



**CASE**  
CONSTRUCTION

# TANDEM VIBRATORY COMPACTOR 450DX



# MAIN REASONS TO CHOOSE 450DX



## WATER SPRINKLER SYSTEM

Single pump operation for front and rear drum sprinkler



## EASY MAINTENANCE

Easy accessibility to all components for quick and effortless maintenance



## WELL VENTILATED ENGINE

Well ventilated engine compartment



## EFFECTIVE COMPACTION IN NARROW SPACES

- High curb clearance for effective operation alongside culverts
- Equal distribution of weight for even compaction
- Class leading drum width (1250 mm) gives higher productivity



## NEW GENERATION CLUSTER

- New generation cluster with easy accessibility, functionality & visibility
- Rugged electrical connection
- 12 V power socket - operator can use variety of electrical accessories



## WEATHER PROTECTION CANOPY

Large sunroof for protection of the operator from sun and rain



## ANTI-VIBRATION MOUNTS

Large anti-vibration mounts for effective isolation and long life



## HIGH GROUND CLEARANCE

High ground clearance for working on uneven surface

## ADVANCED SAFETY FEATURES

- Secondary braking system
- Fan guard
- Reverse alarm with cover
- Large footstep for easy entry and exit



# SPECIFICATIONS

## ENGINE

Engine Make		Mahindra & Mahindra
Engine Model		MDI - 2500
Max. Gross Power @2300 rpm (ISO 14396)	kW/hp	33.6 / 45
Cylinders		4
Displacement	L	2.523
Max. Torque @1400 rpm (ISO 14396)	Nm	159
Type of Cooling		Water

## POWERTRAIN

Max Travel Speed	km/hr	12
Max Working Speed	km/hr	12
Max Gradeability with/without Vibration	%	25 / 30

## STEERING

Steering		Hydrostatic (Center Point Articulation)
Steering Angle	°	±33
Turning radius	m	3.0
Oscillation angle (degree)	°	±10

## BRAKES

Service Brakes		Hydrostatic
Parking Brakes		Spring applied, hydraulically released on rear drum

## SERVICE CAPACITIES

Water Tank Capacity	L	110
Fuel Tank Capacity	L	45
Hydraulic Tank Capacity	L	45
Water spray nozzles		6 nozzles per drum
Water tank material		Plastic

## VIBRATION SYSTEM

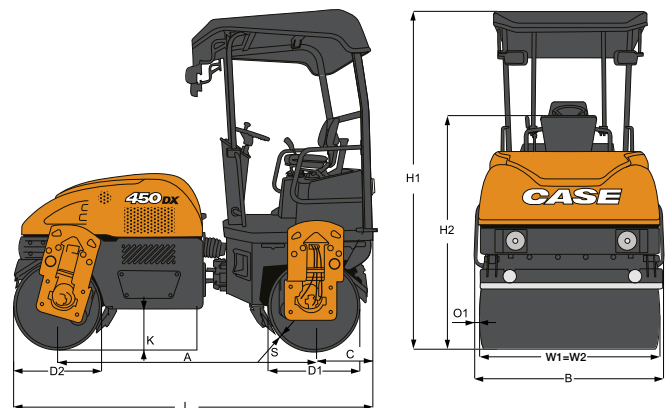
Vibration stages		Two
Frequency High	Hz	65
Frequency Low	Hz	55
Amplitude	mm	0.6
Centrifugal Force (High) - per drum	kgf/kN	4360 / 42.76
Centrifugal Force (Low) - per drum	kgf/kN	3120 / 30.66
Maximum Applied Force - per drum	kgf/kN	6035 / 59.18

## OPERATING DATA

Operating weight	kg	3225
Front Axle Load	kg	1550
Rear Axle Load	kg	1675
Static Linear Load - Front	kg/cm	13.4

## ENGINE

A - Wheelbase	m	2.123
B - Overall Width	m	1.360
C - Rear overhang - Drum Centre to frame edge	m	0.495
D1=D2 - Drum Diameter - Front/ Rear	m	0.725
H1 - Total Machine Height	m	2.680
H2 - Height to top of seat / Steering wheel	m	1.775
K - Ground Clearance	m	0.290
L - Total Length	m	2.990
O1 - Side Overhang - Drum edge to frame	mm	70 mm
S - Drum Thickness	mm	12
W1=W2 - Drum Width - Front / Rear	m	1.250



## STANDARD EQUIPMENT

12V power socket, 2 frequency, both drum or single drum vibration, sunroof, horn, front & rear working lights, hazard lights & parking lights, pressurized water sprinkler system, 2 scraper per drum, travel & vibration circuit filter - tank mounted type.

## SAFETY FEATURES

New secondary braking system, new reverse alarm with cover, MCB protection, automatic parking braking incase of engine shutdown or no vibration in neutral, new radiator fan guard.

## INSTRUMENTATION

Fuel level indicators, hydraulic oil level indicator, front & rear light switch, new digital hour meter, drum & frequency selection switch, engine coolant temperature gauge, engine oil pressure gauge, ignition switch, neutral indicator, battery charging indicator, engine oil pressure indicator, parking brake indicator, turn & hazard indicator, filter clogging indicator.



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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.

Conforms to directive 2006/42/EC

