VMT330 | MINI TANDEM ROLLER



Performance to the max

JCB

Mini Tandem Roller VMT330

JCB introduces a new world-class 3.3 ton Mini tandem roller VMT 330. This Mini tandem roller is designed keeping in view the ever increasing demand from the contractors. This type of a roller is best-suited for applications such as highway road shoulders, retaining the walls of flyovers, for the compaction of road shoulders, footpaths, trenches, service roads, industrial and residential columns, rural roads. This is a versatile roller as it can be used for both earth and asphalt compaction.





Best-in-class compaction parameters

- Unmatched leading operating weight of 3300 kgs and centrifugal force of 4588 kgs; leading to better compaction output.
- The high drum thickness of 13.5 mm also leads to better stability of drum during operations; providing it with a longer life.

Leading to more output in less number of passes.



Zero maintenance roller

- Maintenance-free, lifetime lubricated central joint.
- Auto dust removal system for air cleaner.
- Maintenance free, lifetime lubricated drum bearing and vibration system.

Resulting in lower maintenance cost of the machine.









Safety & Comfort

- Sunroof with a strong steel frame and an optional ROPS.
- Provision to lock the bonnet.
- Large steps on the chassis for easy access to the operator seat.
- Operator-friendly and ergonomically located controls.

VMT330 - Unmatched benefits



Higher curb clearance

- Highest curb clearance of 593 mm in the class; leading to better compaction till the last inch near a curb or a wall.

Better compaction effect till the end of the curb, resulting in better finish and durability of the compacted layers.



Better serviceability

- The bonnet can be opened easily at 90 degree angle, leading to easy access to the engine, hydraulics and the other critical components.
- The bonnet is provided with hydraulic shock absorbers, leading to safety and comfort during the servicing of the machine.



Better compaction on curves

- Due to superior design of drums on the curves, the compaction happens without leaving a mark. This is helpful in carrying out compaction on curved stretches.

Reduced number of passes on curved asphalt layers, leading to fuel saving.



Drum offset

- Either of the drum can be offset to get additional rolling width of 80 mm in total.

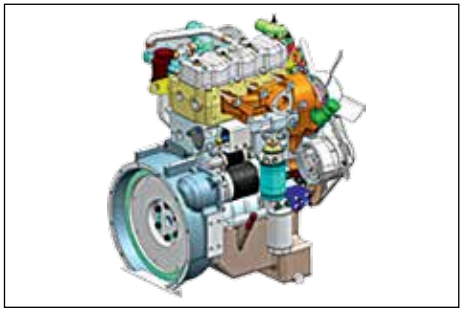
This leads to less number of passes in case of higher width, which in turn will lead to fuel saving and lower cost of operations.



Better drum visibility

- Better visibility of front drums due to unique tapered design of the front bonnet.

This leads to ease of use and no scratching of frames with curbs.



Engine

- Proven simpson engine
- More than 1.5 lac engines in India
- 3- cylinder water-cooled
- Robust & fuel efficient
- In-house JCB service support





STATIC DIMENSIONS

A	Wheelbase	2030 mm	F	Ground clearance	250 mm
B	Overall width	1353 mm	G	Curb clearance	593 mm
C	Drum diameter	700 mm	H	Total travel length	2824 mm
D	Height to top of seat	1730 mm	J	Drum thickness	13.5 mm
E	Height to top of roof	2563 mm	K	Drum width	1250 mm

ENGINE

Make		Simpson
Model		SJ327
Type		4-Stroke diesel, Liquid-cooled
Displacement	(cc)	2700
Performance	PS(kW)	45 (33.07)
Operating speed	RMP	2250 ± 50
Starting device		Electric motor
Air cleaner		Dry cartridge type
Fuel filters		Cartridge type

PROPULSION

Hydrostatic with variable displacement pump and fixed displacement motors with direct drive to both the drums.

EXCITER DRIVE

Electrically controlled hydrostatic direct drive on both the drums for vibration and only front drum vibration.

EXCITER

Single-piece circular exciter shaft with one amplitude and two frequency.

STEERING SYSTEM

Servo assisted, maintenance free articulation with oscillation facility.

SERVICE CAPACITIES

Fuel tank	litres	100
Water tank	litres	210
Hydraulic tank	litres	60

OPERATING DATA

Operating weight	Kg	3300
Maximum operating weight	Kg	3450
Operating linear load	Kg/cm	13.2
Exciter frequency	Hz	55/67
Nominal amplitude	mm	0.6
Centrifugal force (each drum)	KN	45
Total applied force	Kg	12626
Working speed	Km/Hrs	5
Drum offset right	mm	80
Steering lock angle	°	36
Oscillation angle	°	13
Inner turning radius	mm	2326
Gradeability with vibration upto	%	30

BRAKING SYSTEM

Service brake: Hydrostatic

Parking brake: Spring applied, hydraulically released

ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	80
Alternator	A	65

DRIVERS STAND/INSTRUMENTS

Isolated operator stand, sliding operator seat, ergonomic drive lever, storage for manuals and tools, fuse box well accessible on the side of steering column, dashboard with all functions, access and egress to driver stand from both sides with large steps and ergonomic handrails.

OPTIONS

Instrument panel cover

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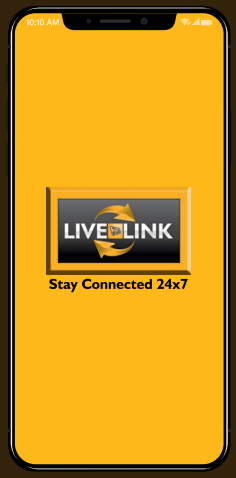
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