

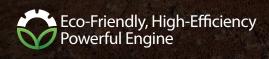




1107/WCEVS

**VIBRATORY COMPACTOR** 











## **MAIN REASONS**

# KEY ADVANTAGES OF THE 1107NX SERIES



#### SUPERIOR ENGINE PERFORMANCE

- Electronic fuel management system enables precise injection control, delivering optimal power output, enhanced handling and reduced fuel consumption
- Smart idling technology cuts fuel usage by approximately 3%





#### **PROVEN DURABILITY**

- Battle-tested 4-way joint system built for extreme conditions
- Premium components sourced from industry leaders: Carraro, Poclain, Danfoss and Bosch
- Modular hood design enables easy transport
- Superior drum thickness options: 25mm (standard) or 32mm (upgrade) for maximum compression
- Optional twin scraper configuration for wet terrain operation
- · Reinforced chassis design ensures structural strength

#### SUPERIOR FUNCTIONALITY

- Dual-mode vibration system with adjustable displacement for diverse compaction needs
- Engineered harmony between speed, movement range and force output delivers industry-leading compaction
- Superior control: ±15° oscillation and ±37° steering capability creates a tight 3.42m turning circle
- Built-in lighting system for round-the-clock operation
- ROPS and FOPS canopy to increase safety



#### **ENHANCED SECURITY MEASURES**

- Integrated warning system with sound and light signals
- Automatic engine shutdown protection
- · Protected cooling system and fan assembly
- Start prevention in gear
- · Secondary brake control on dashboard
- Integrated fuel storage with theft protection



#### ADAPTABLE CONFIGURATIONS

- Standard 1107NX with rear wheel drive
- 1107 NX-D featuring drum drive for steep inclines and earthwork projects
- 1107 NX-PD incorporating attachable pads and drum drive (factory-installed) for tackling clay, silt, and waste management tasks







## **ERGONOMIC OPERATOR ENVIRONMENT**

- Multi-adjustable swivel seat that includes integrated direction control and vibration shutoff
- Enhanced access points with secure handrails
- Redesigned exhaust placement and streamlined engine covering
- Elevated control station with dual mirrors enables complete visibility and thermal protection
- Vibration-dampened operator platform
- Easy-reach power disconnect



#### **MODERNIZED CONTROL INTERFACE**

- Anti-glare display system
- Integrated 12V power outlet
- Interactive diagnostic display with menu navigation
- Emergency shutdown on the main panel



## SIMPLIFIED UPKEEP AND **REDUCED MAINTENANCE COSTS**

- Enhanced locking mechanism
- Ground-level access to core systems
- Floor-height filling points for fuel, hydraulics, and





#### INTELLIGENT CONNECTIVITY

- Built-in my CASE Construction Telematics monitoring system
- Pioneer in compactor telematics integration
- Resource optimization through fleet tracking
- Enhanced security with location monitoring
- Predictive maintenance reduces downtime
- Analytics-driven operations boost efficiency

ENGINE				
Engine Brand	AL			
Engine Model	H40510122			
Cylinders	4			
Displacement (L)	3.83			
Air Intake	Turbocharged intercooled			
Fuel Injection	Direct Injection, HPCR			
Emission Level	CEV Emission Stage-V			
Max Gross Power (kW/ hp) @2200rpm (ISO 14396)	74 / 101			
Max Gross Torque (Nm) @1400-1500rpm (ISO 14396)	450			
VIBRATION SYSTEM				
Туре	Variable Displacement Bi-directional Axial PistonPump with Electrical Displacement Control			
Drive to Vibration Pump	Mechanical Connection			
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 Radius (inner/outer) (m)	3.42 / 5.83			
Drum Oscillation Angle	±15°			
ELECTRICAL SYSTEM				
Battery	12 volts, 130 Ah			
TYRES				
Tyre Size	23.1-26 8PR			
SERVICE CAPACITIES				
Fuel Tank (L)	275			
Hydraulic Tank (L)	70			
Engine Crank Case (L)	12			
Coolant (L)	17.5			
Adblue/ DEF tank (L)	24			
Adblue/ DEF tank (L) PROPULSION	24			

MACHINE SPEED									
Working Speed				5.5 km/hr					
Travel Speed				11.5 km/hr					
Final Drive				High Torque Outboard Planetary					
GRADEABILITY									
Without Drum Drive (%)					31 (17°)				
With Drum Drive (%)				36 (20°)					
Intermittent (%)				40 (22°)					
OPERATING DATA		1107NX / NX PLUS	110 / NX		7NX-D -D PLUS		1107NX-PD / NX-PD PLUS		
Operating Weight (kg)		11100 / 115	50 1121		0 / 11630		12250 / 12940		
Front Axle Load (kg)		5850 / 625	)	5910	0 / 6310		7180 / 7620		
Rear Axle Load (kg)		5250 / 530	)	5300	0 / 5320		5370 / 5320		
Static Linear Load Front (kg/cm)		27.2 / 29.1			5 / 29.3		-		
VIBRATION SYSTEM	11 N	07NX / K PLUS		1107 / NX-D	NX-D PLUS		1107NX-PD / NX-PD PLUS		
Vibration Stages	1st	2nd		1st	2nd		1st		
Frequency (Hz)	31	34		31 34			31		
Amplitude (mm)	2.0 / 1.8	3 0.9 / 0.8	2.	2.0 / 1.8   0.9 / (		.8	1.4/1.3		
Centrifugal Forces (kN)	263	145		263	145		263		
Max Applied Force (kN)	321 / 32	5 203/207	32	1/325	203/2	07	333 / 338		
DIMENSIONS									
A - Horizontal Distance From Drum Center to Tyre Center (m)							3.003		
B - Overall Width of Machine (m)							2.324		
C - Rear Overhang (m)							1.562		
D1 - Diameter of Rear Tyres (m)							1.380		
D2 - Diameter of Drum (m)							1.5		
H - Overall Height of Machine - without / with Transport condition (m)							3.239 / 2.915		
K - Ground Clearance (m)							0.382		
L - Overall Length of Machine (m)							5.508		
O - Side Overhang (m)							0.087		
S - Drum Shell Thickness						STD - 25 mm, PLUS - 32 mm			
W - Overall Width of Drum (m)							2.150		
E1 - Rear Departure Angle (degree)							36		
E2 - Front Departure Angle (degree)							35		

#### STANDARD EQUIPMENT

Tiltable Canopy & Sunroof, Auto Idle Feature, 2 Frequency / 2 Amplitude, 2 Front / 2 Rear Working Lights, 2 Side View Mirrors, HSRP Plate, Vibration Cutoff on FNR Lever, Horn, Operator Manual, 1 Steering Wheel

#### OPTIONAL EQUIPMENT

2 Side Work Lamps, Additional Rear Scrapper for Drum

ROPS- Rollover Protection Structure FOPS - Falling Object Protection Structure ROPS FOPS - Certified by Government Agency

\*T&C apply

#### CIN: U29240DL1998PTC344616 CASE NEW HOLLAND CONSTRUCTION EQUIPMENT (INDIA) PRIVATE LIMITED

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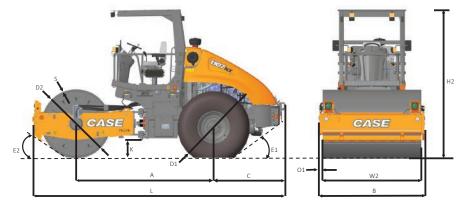
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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your CASE dealer. Furthermore, CNH Industrial reserves the 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.





<sup>\*</sup>Consider operator weight ballasting and total weight of machine.