs)	6450	6500	7700
Rear Axle Load (kgs)	4850	4850	4600
Static Linear Load Front (kgs/cm)	30	30	(-)

VIBRATION SYSTEM

	1107 DX	1107 DX-D	1107 DX-PD
Vibration Stage	1	2	1
Frequency (hz)	31	34	31
Amplitude (mm)	1.8	0.8	1.8
Centrifugal Force (kgs)	27965	16186	27965
Max. Applied Force (kgs)	34415	22636	34415
No. of Pads	(-)	(-)	144
Total pad contact area (cm ²)			413

STEERING

Steering System	articulated hydrostatic steering
Steering Angle	37° on either side (74° between stop to stop)
Turning Radius (inner radius)	3.65 m
Drum Oscillation Angle	15°
Tyre Size	23.1/18-26 12 PR Tubeless

ELECTRICAL SYSTEM

Alternator Output	65 A
Battery	12 Volts 135 Ah

INSTRUMENTATION

- Indicators
 - Neutral
 - 2-speed
 - Battery Charging
 - Lube Oil Pressure
 - Parking Brake
- Gauges
 - Lube Oil Pressure
 - Digital Hour Meter
 - Water Temp
 - Fuel Level
 - Battery Voltage
 - Engine RPM
- Warning Lights
 - Coolant Overheat
 - Hydraulic Oil Filter Clog
 - Air Filter Clog Indicator On Console



Heavy Duty Frame with 32mm Drum Shell



Turbo Pre Filter



Drum Drive Option

STANDARD EQUIPMENT

- Sun roof
- Horn
- Front and rear working lights
- 90° rotating operator seat
- Guard rail structure on operator's platform
- Tilting engine hood
- Vandal guard, ip67
- Weather proof rocker switches
- Instrument cluster
- Glove box for operator
- Easy split design of canopy legs for transportation
- 32 mm Drum Shell Thickness

WARNING ALARMS

- Coolant over heat
- Low Lube oil pressure
- Hydraulic Oil filter clog



Excellent Rear Visibility