

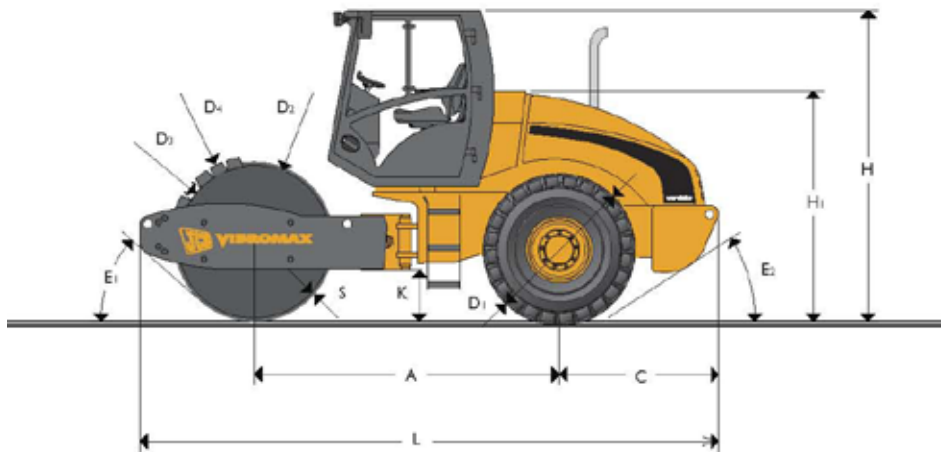
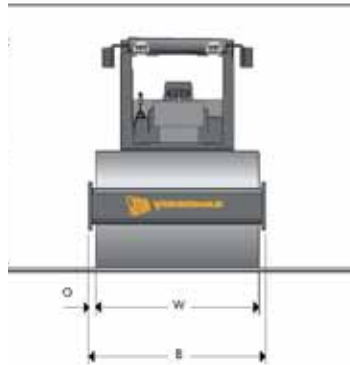


COMPACTION EQUIPMENT

JCB VM 132

JCB VIBROMAX – COMPACTION EQUIPMENT
SELF-PROPELLED VIBRATORY ROLLER VM132D/VM132PD

DRUM WIDTH: 82.7in (2100mm)
MAX. OPERATING WEIGHT: 26660lb (13000kg) / 29542lb (13400kg)



STATIC DIMENSIONS

Dimensions in inches (mm)		
A	Wheelbase	118.0 (2996)
B	Overall width	89.4 (2270)
C	Axle to rear face	65.0 (1651)
D ₁	Wheel diameter	59.8 (1520)
D ₂	Drum diameter (smooth drum)	59.1 (1500)
D ₃	Inner diameter padfoot drum	55.1 (1400)
D ₄	Outer diameter padfoot drum	63.0 (1600)
H	Total travel clearance	115.6 (2935)
H ₁	Height to top of seat	85.0 (2160)
K	Ground clearance	17.6 (447)
L	Total travel length	225.3 (5722)
O	Overhang	3.3 (85)
S	Drum thickness	1.0 (25)
W	Drum width	82.7 (2100)
E ₁	Front departure angle	41°
E ₂	Rear departure angle	29°

OPERATING DATA

		VM132D		VM132PD	
		1	2	1	2
Operating weight (max.)	lb (kg)	29660 (13000)		29542 (13400)	
Operating axle load front / rear	lb (kg)	18094 (7900) / 12566 (5700)		6976 (7000) / 12566 (5700)	
Operating linear load front	lb/in (kg/cm)	195 (34.8)			
Vibration stage					
Exciter frequency	vpm (Hz)	1740 (29)	2160 (36)	1740 (29)	2160 (36)
Nominal amplitude	in (mm)	0.079 (2)	0.031 (0.8)	0.079 (2)	0.031 (0.8)
Centrifugal force per drum	lbf (kN)	63396 (282)	39117 (174)	68567 (305)	42264 (188)
Centrifugal force / drum width	lbf/in (N/cm)	767 (1343)	473 (809)	829 (1452)	511 (895)
Compaction depth up to	in (cm)	39 (100)	31 (80)	43 (110)	35 (90)
Working speed (forward/reverse) max.	mph (km/h)	4.8 (7.7)		4.8 (7.7)	
Travel speed (forward/reverse) max.	mph (km/h)	7.9 (12.7)		7.9 (12.7)	
Steering lock angle	degrees	±35		±35	
Vertical oscillation	degrees	±15		±15	
Inner turning radius	in (m)	142 (3.6)		142 (3.6)	
Tyres		23.1 - 26 / 8 PRAWT		23.1 - 26 / 12 Tractor Tread	
Number of padfeet				132	
Height of padfoot	in (mm)			3.9 (100)	
Gradeability up to	degrees (%)	31 (60)		33 (65)	

ENGINE

Six-cylinder, water-cooled, four-stroke, turbo-charged diesel engine with charge air cooler.

Make		Cummins
Model		B 5.9 - 150 C
Piston displacement	in ³ (cm ³)	359 (5880)
Performance - DIN 6271	hp (kW)	150 (112)
Operating speed	rpm (min ⁻¹)	2200 (2200)
Starting device		Electric motor
Air cleaner		Dry cartridge plus safety cartridge
Fuel filter		Cartridge
Fuel consumption	US gal (l/h)	4.5 (16.9)

PROPULSION

Infinitely variable hydrostatic direct drive by variable displacement motor on rear axle and drum, Multidisc self-locking differential (NoSPIN).

EXCITER DRIVE

Electrically controlled hydrostatic direct drive on drum.

EXCITER

Single-shaft circular exciter with overturning weights.

STEERING SYSTEM

Servo assisted center articulation with vertical oscillation.

SERVICE CAPACITIES

Fuel	US gal (liters)	105.7 (400)
Engine oil (engine)	US gal (liters)	3.8 (14.2)
Gear oil (exciter)	US gal (liters)	3.2 (12)
Hydraulic oil	US gal (liters)	21.1 (80)
Coolant	US gal (liters)	5.0 (19)

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	143
Alternator	A	max. 95

INDICATORS AND SWITCHES

Hour meter, fuel, engine temperature, engine oil pressure, battery charging current, hydraulic oil and air filter condition, parking brake, neutral position control lever, speed range selection frequency, Optional lighting, directional signals, hazard-warning lights.

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