



# JCB | COMPACTION

Committed to providing specialist compaction equipment for your industry



# JCB Vibromax | Two great companies rolled into one



All the heritage and engineering excellence of Vibromax, combined with JCB's unrivalled network of dealerships, personnel and product support. That's what you get when two of the world's major forces unite. Vibromax has a global reputation for high performance compaction equipment. JCB is one of the biggest global brands and a world-class manufacturer of construction equipment. The JCB Vibromax union is your guarantee of specialist knowledge, superb product quality and the best back-up support network in the business.



# VMR Series Rapid Blow Tampers

The JCB Vibromax VMR Series features a low-maintenance design that results in longer working hours for higher productivity. Strong and sturdy, these Tampers have a low centre of gravity with a four-column guide for a stable function, guaranteeing high reliability for continuous, fault-free working. Plus, these machines also generate a horizontal force for moving forwards which makes them easier for the operator to handle.

## EXCEPTIONAL STANDARD FEATURES

Two popular sizes to match most applications

Oil bath lubrication on all moving and rotating parts

Engine protection bar

Emergency switch on guide bar

Protected air cleaner on top of the machine

Special damping plate material that acts as a shock absorber

4-stroke engines

Transport device on guide bar



		VMR 60	VMR 75
Engine		Honda	Robin
Performance DIN 6271	kW/ PS	2,5 / 3,4	2,6 / 3,5
Operating weight (CECE)	kg	60	73
Working width	mm	280	280
Frequency	min <sup>-1</sup>	740	660
Centrifugal force	kN	14,0	16,0

# Asphalt Cutter

The JCB Vibromax TCC6 is an all-purpose machine perfect for cutting jobs on asphalt, concrete or any similar material. The cutting depth is easy to adjust with a spindle-operated wheel and a scale that shows you the exact depth measurement. The machine frame is built for strength and features a large integrated water tank that delivers sufficient water to keep the cutting blade cool. And there's a powerful air-cooled diesel engine, which makes operating this cutter smooth and easy.

## EXCEPTIONAL STANDARD FEATURES

Rugged frame with integrated water tank

Easily adjustable cutting depth

Scale for exact cutting depth measurement

Powerful air-cooled diesel engine

**Options:** Several cutting blades for asphalt and concrete



TCC 6



Engine		Hatz
Performance DIN 6271	kW/ PS	6,8 / 9,2
Operating weight (CECE)	kg	228
Operating depth	mm	150
Operating speed	min <sup>-1</sup>	2500



# VMF Series Vibratory Plate Compactors

The VMF Series has been specifically designed for easy, effective compaction of asphalt, granular soil and other non-cohesive (or less-cohesive) materials. Built for fast travel and high productivity, these machines feature a powerful petrol engine (diesel on the VMF 1300 D) and a water-resistant, high-grade cast tamping plate for optimum durability. There are four models to choose from to suit a wide range of compaction jobs.

## EXCEPTIONAL STANDARD FEATURES

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Wear-resistant, high-grade cast tamping plate

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Oil bath lubrication of vibration bearings

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Shock-mounted, powerful petrol engine

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Diesel engine on VMF1300 D

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Hand adjustment to suit the operator

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Removable guide bar for easy transport

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Fast travel and high productivity

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Roll cage protects the unit and acts as a lifting bail

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**Options:** Honda engine on VMF1300, water system, transport cart

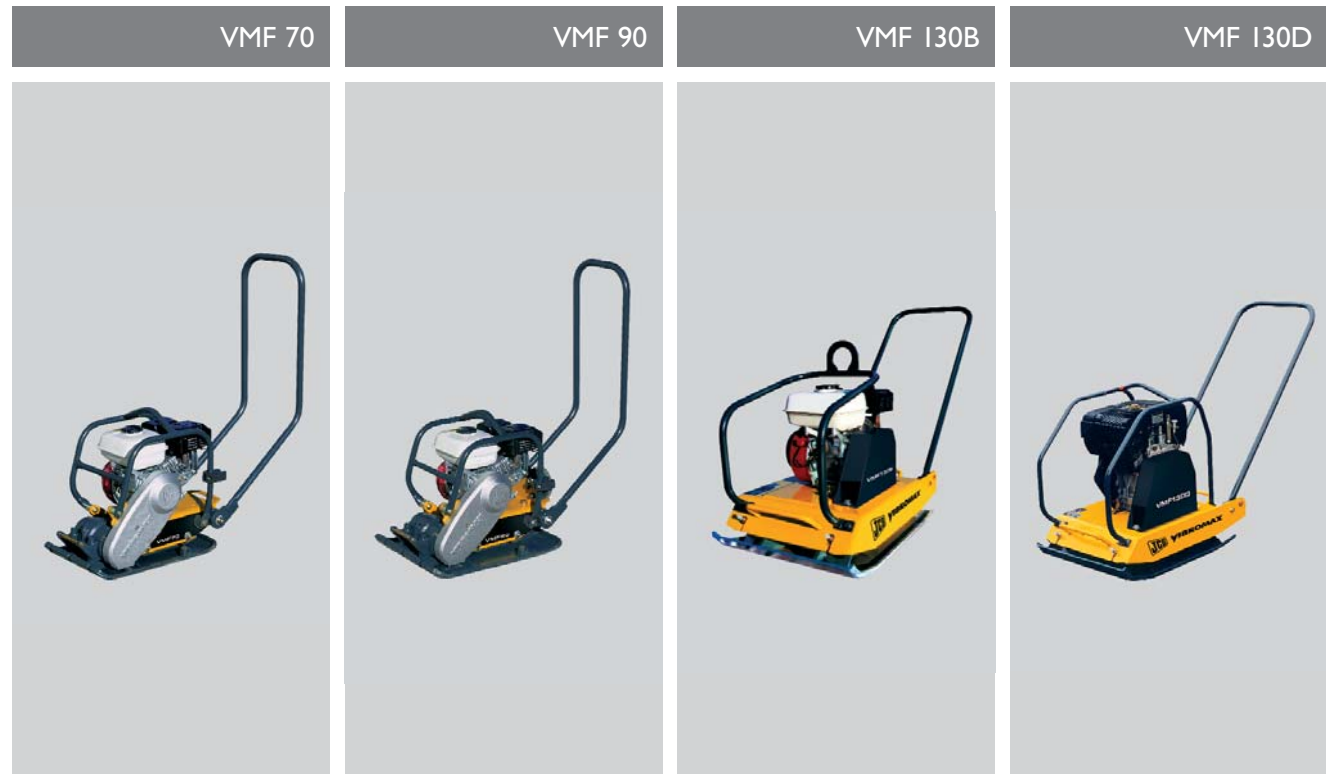
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# VMF SERIES VIBRATORY PLATE COMPACTORS



Four models to suit a wide range of compaction jobs



		VMF 70	VMF 90	VMF 130B	VMF 130D
Engine		Honda	Honda	Honda	Hatz
Performance DIN 6271	kW/ PS	2,9 / 3,9	2,9 / 3,9	4,0 / 5,4	3,1 / 4,2
Operating weight (CECE)	kg	68	87	108	130
Working width	mm	350	415	500	500
Frequency	Hz	100	100	90	130
Centrifugal force	kN	13,4	15,6	18	18

# VMP Series Reversible Plate Compactors

This comprehensive range of Plate Compactors provides a choice of models to suit every type of compaction application. All of the units are hydrostatically operated and designed to effectively compact granular soil and cohesive material. With a reversing and stationary feature, these machines allow you to carry out compaction tasks in confined areas where turning would be difficult (or impossible) for a non-reversing unit. All of the VMP models also feature high compaction output and surface performance for the toughest jobs.

## EXCEPTIONAL STANDARD FEATURES

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Roll cage protects the unit and acts as a lifting bail

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Single forward/reverse control lever

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Shock-mounted strong engines

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Shock-mounted guide bar

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Lifetime lubricated eccentric bearings

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Wear-resistant, high-grade cast damping plate

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Extension plates on VMP12

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Electrical starting system and hydraulic propulsion system on VMP64

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Built-in device to fix a vulkolan plate and additional extension plate

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Specially balanced and isolated guide bars to protect operator against hand/arm effects

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**Options:** Extension plates for VMP18, VMP24, VMP40, VMP48 and VMP64. Additional vulkolan plates for all machines for compaction of concrete paving stones and similar jobs

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# VMP SERIES REVERSIBLE PLATE COMPACTORS



An extensive model range to match every compaction task



	VMP 8	VMP 14	VMP 18	VMP 24	VMP 40	
Engine	Robin	Hatz	Hatz	Hatz	Hatz	
Performance DIN 6271	kW/ PS	2,2 / 3,0	3,1 / 4,2	4,5 / 6,1	5,6 / 7,6	
Operating weight (CECE)	kg	80	135	177	235	395
Working width	mm	325	425	450	500	500
Frequency	Hz	100	80	75	75	65
Centrifugal force	kN	16	25	30	38	52
Starter	Recoil	Recoil	Recoil	Recoil	Security crank	



# VMP SERIES REVERSIBLE PLATE COMPACTORS



An extensive model range to match every compaction task



		VMP 48	VMP 64	ATS 6002
Engine		Hatz	Hatz	Hatz
Performance DIN 6271	kW/ PS	7,0 / 9,5	9,7 / 13,2	8,9 / 12,7
Operating weight (CECE)	kg	468	635	789 / 913
Working width	mm	550	600	680 / 1100
Frequency	Hz	65	65	30,5
Centrifugal force	kN	60	72	60
Starter		Security crank	Electric	Security crank







# VMD Series Double Drum Vibratory Rollers

Designed for low maintenance, high productivity and ease of service. Every VMD model features a water sprinkling system for asphalt compaction, but they are also ideal on granular materials, and non-cohesive and cohesive soils. The water tank on these models is made from stainless material (V2A) to prevent rust and guarantee maximum use and stability, while the exciter shaft bearings are lifetime oil splash lubricated for added durability.

## EXCEPTIONAL STANDARD FEATURES

Both drums are hydraulically driven for excellent traction

Excellent service access

Dead-man propulsion lever to protect the operator

Dual scraper on each drum

**Options:** Electric start on VMD62 and VMD80



Engine		Hatz	Hatz	Hatz
Performance DIN 6271	kW/ PS	6,5 / 8,8	6,5 / 8,8	6,6 / 8,9
Operating weight (CECE)	kg	600	800	1135
Working width	mm	600	650	745
Frequency	Hz	55	55	55
Amplitude	mm	0,44	0,42	0,68
Centrifugal force	kN	16	20	40

# Multi Purpose Vibratory Compactor

The JCB Vibromax VM1500 high-impact roller is the best performer of its type in the industry and, as you would expect, it is designed for maximum productivity on a variety of different soils. There are two models available: the manually controlled VM1500 M and the remote controlled VM1500 F. Both feature 4-drum drive and steering to allow operation in confined areas where turning would otherwise be extremely difficult, if not impossible.

## EXCEPTIONAL STANDARD FEATURES

- Automatic engine shut down with tip over
- Permanently lubricated, centre-mounted eccentric system
- Hydrodynamic braking
- Low operating noise, 3-cylinder, water-cooled engine
- Dual scrapers on each drum
- Lockable access hood
- Safety control bar
- Hour meter
- Electric start with engine pre-heater
- Hydraulic level sight gauge
- Indicator light for alternator, water temperature and low engine oil
- Options:** 630mm or 850mm wide padfoot drums



		VM 1500 M	VM 1500 F
Engine		Kubota	Kubota
Performance DIN 6271	kW/ PS	16,8 / 22,8	16,8 / 22,8
Operating weight (CECE)	kg	1500	1500
Operating width	mm	630 / 850	630 / 850
Frequency	Hz	31	31
Amplitude	mm	2,4	2,4

# VMT Series Vibratory Tandem Rollers

To ensure maximum quality, all machines in the JCB Vibromax VMT series are put through their paces on a test bench during a two-hour test run at the factory.

The range of models features Vibratory Tandem Rollers designed to offer high productivity and reliability with maximum operating economy. The ideal combination of static weights, centrifugal forces and amplitudes makes these machines perfect for handling a wide range of compaction jobs (from the rolling of sub-base to finish rolling of asphalt materials) in a wide range of areas (yards, access roads, residential streets, car parks, roads, highways and airports) on soil and asphalt. All models boast excellent manoeuvrability, compact designs and many extra-values, as well as being available as combination versions with rubber tyres at the front or rear.

## EXCEPTIONAL STANDARD FEATURES – VMT SERIES

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Automatic vibration control with manual override

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High vibration frequency for fast rolling speed

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High curb clearance and narrow side clearance

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Hydrostatic propulsion of front and rear drums

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Oil splash lubricated vibration bearing

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Adjustable vulkolan scrapers

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Lightweight hood for easy maintenance access

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Front-to-rear-frame oscillation for stability

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(double yoke steering on VMT 170, 760, 780 S, 920 and 950 S)

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Machined drum surfaces for concentricity

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Powerful air-cooled or water-cooled diesel engine

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Pressurised filtered water spray system

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ROPS and seat belt for operating safety

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Adjustable seat

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Spring-applied, hydraulically released parking brakes on each drum

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Back-up alarm, lights

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**Options:** ROPS/FOPS (in lieu of ROPS)





# VMT SERIES VIBRATORY TANDEM ROLLERS



An extensive model range for a wide variety of compaction jobs



Engine		Hatz	Hatz	Kubota	Kubota	Kubota
Performance DIN 6271	kW/ PS	13,8 / 18,8	14,4 / 19,6	21,5 / 29,2	34,3 / 46,6	34,3 / 46,6
Operating weight (CECE)	kg	1182	1700	2650 / 2750	3900 / 3980	4770 / 4850
Operating width	mm	800	850 (+550)	1000 / 1200	1300 / 1400	1300 / 1400
Frequency	Hz	55	50	58	55	50 and 55
Amplitude	mm	0,5	0,5	0,5	0,51	0,56 and 0,33
Centrifugal force	kN	10,5	14	30 / 36	48 / 57	53 and 31

# VMT SERIES VIBRATORY TANDEM ROLLERS



An extensive model range for a wide variety of compaction jobs



		VMT 760/780S	VMT 850	VMT 920/950S
Engine		Deutz	Cummins	Cummins
Performance DIN 6271	kW/ PS	42,5 / 58	60 / 80	60 / 80
Operating weight (CECE)	kg	7600	8495	9050 / 9150
Operating width	mm	1400 (+900)	1675	1600 (+1100)
Frequency	Hz	33,3 / 50	33,3 / 50	33,3 / 50
Amplitude	mm	0,9 / 0,4	1,1 / 0,23	0,81 / 0,32
Centrifugal force	kN	45,5 / 43	71,6 / 33,4	55 / 49

# VM Series Vibratory Single Drum Compactors

To ensure maximum quality, all the machines in the JCB Vibromax VM Series are put through their paces on a test bench during a two-hour test run at the factory, so this is performance you know you can count on. The range of models features self-propelled vibratory rollers designed to offer high productivity and reliability with maximum operating economy. But these are also extremely versatile machines; two frequencies and amplitudes (except VM46) meet natural soil frequencies making them ideal for a wide range of cohesive soil jobs as well as compaction jobs on streets, roads, parking areas, building sites, rock-fill dams, super highways and airport projects. All VM models can handle thick lifts of cohesive soil jobs and superior gradeability is achieved through high-torque propulsion components, maximum balance of drum-to-tractor weight and a built-in anti-slip system.

## EXCEPTIONAL STANDARD FEATURES

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Maintenance-free, lifetime-lubricated centre joint

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Oil splash vibratory bearing lubrication

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Hydrostatic propulsion of drum and wheels

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Switchable anti-slip SASS system for high performance on slopes

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One lockable hood covers the complete engine compartment

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TC system features a top-charging air inlet on the highest point of the tractor part

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100% access to all hydraulic and engine components

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Service station for all hydraulic functions

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Front-to-rear-frame oscillation for stability

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Powerful water-cooled diesel engine

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Maximised vibrating mass for best compaction results

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Flush frame sides for confined operation

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Comfortable operator station with weight-adjustable seat

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Indicators for complete engine function

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Certified ROPS, emergency stop and seat belt for safe operation

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Tyres track within drum width

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**Options:** Blade, strike-off turntable (VM46 PD), padfoot shells. Working lights, pd shell kit for smooth drum, FOPS, compaction meter for density control including vpm meter, speedometer, cabin with heater (not VM46), AC, additional vulcolan scraper blade for smooth drum, ROPS/FOPS.

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# VM SERIES VIBRATORY SINGLE DRUM COMPACTORS



An extensive range for cohesive soil and general compaction jobs



		VM 46D/PD	VM 75D/PD	VM 115D/PD	VM 132D/PD	VM 146D/PD
Engine		Cummins	Cummins	Cummins	Cummins	Cummins
Performance DIN 6271	kW/ PS	45 / 60	60 / 80	93 / 125	112 / 150	129 / 173
Operating weight (CECE)	kg	4600	7300	11300 / 11600	13000 / 13400	14500 / 14900
Operating width	mm	1400	1750	2100	2100	2100
Frequency	Hz	32	29 / 36	31 / 36	29 / 36	29 / 35
Amplitude	mm	1,8 / 1,5	2 / 0,8	1,95 / 0,9	2 / 0,8	1,8 / 0,8
Centrifugal force	kN	101,6	138 / 84 156 / 96	261 / 163 282 / 176	282 / 174 305 / 188	297 / 192 317 / 205

# VM SERIES VIBRATORY SINGLE DRUM COMPACTORS



An extensive range for cohesive soil and general compaction jobs



		VM 166D/PD	VM 200D/PD
Engine		Cummins	Cummins
Performance DIN 6271	kW/ PS	129 / 173	129 / 173
Operating weight (CECE)	kg	16400 / 16800	19700 / 19700
Operating width	mm	2100	2100
Frequency	Hz	29 / 35	29 / 35
Amplitude	mm	1,8 / 0,8	2 / 0,75
Centrifugal force	kN	301 / 195 321 / 208	370 / 205







# Tow-Type Vibratory Compactors

The JCB Vibromax VM501 and VM651 are high-performance, low-cost Tow-Type Rollers designed for larger compaction sites where compaction needs to be done in intervals. The exciter shaft on these machines is hydraulically driven, vibration can be switched on and off from the towing vehicle, plus there is an electrical starting system and an optimal weight balance.

## EXCEPTIONAL STANDARD FEATURES

Oil splash lubricated eccentric bearings

Strong and sturdy 'one-piece frame'

Adjustable coupling for connection to various vehicles

Powerful air-cooled diesel engine with integrated oil-cooling radiator



		VM 501	VM 651
Engine		Deutz	Deutz
Performance DIN 6271	kW/ PS	31 / 42,3	42 / 57
Operating weight (CECE)	kg	3900	6300 / 6500
Operating width	mm	1830	2100
Frequency	Hz	38,3	40
Amplitude	mm	1,35	1,35
Centrifugal force	kN	135	210

# Rubber Tyred Roller

The VM2400 is designed for large compaction jobs of asphalt mixtures but can also be used for compacting non-cohesive and semi-cohesive soil. The machine features a backbone frame, eight smooth tyres, a rear axle that is driven through a hydrodynamic drive and a three-speed shiftable gearbox with gears that can be shifted under load. Plus, thanks to the isostatic suspension, the front wheels can adapt themselves to suit uneven terrain. It all helps make the VM2400 the professional solution for highway jobs and roads.

## EXCEPTIONAL STANDARD FEATURES

High compacting output

Adjustable operating weight

Adjustable tyre pressure (controlled from the operator's stand) for all kinds of compaction jobs

Two lock differential

Effective pressurised sprinkling system on wheels

Brush cleaning scrapers on each wheel

Reliable and adjustable shoe brakes

Compact, rigid design

Heavy-duty drive

Large working platform

Two operators' platforms

Power steering

Preselection of travel speed

Continuously adjustable travel speed in both directions

Excellent visibility in front and rear

Emergency STOP button

ROPS and safety brake in case of air-pressure loss

Comfortable operator seat with safety belt

Good access to all service functions

Minimum of lubricating points

Low operating and maintenance costs

Low noise level at operator's platform

**Options:** Cabin, wheel insulating cover, heating and ventilation system, air conditioning under floor, sunshade, windscreen wipers



VM 2400



Engine		Cummins
Performance DIN 6271	kW/ PS	74 / 99
Operating weight (CECE)	kg	12030 / 24000
Operating width	mm	1986







# The Best Back-up in the Business

## Always on hand to help

You demand more from your machines than ever before: more efficiency, more reliability, more performance.

That's why superb product support has never been so vital.

Together with our extensive dealer network, at JCB we're as innovative and forward-thinking when it comes to customer care as we are in machine development. Our product support and after-sales service have one aim: to give you peace of mind.

The care and quality we offer is exceptional. All servicing is carried out by the best, factory-trained JCB engineers.

Using the internet to pass vital information between on-site service personnel and our product support engineers, these professionals always have specialist information at their fingertips, so they can get you up and running again, faster.

## Protect your machine and your cashflow

Everyone has individual needs and preferences. So we offer a range of service options all designed to help you cope with the unexpected and minimise costly downtime. Whether it's additional breakdown cover, an all-inclusive scheduled service programme, or servicing, we've got the best service option for you.

## Finance packages, tailored to your needs

With ever-growing pressures on cashflows, the finance options available through JCB can provide a vital lifeline. Backed by JCB



Finance, who can provide tax-efficient and cost-effective finance solutions, designed and tailored specifically to your needs.

## Trust the genuine article

JCB parts are renowned worldwide for performance, reliability and safety. With replacement parts, we supply only the genuine

article, helping to safeguard the impressive residual values that you can expect in years to come.

As well as large stocks of parts engineered specifically for your machine, your JCB dealer also holds an extensive range of JCB premium lubricants, JCB filters and JCB Powermaster batteries, all manufactured to the same exacting standards. Your requirements can usually be supplied immediately by our dealers, but where this is not possible they can be ordered through the direct computer link between your dealer and JCB Service and processed through our impressive automated World Parts Centre warehouse. Despatch is normally the same day either to you or the dealer.

**Whether we're providing you with support, parts or finance, we aim for 100% satisfaction. It's all part of our promise to put you, the customer, first.**







**A Product  
of Hard Work**

JCB Vibromax Inc  
2823 Carlisle-Avenue  
Racine  
WI, 53404. USA  
Tel: +1 262-637-8111  
Fax: +1 262-637-8211

JCB Vibromax GmbH  
P.O. Box 230149  
40087 Düsseldorf, Germany  
Erkrather Straße 343  
40231 Düsseldorf, Germany  
Tel: +49 (0) 2 11 -9 86 63  
Fax: +49 (0) 2 11 -9 86 65 55

JCB Vibromax Singapore  
Representative Office  
72 Pasir Ris Heights  
Singapore 519279  
Tel: +65 6583 8297  
Fax: +65 683 8301

[www.jcbvibromax.de](http://www.jcbvibromax.de)

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