



STATIC DIMENSIONS

Dimensions in millimeters		
A	Wheelbase	2846 mm
B	Overall Width	2250 mm
C	Axle to rear face	1523 mm
D1	Wheel diameter	1560 mm
D2	Drum Diameter (smooth drum)	1500 mm
D3	Inner diameter padfoot drum	1400 mm
D4	Outer diameter padfoot drum	1600 mm
E1	Front departure angle	41°
E2	Rear departure angle	32°
H	Total travel clearance	2985 mm
H1	Height to top of seat	2185 mm
K	Ground clearance	447 mm
L	Total travel length	5444 mm
O	Overhang	75 mm
S	Drum thickness	25 mm
W	Drum width	2100 mm

OPERATING DATA

		VMI15/D		VMI15PD	
		1	2	1	2
Operating weight	Kg	10850		11150	
Operating axle load front / rear	Kg	5550 / 5300		5850 / 5300	
Vibration stage		1	2	1	2
Exciter frequency	Hz (vpm)	31 (1860)	36 (2160)	31 (1860)	36 (2160)
Nominal amplitude	mm	1.97	0.9	1.97	0.9
Centrifugal force	kN	261	163	282	176
Centrifugal force / drum width	N/cm	1243	776	1343	838
Working speed (forward/reverse) max.	km/h	6		4.5	
Travel speed (forward/reverse) max.	km/h	11.8		10	
Steering lock angle	degrees	± 35		± 35	
Vertical oscillation	degrees	± 15		± 15	
Inner turning radius	m	3.4		3.4	
Tyres		23.1 - 26 / 12 PR		23.1 - 26 / 12 PR	
Number of padfoot				132	
Height of padfoot				100	
Gradeability up to (drum drive)	degrees (%)	31 (60)		33 (65)	

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



ENGINE

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

Make	JCB	
Model	JCB Dieselmax TCA-85	
Total Displacement	(cm ³)	4399
Gross Power	(hp)	114
Operating speed	(rpm)	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 center articulation with automatic oscillation.

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SERVICE CAPACITIES

Fuel	litres	300
Engine Oil (engine)	litres	14
Gear Oil (exciter)	litres	3.5
Hydraulic Oil	litres	80
Coolant / System	litres	22

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	130
Alternator (Current carrying capacity)	A	95

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, 4 Working Lights, Head Lamps, Turn Signal, Hazard-warning Lights.

OPTIONS

ROPS & FOPS Cab, ROPS & FOPS Canopy, Compatronic, Padded Foot Drum Shell, Water Sprinkler kit, Pressure Measuring Station.