

# EMPOWERING YOUR ROAD TO SUCCESS

## JCB VM117<sub>eco</sub> SOIL COMPACTOR



10%<sup>\*</sup> Better  
Fuel Efficiency



No After  
Treatment



Simple and Easy  
Mechanical Engine with  
Inline Fuel Injection  
System



Advanced Telematics:  
LiveLink 4.0 for  
Enhanced Uptime.



Powered by

JCB ENGINE  
ecomax



CEV IV  
STAGE IV

To know more



Scan the QR code

Operating Weight: 11,400 kg | Engine Power: 74 hp  
Drum Width: 2,100 mm

\*Optional

## SPECIFICATION: JCB VMI 17 SOIL COMPACTOR

### ENGINE

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

Make	JCB
Model	444TA4-55
Total displacement (cm <sup>3</sup> )	4399
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	CEV Stage- IV

### 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)	15 L
Gear oil (Exciter)	3.3 L
Hydraulic oil	80 L
Coolant / System	21L

### BRAKING SYSTEM

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

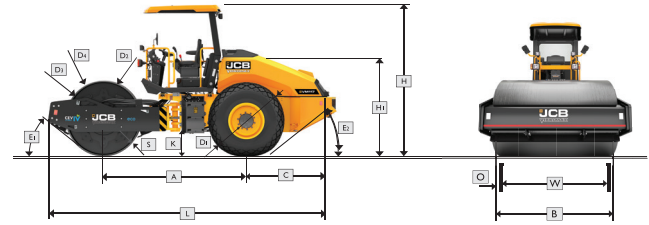
### ELECTRICAL SYSTEM

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

Label	Description	Unit	Value
A	Wheel base	mm	2906
B	Overall width	mm	2240
H	Height to top of ROPS	mm	2994
H1	Height to top of seat	mm	2310
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	11336
	Min. turning radius (outside roller frame)	mm	11475
	Travel speed	km/h	10
	Working speed	km/h	5
	Low frequency /high amplitude	Hz/mm	32 / 1.8
	High frequency / low amplitude	Hz/mm	32 / 0.8

### OPERATING DATA

		VMI17NDD	VMI17DD
Weight (canopy version)	Kg	11400	11443
Front /rear reaction	Kg	6501/4899	6562/4881
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	-	CEV Stage-IV	
Drum diameter	mm	1500	
Tyre diameter @16P{PSI}	mm	690-710	
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	400@1200	
Hydraulic oil ISO VG46	-	JCB HVI hydraulic oil	

## EXCEEDING EXPECTATIONS EVERYWHERE

**6000+**  
Trained service engineers

**3500+**  
Mobile service engineers

**20+**  
Operator training centres

**60+**  
Dealers

**750+**  
Outlets

**5**  
Parts warehouses

**300+**  
Service vans

**24x7 Support**  
12 Languages

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