

SPECIFICATION



SINGLE DRUM SOIL COMPACTOR | VM118D STAGE V

Operating weight: 11,950 – 13,500kg Engine power: 55kW Centrifugal force: 256 / 146kN



WORKS FASTER, DRINKS LESS

A game-changer for total cost of ownership, this single drum soil compactor is the ultimate choice for all kinds of compaction. From road construction to building foundations to constructing railway tracks, it rolls from task to task with ease.



MAXIMUM PERFORMANCE

The VM118D is the first single drum soil compactor in its class with a 55kW engine, requiring no DEF, reducing exhaust treatment and maintenance costs.



MAXIMUM PRODUCTIVITY

Compaction power on the VM118D is best in class, with a vibrator force of 256kN, compacting in less passes for the operator.

MAXIMUM COMFORT

The VM118D ensures easy, precise operation with market-leading front and rear visibility and a comfortable seat.



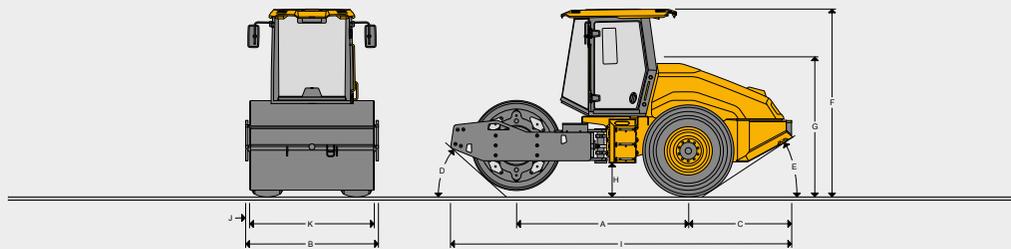
MAXIMUM SERVICEABILITY

The JCB VM118D is designed for ease of servicing. All daily checks can be completed from ground level and no greasing is required.

MAXIMUM CONNECTION

The INTELLICOMPACTON measurement system helps operators compact with a minimum number of passes and avoid over-compaction.

STATIC DIMENSIONS



STATIC DIMENSIONS

STATIC DIMENSIONS		CABIN ROPS/FOPS	
A	Wheelbase	mm	2906
B	Overall width	mm	2240
C	Axle to rear face	mm	1761
D	Front departure angle	degrees	39
E	Rear departure angle	degrees	29
F	Total travel clearance	mm	3020
G	Height to top of seat (unfolded)	mm	2280
H	Ground clearance	mm	443
I	Total travel length	mm	5781
J	Overhang	mm	70
K	Drum width	mm	2100
	Drum diameter	mm	1500
	Drum shell thickness	mm	28 + 10
	Inner drum diameter (PD shell kit)	mm	1500
	Outer drum diameter (PS shell kit)	mm	1680

ENGINE

Manufacturer		JCB
Model		JCB DIESELMAX 430
Total displacement	cm ³	2978
Gross power	kW	55
Operating speed / Rated speed	rpm	1850 / 2200
Starting device		Electric motor
Air filter		Two stage dry type
Air filter cleaning		Scavenge system
Fuel filter		Cartridge
Emission level		Stage V

SERVICE CAPACITIES

Fuel	litres	250
Engine oil	litres	14.5
Gear oil (exciter)	litres	3.3
Hydraulic oil	litres	80
Coolant	litres	22

PROPULSION

Infinitely variable hydrostatic direct drive by fixed displacement motor on rear axle and drum.
JCB axle with limited slip differential (LSD).

EXCITER DRIVE

Electronically-controlled hydrostatic direct drive on drum.

OPERATING DATA

OPERATING DATA		CABIN ROPS/FOPS	
Operating weight CECE	kg	11950	
Maximum operating weight	kg	13500	
Operating axle load front / rear	kg	6750 / 5200	
Static linear load	kg/cm	32.2	
Vibration		1 / 2	
Frequency	Hz (vpm)	32 (1920) / 36 (2160)	
Amplitude	mm	1.80 / 0.80	
Centrifugal force	kN	256 / 146	
Working speed (forward / reverse) max.	km/h	0 – 5	
Travel speed (forward / reverse) max.	km/h	0 – 10	
Steering lock angle	degrees	35	
Oscillation angle	degrees	15	
Inner turning radius	mm	3400	
Tyres		23.1 – 26	
Number of padfeet (optional PD shell)		132	
Height of padfeet (optional PD shell)		90	
Gradeability up to	degrees / %	28.5 / 55	28.5 / 55

ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	120
Alternator	A	105

EXCITER

Dual-amplitude circular exciter with overturning weights.

STEERING SYSTEM

Servo assisted centre articulation with automatic oscillation – all free of maintenance.

BRAKING SYSTEM

Service brake: Hydrostatic propulsion system.

Parking brake: Hydrostatically-released multi-disk brake on rear axle and drum drive (ECO: on axle only).

Emergency brake: Hydrostatically-controlled, disk brake on rear axle and drum drive (ECO: on axle only).

INDICATORS AND SWITCHES

Engine RPM with hour meter, fuel gauge, engine temperature gauge, indicators for engine oil pressure, battery charging current, hydraulic, oil and air filter condition, parking brake, neutral position control lever, switches for speed range selection, frequency, acoustic back-up alarm, four working lights, head lamps, turn signal, hazard-warning lights, speedometer, inclinometer, seat belt monitoring.

STANDARD CONFIGURATION

Front & rear winching eyes, lockable engine bonnet (flat profile for excellent visibility), lockable plastic fuel tank with protected cap under bonnet, high-viz engine compartment, all filters accessible from ground level, air filter scavenge system, LiveLink telematics, 2 frequencies, 2 amplitudes, remote engine oil drain, one key fits all, towing pump, heavy-duty vibrator coupling, main battery switch, parts book, operator manual, polyurethane scrapers.

ROPS/FOPS CABIN: adjustable steering column, suspended, fabric comfort seat, rotating seat arrangement including side pod and ergonomic drive lever, 7" JCB UX display with all machine functions, fish eye rearview mirror, AVC (automatic vibration control), travel speed and torque selector with 4 working modes (work / travel / gradient / PD-shells), document pouch, cup holder, fan guard, flat glasses, air-condition, heating, CE marking, 4 integrated dual-colour beacons, front & rear LED working lights.

OPTIONS

INTELLICOMPACTATION (compaction measurement device), PD (padfoot) shell kit (3 segments complete with scraper), safety-kit (road traffic lights, white noise reverse alarm, immobiliser) & homologation kits.



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Your nearest JCB dealer

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