



PAVING THE PATH TO EXCELLENCE.

JCB 116

SOIL COMPACTOR



Better fuel efficiency



Low on maintenance



Simple and easy mechanical engine with inline fuel injection system



Stay connected 24x7



*Optional



Operating Weight: 11250 kg | Engine Power: 100 hp
Engine Make: JCB | Drum Width: 2,100 mm
Centrifugal Force: 256 kN | Static Linear Load: 30.24 Kg/cm

SPECIFICATION: JCB 116 SOIL COMPACTOR

ENGINE

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

Make	JCB
Model	JCB Diesel Max TCA-74, TCA-85
Total displacement (cm ³)	4399
Gross power (hp)	100 / 114
Operating speed/rated (rpm)	2000 / 2200
Starting device	Electric motor
Air cleaner	Two stage dry type
Fuel filter	Cartridge
Emission	BS-III confirms to CMVR norms

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 L
Gear oil (Exciter)	5 L
Hydraulic oil	80 L
Coolant / System	21L

BRAKING SYSTEM

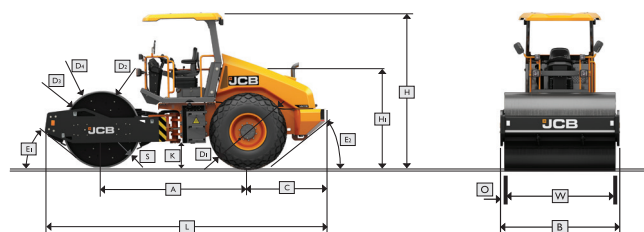
Service brake:	Hydrostatic propulsion system.
Parking brake:	Hydraulically-released multi-disk brake on rear axle and drum drive.
Emergency brake:	Electrically-controlled, disk brake, on rear axle and drum drive.

ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	120
Alternator (Current carrying capacity)	A	90

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.



STATIC DIMENSIONS

Dimensions in mm

A	Wheelbase	mm	2846
B	Overall width	mm	2240
C	Axle to rear face	mm	1517
D ₁	Wheel diameter	mm	1560
D ₂	Drum diameter (Smooth drum)	mm	1500
D ₃	Inner diameter padfoot drum	mm	1500
D ₄	Outer diameter padfoot drum	mm	1680
E ₁	Front departure angle	deg	39°
E ₂	Rear departure angle	deg	34°
H	Total travel clearance	mm	2995
H ₁	Height to top of seat (Unfold)	mm	2280
K	Ground clearance	mm	443
L	Total travel length	mm	5473
O	Overhang	mm	70
S	Drum thickness	mm	28
W	Drum width	mm	2100

OPERATING DATA

		JCB116		JCB116DD	
Operating weight	kg	11250		11350	
Operating axle load front/rear	kg	6350 / 4900		6450 / 4900	
Vibration stage		1	2	1	2
Exciter frequency	Hz (vpm)	32 (1920)	36 (2160)	32 (1920)	36 (2160)
Nominal amplitude	mm	1.8	0.8	1.8	0.8
Centrifugal force	kN	256	147	256	147
Centrifugal force/drum width	N/cm	1219	700	1219	700
Working speed (Forward/Reverse) max.	km/h	6.5		5	
Travel speed (Forward/Reverse) max.	km/h	11		10.5	
Steering lock angle	degrees	± 35		± 35	
Vertical oscillation	degrees	± 15		± 15	
Inner turning radius	m	3.4		3.4	
Tyres		23.1 - 26 / 8 PR		23.1 - 26 / 8 PR	
Number of padfoot					
Height of padfoot					
Gradeability up to (Drum drive)	degrees(%)	18.5 (34)		28.5/55	

JCB reserves the right to change specifications without any prior notice. Illustrations shown may include optional equipment and accessories. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.

All available variants: VMT 330 and VMT 860eco

EXPERIENCE THE BEST SERVICE



Extended warranty



Best-in-class service



Easy parts availability



Advanced LiveLink

To know more, visit your nearest dealership

