

COMPACTION | RANGE



VMR Series rapid blow rammers

The JCB VMR Series features a low-maintenance design that results in longer working hours for higher productivity. Strong and sturdy, these rammers have a low center 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

Options: Transport wheels



FP Series forward vibratory plate compactors



The FP Series has been specifically designed for easy, effective compaction of asphalt, soil and other non-cohesive (or less-cohesive) materials. Built for low hand/arm vibration levels and high productivity, these machines feature a powerful Honda petrol engine and a wear-resistant, high-grade cast tamping plate for optimum durability. There are three models to choose from to suit a wide range of compaction jobs.

EXCEPTIONAL STANDARD FEATURES

Wear-resistant, high-grade cast tamping plate

Oil bath lubrication of vibration bearings

Shock-mounted, powerful petrol engine

Low vibration levels

Fast travel and high productivity

Roll cage protects the unit and acts as a lifting bail

Options: Transport wheels, water sprinkler system and rubber paving stone pads



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 material 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

Roll cage protects the unit and acts as a lifting bail

Single forward/reverse control lever

Shock-mounted strong engines

Lifetime lubricated vibrator bearings

Wear-resistant, high-grade cast damping plate

Built-in device to fix a vulcolan paving mat and additional extension plate

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

Options: Extension plates for VMP24 Additional vulcolan paving mats for all machines for compaction of concrete paving stones and similar jobs



VM Multi-purpose vibratory compactor/trench rollers

The JCB 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 VM1500M and the remote controlled VM1500F. Both feature 4-drum drive steering and a center mounted vibration exciter system.

EXCEPTIONAL STANDARD FEATURES

- Automatic engine shut down if machine tips over
 - Permanently lubricated, center-mounted vibration exciter 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
 - Class-leading access to all components for service
 - Battery, fuel and hydraulic oil tank protected against theft and vandalism
 - Central lifting eye
 - Textile stripes protect rubber mountings when machine is lifted
- Options:** 25in or 33in wide padfoot drums, anti-vandal kit, external battery charger 230V



VMD Series double drum vibratory rollers

The robust VMD70 and VMD100 feature best-in-class maneuverability, safety and serviceability. Both models are a direct response to customer feedback on the previous range with a complete new machine layout putting the engine on the front and the huge water tank to the rear which provides a perfect 50/50 weight distribution. Both models are fully hydrostatic and offer a best-in-class curb clearance. Both VMD70 and VMD100 are easy to use. The combination of static weight, maneuverability, amplitude and high frequency lifts both models to the top of the market in terms of productivity.

EXCEPTIONAL STANDARD FEATURES

Manual or E-start

2 Hydrostatic motors for superior traction and curb clearance reliability

Vibration isolated, ergonomic and tiltable guide bar

Low noise level

Low maintenance

High curb clearance

Options: Tool bag, engine protection cover, hour meter, water tank cap lock, bio-degradeable hydraulic oil, tropical hydraulic oil





VMT Series vibratory tandem rollers



To ensure maximum quality, all machines in the VMT Series are put through their paces on a test bench during an intensive 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 maneuverability and compact design.



EXCEPTIONAL STANDARD FEATURES

Automatic vibration control with manual override

High vibration frequency for fast rolling speed

High curb and side clearance

Hydrostatic propulsion of front and rear drums

Oil splash lubricated vibration bearings

Spring-loaded and adjustable vulcolan scrapers each drum

Lightweight hood for easy maintenance access

Front-to-rear-frame oscillation for stability

VMT160/260/860: double, single front or single rear vibration

Best service access in the industry

High quality and proved components

Exceptional hose and piping protection

Comfortable driver stands with extremely low vibration levels

Center joints free of maintenance

Machined drum surfaces for concentricity

Powerful air-cooled or water-cooled diesel engine

Pressurized filtered water spray system

Adjustable seat

Spring-applied, hydraulically released parking brakes on each drum

Largest fuel tanks in the industry

Single-piece circular excentric shafts, ensure performance and durability

Options: Fixed or foldable ROPS with seat belt, working lights (standard for CE), safety switch on operator seat (standard for CE), road lights, reverse alarm (standard for CE), instrument panel cover, flashing beacon, edge cutting device, side shifting, FOPS fitted to ROPS, chip spreader, cab, heating, air-conditioning, Compatronic, etc.



VM Series vibratory single drum compactors

To ensure maximum quality, all the machines in the JCB 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

Maintenance-free, lifetime-lubricated center joint

Vibrator bearings oil splash lubricated

AVC

Reverse alarm

Center joint free from maintenance

One-piece exciter shafts built for long life

Hydrostatic propulsion of drum and wheels

Switchable-Anti-Slip-System (SASS) for high performance on slopes

No-spin axle

One lockable hood covers the complete engine compartment

TC system features top-charging air inlet on the highest point of tractor part 100% access to all hydraulic and engine components

Pre-loaded rubber mountings

Service station for all hydraulic functions

Front-to-rear-frame oscillation for stability

Powerful water-cooled diesel engine

Maximized vibrating mass for best compaction results

Flush frame sides for confined operation

Comfortable operator station with weight-adjustable seat and 360° view

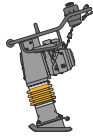
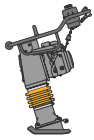



Indicators for complete engine and machine functions





Emergency stop and seat belt for safe operation

Tires track within drum width






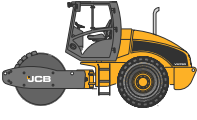
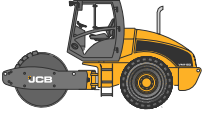
Options: Compatronic (R), Compatronic Pro (R), Electronic Traction Control, ROPS or 360° cabin, FOPS, canopy to ROPS, PD shell kits, Leveling blades, Asphalt kits, PD version, Compatronic TP, etc.



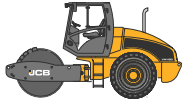



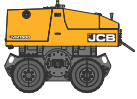
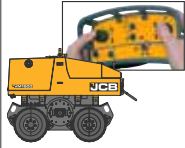

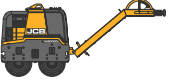
		VMR60	VMR75	FPI030	FPI540	FPI550
						
Engine		Honda GX100	Robin EH 12-2	Honda GX100	Honda GX160	Honda GX160
Performance DIN 6271	hp (kW)	3.4 (2.5)	3.5 (2.6)	2.8 (2.1)	4.8 (3.6)	4.8 (3.6)
Operating weight (CECE)	lbs	132	160	137	200	220
Working width	in	11	11	12	16	20
Blows/minute		739	660	–	–	–
Tamping force	lbf	3147	3597	–	–	–
Frequency	vpm	–	–	6000	6000	6000
Centrifugal force	lbf	–	–	2248	3372	3372
Amplitude	in	–	–	–	–	–

		VMP8	VMPI4	VMPI8	VMP24
					
Engine		Honda GX120	Hatz I B20 / Lombardini I5LD 22	Hatz I B20 / Lombardini I5LD 225	Hatz I B20 / Lombardini I5LD 350S
Performance DIN 6271	hp (kW)	3.9 (2.9)	Hatz - 4.2 (3.1) / Lombardini 4.2 (3.1)	Hatz - 4.2 (3.1) / Lombardini 4.2 (3.1)	Hatz - 6.2 (4.5) / Lombardini 4.9 (3.6)
Operating weight (CECE)	lbs	176	297	390	517
Working width	in	13	17	18	20 std / 24 max
Frequency	vpm	6000	4800	4500	4500
Centrifugal force	lbf	3597	5620	6744	8543
Starter		Recoil	Recoil	Recoil	Recoil

VMT160/TSC VMT260 VMT380 VMT430 VMT860 VM75D/PD VM115D/PD

								
Engine		Kubota	Kohler	Kohler	Kohler	JCB	JCB Tier 3	JCB / JCB Tier 3
Performance DIN 6271	hp (kW)	23 (17)	38 (28)	45.7 (33.6)	45.7 (33.6)	85 (63)	85 (63)	125 (93) - 130 (97)
Operating weight (CECE)	lbs	4057 - 4365	5886 - 6482	8267 - 8488	9259 - 9480	19290 - 20393	16887 - 16138	24449 - 25089
Operating width	in	31 / 35 / 39	39 / 47	51 / 55	51 / 55	66	69	83
Frequency	vpm	3000 -3960	3000 -3960	3000 -3960	3000 -3960	1998 - 3000	1740 - 2160	1860 - 2160
Amplitude	in	0.02	0.02	0.02	0.02	.04 / .01	.08 / .03	.08 / .04
Centrifugal force	lbf	2068 - 4047	5845 - 10116	13264 - 14163	13264 - 14163	13961 - 8318	31024 / 18884 - 35070 / 21582	58675 / 36644 - 63396 / 39566

VM115HD/HPD VMI32D/PD VMI66D/PD VM200D/PD VMI500M VMI500F VMD70 VMD100

									
Engine		JCB / JCB Tier 3	Cummins / JCB Tier 3	Cummins / Cummins Tier 3	Cummins / Cummins Tier 3	Kubota	Kubota	Hatz 1B40	Hatz 1B40
Performance DIN 6271	hp (kW)	125 (93) - 130 (97)	150 (112) - 145 (108)	173 (129)	173 (129)	22.8 (16.8)	22.8 (16.8)	9.0 (6.6)	9.0 (6.6)
Operating weight (CECE)	lbs	25838 - 25948	26125 - 28021	34216 - 35046	40852 - 40499	3307 - 3505	3307 - 3505	1631	2028
Operating width	in	83	83	83	83	25 - 33	25 - 33	26	30
Frequency	vpm	1860 - 2160	1740 - 2160	1740 - 2100	1740 - 2100	1860	1860	3600	3600
Amplitude	in	.08 / .04	.08 / .03	.07 / .03	.08 / .03	0.09	0.09	0.01	0.01
Centrifugal force	lbf	58675 / 36644 - 63396 / 39566	63396 / 39117 - 68567 / 42264	67667 / 43838 - 72164 / 46760	83179 / 46086	18884	18884	4923	5171



