

COMPACTION



Compaction





**Class-leading performance, styling and serviceability
It's the perfect combination for ultimate productivity**

PERFORMANCE, QUALITY AND COMFORT – THE COMPLETE COMPACTION SOLUTION



JCB Compaction is an established and popular range of high-performance compaction equipment. We're proud to manufacture the current JCB compaction range in Germany, building on nearly 90 years heritage and using our own blend of world-class manufacturing and engineering excellence to deliver unrivalled quality and reliability. From 0.2 to 20 tonnes,

our extensive range of products boasts class-leading compaction performance, styling and serviceability to give you ultimate productivity, no matter how tough things get. And of course, these machines come with the additional benefits of our extensive worldwide distribution network and our global reputation for the best back-up in the business.

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 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

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 vulcan 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 vulcan 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 centre mounted vibration exciter system.

EXCEPTIONAL STANDARD FEATURES

Automatic engine shut down if machine tips over

Permanently lubricated, centre-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: 630mm or 850mm 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 manoeuvrability, 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 kerb clearance. Both VMD70 and VMD100 are easy to use. The combination of static weight, manoeuvrability, 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 kerb clearance reliability

Vibration isolated, ergonomic and tiltable guide bar

Low noise level

Low maintenance

High kerb 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 manoeuvrability 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 vulcan 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

Centre joints free of maintenance

Machined drum surfaces for concentricity

Powerful air-cooled or water-cooled diesel engine

Pressurised 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 centre joint

Vibrator bearings oil splash lubricated

AVC

Reverse alarm

Centre 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

Maximised vibrating mass for best compaction results

Flush frame sides for confined operation

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

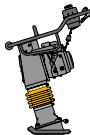
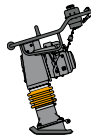



Indicators for complete engine and machine functions





Emergency stop and seat belt for safe operation







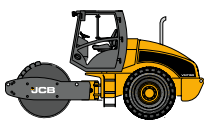
Tyres track within drum width






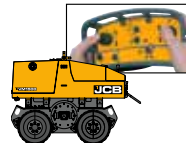


Options: Compatronic (R), Compatronic Pro (R), Electronic Traction Control, ROPS or 360° cabin, FOPS, canopy to ROPS, PD shell kits, Levelling blades, Asphalt kits, PD version, Compatronic TP, etc.



		VMR60	VMR75	FPI030	FPI540	FPI550
						
Engine		Honda GX100	Robin EH 12-2	Honda GX100	Honda GX160	Honda GX160
Performance DIN 6271	kW (hp)	2,5 / 3,4	2,6 / 3,5	2,1 / 2.8	3,6 / 4,8	3,6 / 4,8
Operating weight (CECE)	kg	60	73	62*	91*	100*
Working width	mm	280	280	300	400	500
Blows/minute		739	660	–	–	–
Tamping force	kN	14,0	16,0	–	–	–
Frequency	Hz	–	–	100	100	100
Centrifugal force	kN	–	–	10	15	15
Amplitude	mm	–	–	–	–	–

		VMP8	VMPI4	VMPI8	VMP24
					
Engine		Honda GX120	Hatz I B20 / Lombardini 15LD 22	Hatz I B20 / Lombardini 15LD 225	Hatz I B20 / Lombardini 15LD 350S
Performance DIN 6271	kW (hp)	2,9 / 3,9	Hatz - 3,1 / 4,2 Lombardini - 3,1 / 4,2	Hatz - 3,1 / 4,2 Lombardini - 3,1 / 4,2	Hatz - 4,5 / 6,2 Lombardini - 3,6 / 4,9
Operating weight (CECE)	kg	80	135	177	235
Working width	mm	325	425	450	500 std / 600 Max
Frequency	Hz	100	80	75	75
Centrifugal force	kN	16	25	30	38
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	kW (hp)	17 / 23	28 / 38	33,6 / 45,7	33,6 / 45,7	63 / 85	63 / 84	93 / 125 - 97 / 130
Operating weight (CECE)	kg	1840 - 1980	2670 - 2940	3750 - 3850	4200 - 4300	8750 (ROPS) 9250 (cabin)	7660 - 7320	11090 - 11380
Operating width	mm	800 / 900 / 1000	1000 / 1200	1300 / 1400	1300 / 1400	1675	1750	2100
Frequency	Hz	50 ... 66	50 ... 66	50 / 59 / 66	50 / 59 / 66	33,3 / 50	29 / 36	31 / 36
Amplitude	mm	0,5	0,5	0,44	0,44	1,1 / 0,23	2 / 0,8	1,95 / 0,9
Centrifugal force	kN	9,2 ... 18	26 ... 45	59 / 63	59 / 63	71 / 37	138 / 84 - 156 / 96	261 / 163 - 282 / 176

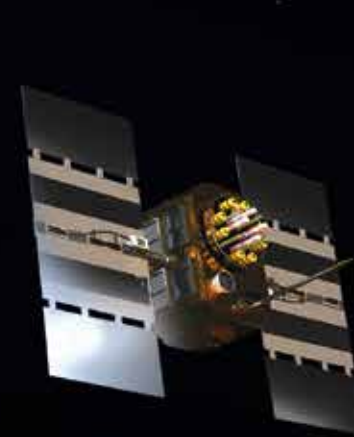
		VM115HD/HPD	VM132D/PD	VM166D/PD	VM200D/PD	VM1500M	VM1500F	VMD70	VMD100
									
Engine		JCB / JCB Tier 3	Cummins / JCB Tier 3	Cummins / Cummins Tier 3	Cummins / Cummins Tier 3	Kubota	Kubota	Hatz 1B40	Hatz 1B40
Performance DIN 6271	kW (hp)	93 / 125 - 97 / 130	112 / 150 - 108 / 145	129 / 173	129 / 173	16,8 / 22,8	16,8 / 22,8	6,6 / 9,0	6,6 / 9,0
Operating weight (CECE)	kg	11720 - 11770	11850 - 12710	15520 - 16060	18530 - 18370	1500 - 1590	1500 - 1590	740	920
Operating width	mm	2100	2100	2100	2100	630 - 850	630 - 850	650	750
Frequency	Hz	31 / 36	29 / 36	29 / 35	29 / 35	31	31	60	60
Amplitude	mm	1,95 / 0,9	2 / 0,8	1,8 / 0,8	2 / 0,75	2,4	2,4	0,38	0,32
Centrifugal force	kN	261 / 163 - 282 / 176	282 / 174 - 305 / 188	301 / 195 - 321 / 208	370 / 205	84	84	21.90	23

LIVELINK, WORK SMARTER

LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.

Productivity and cost benefits

By providing information like idle time monitoring and machine fuel consumption, JCB Livelink helps reduce your fuel usage, saving money and improving productivity. Machine location information can help improve efficiency and perhaps even reduce insurance costs.



Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.



Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information, advanced ECU matching (pairs Livelink with the immobiliser or ECU).



VALUE ADDED

JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.



1

1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

2 The global network of JCB Parts Centres is another model of efficiency; with 15 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.

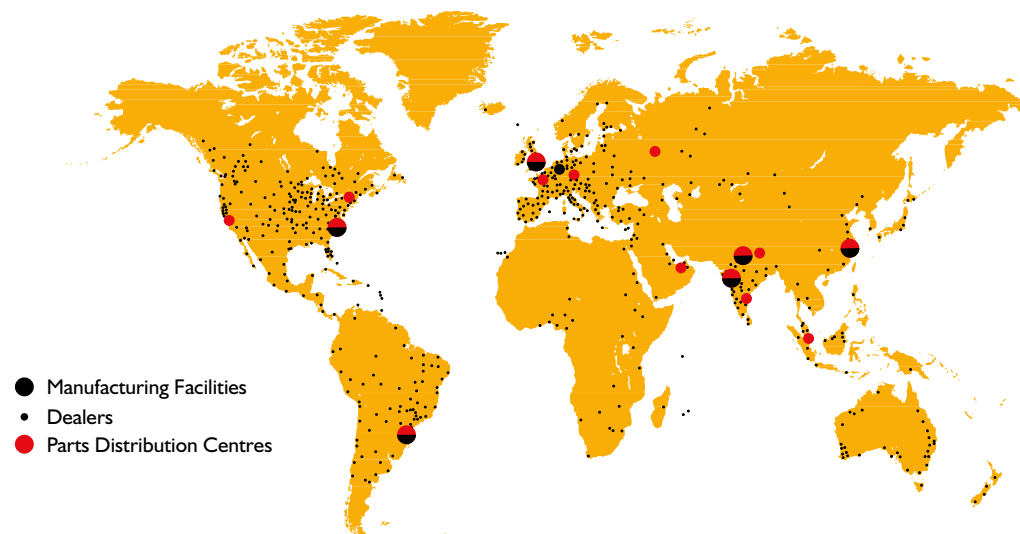


2

3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



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