

BETTER TODAY, *even* BETTER TOMORROW.

INTRODUCING

JCB VM117_{eco}
SOIL COMPACTOR

BETTER OPERATING COST WITH **NO DEF**

BETTER SAVINGS WITH **NO GREASING**

BETTER OPERATIONS WITH **10%*** HIGHER TORQUE

BETTER OPERATOR **SAFETY** & COMFORT

BETTER **UPTIME** WITH REMOTE DIAGNOSTICS

INTELLI
COMPACTION*



*Against outgoing VM117 CEV Stage IV model.

Operating Weight: 11,525 kg | Engine Power: 74 hp
Drum Width: 2,100 mm

SPECIFICATION: JCB VMI 17 SOIL COMPACTOR

ENGINE

Four-cylinder, water-cooled, four-stroke, turbo charged, after-cooled diesel engine.

Make	JCB	
Model	430S5-55	
Total displacement	(cm ³)	2978
Gross power	(hp)	73.8
Operating speed / Rated	(rpm)	1850/2200
Starting device	Electric motor	
Air cleaner	Two stage dry type	
Fuel filter	Cartridge	
Emission	Stage 5	

PROPULSION

Infinitely variable hydrostatic direct drive by variable displacement motor on rear axle and drum (On drum drive machine), limited slip axle.

EXCITER DRIVE

Electrically-controlled hydrostatic direct drive on drum.

EXCITER

Single-shaft circular exciter with overturning weights.

STEERING SYSTEM

Servo assisted centre articulation with automatic oscillation.

SERVICE CAPACITIES

Fuel	300 L
Engine oil (Engine)	14.5 L
Gear oil (Exciter)	3.3 L
Hydraulic oil	84 L
Coolant / System	22L

BRAKING SYSTEM

Service brake:	Hydrostatic propulsion system.
Parking brake:	Hydraulically-released multi-disk brake on rear axle and drum drive.
Emergency brake:	Electrically-controlled, disk brake, on rear axle and drum drive.

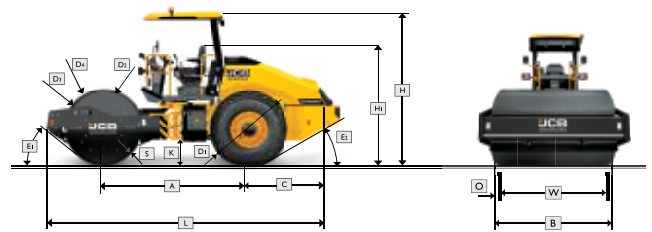
ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	120
Alternator (Current carrying capacity)	A	105

INDICATORS AND SWITCHES

RPM cum 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.

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STATIC DIMENSIONS

Dimensions in mm

A	Wheel base	mm	2906
B	Overall width	mm	2240
H	Height to top of ROPS	mm	2997
HI	Height to top of seat	mm	2345
K	Ground clearance	mm	443
L	Total travel length	mm	5781
S	Drum thickness	mm	28
W	Drum width	mm	2100
C	Axle to rear face	mm	1768
O	Overhang	mm	70
E1	Front aperture angle	deg	39
E2	Rear departure angle	deg	33.5
D1	Wheel diameter (non-static)	mm	1560
D2	Drum diameter	mm	1500
D3	Inner diameter of pad foot	mm	NA
D4	Outer diameter of pad foot	mm	NA
	Steering Angle lock to lock	deg	35
	Oscillating angle	deg	15
	Min. turning radius (outside roller)	mm	5668
	Min. turning radius (outside roller frame)	mm	5738

OPERATING DATA

		VM117NDD	VM117DD
Weight (ROPS canopy version)	Kg	11525	11568
Front/rear reaction	Kg	6501/5024	6562/5006
Centrifugal force	kN	256/146	
Frequency	Hz	32/36	
Amplitude	mm	1.8/0.8	
Max. travel speed	km/h	10	10
Max. working speed	km/h	5	5
Max. gradient w/o vibration	%	28	50
Max. gradient with HFLA vibration	%	25	40
Max/min. machine operating temperature	°c	+50/-10	
Max. altitude	m	2000	
Emission	-	Stage 5	
Drum diameter	mm	1500	
Tyre diameter @16P{PSI}	mm	1540	
Machine Length	mm	5781	
Engine rated speed	RPM	2200	
Engine operating speed	RPM	1850	
Engine rated power	kW@RPM	55@2200	
Peak torque	Nm@RPM	440@1150	
Hydraulic oil ISO VG46	-	JCB HVI hydraulic oil	

EXCEEDING EXPECTATIONS EVERYWHERE

65+
Dealers

700+
Outlets

5
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6000+
Trained service engineers

3500+
Mobile service engineers

20+
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300+
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12 Languages

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