

**TANDEM VIBRATORY COMPACTOR**  
**450DX**

**CASE**  
CONSTRUCTION



**WE MAKE MACHINES**  
**THAT BUILD THE NATION**

[www.casece.com](http://www.casece.com)  
**EXPERTS FOR THE REAL WORLD**  
**SINCE 1842**

# FEATURES OF THE "SMALL WONDERS"

## SUNROOF

Large sunroof for protection of the operator from sun and rain.

## COMPACT DESIGN

Equal distribution of weight for even compaction.  
Even distribution of load during transportation.

## COMPACTION & SERVICE ROADS

- High kerb clearance for effective operation alongside culverts
- Ideally suited for shoulder compaction & service roads.

## GROUND CLEARANCE

High ground clearance for working on uneven surfaces.



**WORLD CLASS  
HYDRAULIC  
COMPONENTS.**



**EASY ACCESS**

Easy accessibility to all components for quick and effortless maintenance.

# TANDEM VIBRATORY COMPACTOR 450DX



## CONTROLS

Simple and functional control panel.  
Rugged electrical connections.



## VENTILATED ENGINE

Well ventilated engine compartment.

## WATER SPRINKLER SYSTEM

Pressurised water sprinkler system  
for use on asphalt single pump operation.

## ANTIVIBRATION MOUNTS

Large antivibration mounts for effective  
isolation and long life.



**ARTICULATION  
LOCK FOR  
TRANSPORTATION.**



**HIGH  
STEERING  
ANGLE**

## SPECIFICATIONS

### ENGINE

Engine \_\_\_\_\_ 45HP @ 2300 RPM as per BS-III  
 Make \_\_\_\_\_ Mahindra & Mahindra Industrial  
 Maximum Gross Torque \_\_\_\_\_ 159 NM @1400 RPM  
 Cooling \_\_\_\_\_ Water

### POWER TRAIN

Working Speed (Kmph) \_\_\_\_\_ 0-12  
 Travel Speed (Kmph) \_\_\_\_\_ 0-12  
 Gradeability with/without vibration (%) \_\_\_\_\_ 25/30

### STEERING

Steering \_\_\_\_\_ Hydrostatic (Center Point Articulation)  
 Steering Angle (either side) Deg \_\_\_\_\_ 33  
 Turning Radius (M) \_\_\_\_\_ 3  
 Oscillation Angle - (Degree) each side \_\_\_\_\_ 10

### BRAKES

Service Brake \_\_\_\_\_ Hydrostatic  
 Parking Brake \_\_\_\_\_ Spring applied, hydraulically released on rear drum

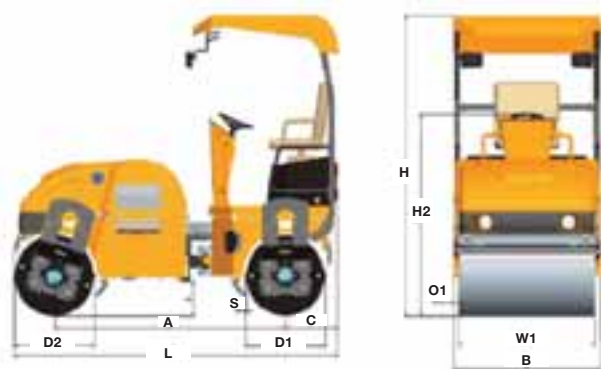
### SERVICE CAPACITIES

Hydraulic Oil Filter \_\_\_\_\_ Travel & Vibration Circuit Filter - Tank mounted Type  
 Sprinkler System \_\_\_\_\_ Pressurized  
 Water Pump \_\_\_\_\_ Electric Diaphragm  
 Nozzles \_\_\_\_\_ 6 Nozzles per drum  
 Water Tank Capacity \_\_\_\_\_ 110 liters  
 Diesel Tank Capacity \_\_\_\_\_ 45 liters  
 Hydraulic Tank Capacity \_\_\_\_\_ 45 liters  
 Drum Scrapper \_\_\_\_\_ 2 Scrapper per Drum

Note: All parameters are within +2,5% of the specified values.  
 Specifications are subject to change without notice.

## DIMENSIONS

<b>A</b>	<b>2123</b>	<b>H1</b>	<b>2680</b>	<b>O1</b>	<b>70</b>
<b>B</b>	<b>1360</b>	<b>H2</b>	<b>1775</b>	<b>S</b>	<b>12</b>
<b>C</b>	<b>495</b>	<b>K</b>	<b>290</b>	<b>W1=W2</b>	<b>1250</b>
<b>D1=D2</b>	<b>725</b>	<b>L</b>	<b>2990</b>		



## INSTRUMENTATION

### CONTROLS

- Fuel level Indicators
- Hydraulic Oil Level Indicator
- Front & rear light switch
- Vibration cut off switch
- Hour meter
- Drum & Frequency selection switch
- Engine water temperature gauge
- Engine lub oil pressure gauge
- Ignition switch

### INDICATORS

- Neutral
- Battery Charging
- Lube Oil Pressure
- Parking Brake
- Tum & Hazard indicator
- Filter clogging

### SAFETY FEATURES

- MCB Protection
- Automatically applied parking brake in case of engine shutdown & no vibration in neutral

### VIBRATION SYSTEM

<b>Vibration Stage</b>	<b>2</b>
<b>Frequency High - HF (Hz)</b>	<b>65</b>
<b>Frequency Low - LF (Hz)</b>	<b>55</b>
<b>Amplitude (mm)</b>	<b>0.6</b>
<b>Centrifugal Force (Kgf) HF per Drum</b>	<b>4360</b>
<b>Centrifugal Force (Kgf) LF per Drum</b>	<b>3120</b>
<b>Maximum applied Force (Kgf) per Drum</b>	<b>6035</b>

### OPERATING DATA

<b>Operating Weight (kgs)</b>	<b>3225</b>
<b>Front Axle Load (kgs)</b>	<b>1550</b>
<b>Rear Axle Load (kgs)</b>	<b>1675</b>
<b>Static Linear Load Front (kgs/cm)</b>	<b>13,4</b>

## STANDARD EQUIPMENT

- 2 Frequency
- Both drums or drum Vibration
- Sun roof
- Hom
- Front and rear working lights
- Turn Indicator
- Hazard Lights & Parking Lights

### CASE NEW HOLLAND CONSTRUCTION EQUIPMENT (INDIA) PRIVATE LIMITED

**B1-207, 2nd Floor, Boomerang, Chandivali Farm Road**  
**Near Chandivali Studio, Andheri (East)**  
**Mumbai - 400072, Maharashtra, India**  
**Email: caseindia@cnhind.com**

**NOTE:** CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. Please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

