

SINGLE DRUM SOIL COMPACTORS EU5

VM138

WORLD'S Strongest 13t
Compactor with 292kN
Centrifugal Force



JCB VIBROMAX



STATIC DIMENSIONS

Dimension	mm	Dimension	mm
A Total length	5781	F Drum thickness	32+ 10
B Total height cab	3020	G Total width	2240
C Total height cab	3009	H Drum width	2100
D Ground clearance	443	I Wheelbase	2906
E Drum diameter D	1500	Inner turning radius	3400
Drum diameter PD	1600		

ENGINE

Specification	Dimension	
Manufacturer		JCB
Model		448
Total Displacement	cm ³	4800
Gross power	kW (hp)	97 (131)
Operating speed / rating speed	rpm	1850/ 2000
Emmission level		EU 5
After treatment system		DOC / SCRF
Air filter		Two stage dry type
Fuel filter		Cartridge

SERVICE CAPACITIES

Specification	Liters
Fuel	250
Engine oil	14.5
Gear oil exciter	3.3
Hydraulic oil	80
Coolant	22

PROPULSION

Infinitely variable hydrostatic direct drive by fixed displacement motor on rear axle and drum. JCB axle with limited slip differential (LSD). Four traction modes: WORK | TRAVEL | CLIMB | PADFOOT

EXCITER DRIVE

Electronically controlled hydrostatic direct drive on drum.

EXCITER

Dual-amplitude circular exciter with overturning weights.

ELECTRICAL SYSTEM

Type		Value
Voltage	V	12
Battery capacity	Ah	120
Alternator	A	105

STEERING SYSTEM

Servo assisted centre articulation with automatic oscillation free of maintenance supported by carbon coated & sealed bearings.

BRAKING SYSTEM

Brake Type	Specification
Service	Hydrostatic propulsion system.
Parking	Hydrostatically released multi-disk brake on axle and drum.
Emergency	Hydrostatically controlled, disk brake on axle and drum.

OPERATING DATA

Specification		VM138D	VM138PD
CECE Operating weight (cabin)	kg	13,150	13,150
Operating weight max. (cabin)	kg	15,200	13,150
CECE Front / rear axle load	kg	7,800/ 5,350	6,750/ 5,200
Front / rear axle load max.	kg	9,770/ 5,400	6,750/ 5,200
CECE Static linear load (cabin)	kg/cm	37.1	n/a
Working speed max f/w/d/rev	km/h	5.0	5.0
Transport speed max f/w/d/rev	km/h	10.5	10.5
Gradeability with / without vibration	%	50/ 55	50/ 55
Vibration stage		1 2	1 2
Frequency	Hz	31 36	31 36
Amplitude	mm	1.80 0.80	1.80 0.80
Steering lock angle	degrees	35	35
Oscillation lock angle	degrees	15	15
Tyres		23.1-26 Diamond	23.1-26 Tractor
Number of padfeet		n/a	132
Centrifugal force	kN	292/160	292/160

CONFIGURATION

2 polyurethane scrapers on drum | triple fixed drum rubbers | towing, lift & winching eyes front & rear | lockable engine bonnet (flat profile for excellent visibility) | high viz engine compartment | all filters available from ground level | lockable plastic fuel tank with protected cap under bonnet ROPS/FOPS cabin with all round flat glasses, LED front & rear working lights, air condition, heating, clothed & suspended comfort seat, rotating arrangement including side pod and ergonomic drive lever, rear mirror, adjustable steering column, 7" TFT display with all machine functions display | Livelink

OPTIONS

INTELLICOMPACT compaction measurement | SAFETY KIT (road lights, immobiliser (key), white noise reverse alarm | PD Shell Kit | homologation kits