



JCB COMPACTION | VMT160/260

VMT160 Engine Power: 16.8kW (22.5hp) Drum Width: 800 – 1000mm Operating Weight: 2670 – 3050kg

VMT260 Engine Power: 28kW (38.1hp) Drum Width: 1000 – 1200mm Operating Weight: 2670 – 3050kg



Courtesy of Machine.Market



Setting new standards

The new VMT160/260 tandem rollers are quite simply the most productive machines available in this high volume sector. In fact, it is safe to say that with this range, JCB has established a new benchmark together in choice, comfort, control, reliability, serviceability and performance. Sharing the same design as the VMT260, the VMT160 range consists of five models: the VMT160-80, VMT160-90, VMT160-100 as well as the other two models featuring a Total Side Clearance VMT160-80 TSC and VMT160-90 TSC. The VMT160 is available in

WORK FLAT OUT FOR OVER TWICE AS LONG



three different drum versions: 800mm, 900mm and 1000mm. The VMT260 range consists of two models: the VMT260-100 and VMT260-120, with drum widths of 1000mm and 1200mm respectively. All of these models benefit from the inclusion of a class-leading 45/95-litre diesel tank combined with a 125/230-litre water tank. This allows the VMT160/260 to work at maximum capacity for much longer than its nearest rivals, giving you over a whole working day of extra usage.

We have also introduced new, ergonomic seating and user-friendly controls that are conveniently positioned on a low vibration stand. So whatever you're doing (from rolling sub-base and finish rolling asphalt materials, to patch and repair works) and wherever you're doing it (access roads, yards, residential streets, car parks, highways, airports) these rollers are simplicity itself to operate. Add all of this to JCB's legendary build quality and the best back up in the business, and you have a range of tandem rollers that just can't be beaten.

Power and performance

Largest diesel and water tanks mean you can work flat out for over twice as long

Three-cylinder, water-cooled, four-stroke diesel engine delivers maximum power

Electrically controlled hydrostatic direct drive on both drums enhances versatility

Automatic Vibration Control (AVC) as standard

Superb stability increases operating safety



The JCB Compaction VMT range is renowned for its excellent combination of static weight, centrifugal force, amplitude, tight turning circle and fast rolling speed. The new VMT160s and VMT260s boast these same key qualities as well as adding greater power, performance and attention to detail into the mix.

Perhaps the most impressive development to have been incorporated into these machines is the high capacity fuel and water tanks, which enable them to outperform all the competition when it comes to productivity. The 45/95-litre diesel engine tanks are nearly double the market average, while the 125/230-litre water tanks are significantly greater than the 40-60/180-200 litre market average.

What this all means is that, based on an average consumption of 5 litres of diesel per hour, the VMT260 gives you 10 hours' extra usage than the competition. Basically these machines can work flat out for over twice as long.

Both machines feature a new three-cylinder, water-cooled, four-stroke diesel engine that delivers maximum power at reduced noise levels. Electrically controlled hydrostatic direct drive on both drums enables you to maximise performance on any application by selecting double vibration, single front vibration or single rear vibration. VMT160s and VMT260s feature double, single-front rear vibration and Automatic Vibration Control (AVC) as standard, while exceptional stability provides optimum operating safety. Plus, manual left and right drum offset of $\pm 65\text{mm}$ on VMT160 and 80mm on VMT260 is standard.

Such incredible power and performance, plus the added versatility that comes from being easily transportable equals a compaction solution that is fast becoming indispensable.





Comfortable, controllable, reliable

New design for improved operator comfort combined
with extreme robustness

Fully adjustable, spacious seating is accessible from both sides

Excellent manoeuvrability characteristics and fast rolling speeds

Newly designed control layout makes for intuitive operation

Ergonomic driving lever and engine speed control
improve controllability

Extreme low vibration levels on driver stand



In a sector renowned for the somewhat 'basic' design of its equipment, the new modern styling of the VMT160 and VMT260 come as a very welcome change. These machines are designed with operator comfort and safety firmly in mind.

The fully adjustable, comfortable and spacious seating position, featuring armrests, cup holder and safety switch, is easily accessible from both sides of the machine. It also offers a clear view for increased accuracy and safety while work is in progress.

Safety on site is enhanced by a reverse alarm, emergency stop button and front and rear working lights as standard, with optional foldable or fixed ROPS frame, lights for road traffic and a flashing beacon.

The VMT160 and VMT260 also feature a newly designed control layout, with simple and clearly labelled controls and an informative indicator dashboard, making operation much more user friendly. Meanwhile, precision control is achieved through the ergonomic driving lever and engine speed control.

Furthermore the VMT160 and VMT260 possess excellent manoeuvrability characteristics combined with fast rolling speeds making it a highly flexible machine to cater for all on-site requirements.

As you would expect from a world-class manufacturer with a reputation for excellence, the build quality of the VMT160 and VMT260 models is of the highest standard, ensuring you maximum durability and reliability. And as for servicing, we've made life easier by reducing maintenance requirements and ensuring all routine checks are easily accessible.

Power and performance just don't come in a more comfortable, controllable or reliable package.





1.Driver's Platform

Very spacious, comfortable and adjustable driver's seat
with arm rests
Access from both sides of machine
Optimal visibility
Cup holder
Unique driver stand isolation protects against vibration
through optimised rubber mounting system

9.Vibration

AVC – Automatic Vibration Control
Double, or single-front, or single-rear vibration

8.Brakes

Spring-applied, hydraulically released parking
brakes on each drum

7.Chassis

Robust and strong, articulated
Heavy-duty maintenance free centre joint
drum offset
Equal weight distribution (front and rear)

2.Components

High quality, reliable components
Proven over many years
Powerful, water-cooled and low-noise diesel engine

3.Service Access

100% access to all components under lightweight
hood, electrics in steering column

4.Water Sprinkler System

2 solid brass spray bars on each drum
Changeable nozzles with excellent service access
Pressurised water system
Very large water tank of 230 litres

5.Scrapers

2 per drum
Spring loaded for optimised use and
prolonged life

6.Drums

Strong and reliable vibration and drive motors
Oil splash lubricated exciter shaft bearings
Hydrostatic propulsion and vibration on both drum
Machined drum surfaces for concentricity
Single piece circular exciter for long life



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JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE.

Productivity and cost benefits –

Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.

** Note: Please consult your local dealer for LiveLink availability*



Maintenance benefits – Accurate hours monitoring, maintenance history records, critical machine alerts and service alerts improve maintenance planning.

Security benefits – Real-time geofencing lets you set operating zones and curfew alerts that tell you when your machinery outside of pre-determined times. Location information helps you store machines safely.

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.



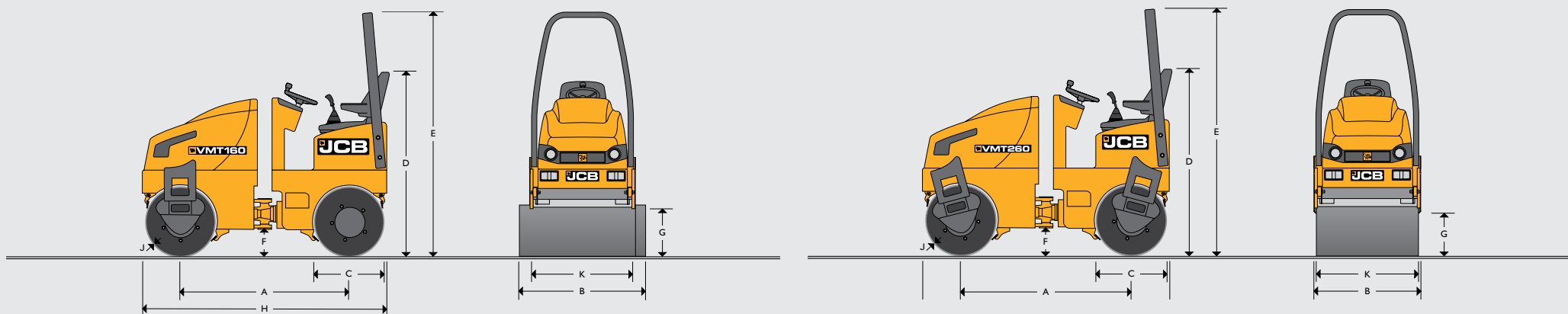
1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.

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.



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.

STATIC DIMENSIONS



			VMT160-80	VMT160-90	VMT160-100	VMT160-80TSC	VMT160-90TSC	VMT260-100	VMT260-120
A	Wheelbase	mm	1350	1350	1350	1350	1350	1700	1700
B	Overall width (with/without offset)	mm	882 / 947	982 / 1047	1082 / 1147	905	1005	1082 / 1162	1282 / 1362
C	Drum diameter	mm	580	580	580	580	580	700	700
D	Height to top of seat	mm	1600	1600	1600	1600	1600	1760	1760
E	Height to top of ROPS	mm	2320	2320	2320	2320	2320	2480	2480
F	Ground clearance	mm	290	290	290	290	290	270	270
G	Curb clearance	mm	350	350	350	350	350	550	550
H	Total travel length	mm	2140	2140	2140	2140	2140	2490	2490
J	Drum thickness	mm	12	12	12	12	12	12	12
K	Drum width	mm	800	900	1000	800	900	1000	1200

OPERATING DATA

			VMT160-80	VMT160-90	VMT160-100	VMT160-80TSC	VMT160-90TSC	VMT260-100	VMT260-120
Nominal weight	kg		1683	1743	1813	1763	1823	2440	2700
Operating weight (CECE)	kg		1840	1900	1970	1920	1980	2670	2940
Maximum operating weight	kg		1910	1970	2040	1990	2050	2790	3050
Working width	mm		800	900	1000	900	1000	1000	1200
Operating linear load	kg/cm		11.5	10.6	9.9	10.6	9.9	13.4	12.3
Exciter frequency	Hz		50 ... 66	50 ... 66	50 ... 66	50 ... 66	50 ... 66	50 ... 66	50 ... 66
Nominal amplitude	mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5
Centrifugal force (each drum)	kN		9.2 ... 18	9.2 ... 18	9.2 ... 18	9.2 ... 18	9.2 ... 18	26 ... 45	26 ... 45
Max. Working speed	km/h		0 ... 9	0 ... 9	0 ... 9	0 ... 9	0 ... 9	0 ... 11	0 ... 11
Drum offset left / right – manual (option)	mm		65	65	65	65	65	80	80
Steering angle	degrees		±30°	±30°	±30°	±30°	±30°	±35°	±35°
Oscillation angle	degrees		±8°	±8°	±8°	±8°	±8°	±8°	±8°
Inner turning radius	mm		2120	2070	2020	2070	2020	2200	2100
Gradeability with vibration up to	degrees (%)		17 (30)	17 (30)	17 (30)	17 (30)	17 (30)	17 (30)	17 (30)
Gradeability without vibration up to	degrees (%)		22 (40)	22 (40)	22 (40)	22 (40)	22 (40)	22 (40)	22 (40)

ENGINE			
		VMT160 All Models	VMT260 All Models
Make		KUBOTA	KOHLER
Model		D1005 - E3B (EPA Tier IV)	KDW 1603
Type		3 cylinder, water-cooled, four-stroke diesel engine	3 cylinder, water-cooled, four-stroke diesel engine
Piston displacement	cm ³	1001	1649
Performance	kW (hp)	16.8 (22.5)	28 (38.1)
Operating speed	min ⁻¹ (rpm)	3000	2800
Starting device		Electric motor	Electric motor
Air cleaner		Dry cartridge plus safety cartridge	Dry cartridge plus safety cartridge
Fuel filter		Cartridge	Cartridge

PROPULSION	
Hydrostatic with variable displacement pump and fixed displacement motors with direct drive to both drums = double drum drive.	

EXCITER DRIVE	
Electrically controlled hydrostatic direct drive on both drums for double vibration or single vibration front or rear, AVC (automatic vibration control).	

EXCITER	
Single-shaft circular exciter.	

STEERING SYSTEM	
Servo assisted, maintenance free center articulation with oscillation facility, front and rear winching points.	

SERVICE CAPACITIES			
		VMT160 All Models	VMT260 All Models
Fuel	litres	45	95
Sprinkler water	litres	125	230

BRAKING SYSTEM		
Service brake:		Hydrostatic propulsion system.
Parking brake:		Hydraulically released brake on both drums (SAHR).

SPRINKLER/SCRAPER	
Pressurized sprinkling system, spring loaded retractable scraper (two each drum), changeable nozzles, multiple water filtering.	

ELECTRICAL SYSTEM			
		VMT160 All Models	VMT260 All Models
Voltage	V	12	12
Battery capacity	Ah	45	62
Alternator	A	40	80

DRIVERS STAND/INSTRUMENTS	
Fuel, battery charging current, sprinkler system, parking brake, hour meter, engine oil pressure, air filter condition, hydraulic oil level and temperature, water level indicator, cup holder, comfortable adjustable operator seat with arm rests and safety belt.	

OPTIONS	
ROPS (standard at CE), foldable ROPS canopy, Total Side Clearance (TSC) operation (160-80 & 160-90), drum offset, lights for road traffic, flashing beacon, fan guard, anti-vandal cover, instruments panel cover, tropical hydraulic oil, bio-degradeable hydraulic oil, tool bag.	



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Download the very latest information on this product range at: www.jcb.com

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