

Weight

Operating weight	11 200 Kg
Axle load (front)	7 100 Kg
Axle load (rear)	4 100 Kg
Static linear load	33.25 Kg/cm

Dimensions

Drum diameter	1450mm
Drum width	2135mm
Drum shell thickness	25mm
Height with ROPS	2852mm
Overall width	2320mm
Wheel base	3113mm
Ground clearance	440mm
Turning radius (inside)	4726 mm
Overall length	5452mm

Compaction Highlights

Nominal amplitude (high)	1.95mm
Nominal amplitude (low)	0.6mm
Frequency	27.5Hz
Centrifugal force	21919 Kg (maximum)
.....	6697 Kg (minimum)

Drive

Engine make & model	Cummins, 4BT
No of cylinders	4
Cooling of cylider	water
Power	102 HP @ 2300 rpm
Drive system	hydrostatic
Dirve element	differential bridge in wheels
Tyres size	18.4 x 26
Speed	6.5-9 Km/h
Grade ability (Theoretical)	43%

Brakes

Service	hydrostatic
Parking & emergency	multidisc with negative drive at wheels & drum

Steering

Type	oscillating articulated frames
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Specifications

Operating Weight

- ☛ Total _____ 9500 Kg
- ☛ Front _____ 4700 Kg
- ☛ Rear _____ 4800 Kg
- ☛ Front static liner load _____ 28.48 Kg/cm
- ☛ Rear static liner load _____ 29.09 Kg/cm

Hydraulic System

Closed loop system for vibration and travel with two independent circuit for front and rear drums.

Steering

- ☛ Type _____ Hydrostatic Orbitrol type
- ☛ Pump _____ Gear Pump, 16 cc/rev
- ☛ Articulation angle _____ 30°
- ☛ Oscillation angle _____ 12°
- ☛ Turning Radius - Inner/Outer _____ 3338/4988 mm

Gradeability

Theoretical gradeability _____ 40%

Refill Capacities

- ☛ Diesel tank _____ 200 Lts
- ☛ Water tank _____ 300 Lts each
- ☛ Hydraulic tank _____ 200 Lts

Brake System

- ☛ **Service brake** _____ negative braking
- ☛ **Parking & emergency brake** _____ Switch operated multi-disc engaged by spring

High Eccentric moment

- ☛ Centrifugal force _____ 13956 Kg
- ☛ Frequency _____ 50 Hz
- ☛ High amplitude _____ 0.92 mm

Low Eccentric moment

- ☛ Centrifugal force _____ 1930 Kg
- ☛ Frequency _____ 33.33 Hz
- ☛ Low amplitude _____ 0.29 mm

Sprinkler system

Water is pumped by electric pump and sprayed through nozzles on sprinkler foams

Travel Speeds

Infinitely variable speed through a potentiometer control at every position

Slow	0 to 6.5 Km/hr
Medium	0 to 8.5 Km/hr
Fast	0 to 14 Km/hr

Safety Features

Powerful head lights, parking lights, warning lamps, auto reverse horn and beacon light provide safer operations

Optional Attachments

- ☛ ROPS Type cabin and pad foot drum attachment
- ☛ Hydraulic hand pump for brake release

Dimensional Details in mm

	Description	VTA 90
A	Drum Base	3187
B	Front Overhang	1000
C	Front Drum Center to Articulating Point	1280
J	Rear Drum Center to Articulating Point	1907
E	Rear Overhang	1000
L	Overall Length	5187
D	Drum Diameter	1200
K	Ground Clearance	370
F	Overall Width	1842
W	Drum Width	1650
G	Frame Edge to Drum Edge	96
I	Height to Exhaust	2947
H	Overall Height	3123

