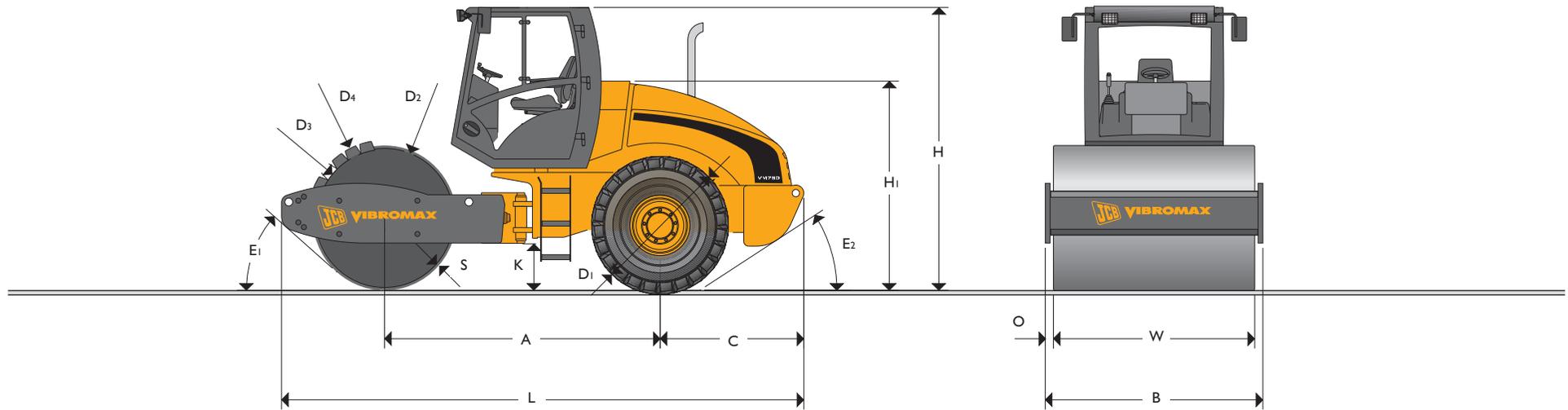


DRUM WIDTH: 1750mm (68.9in) OPERATING WEIGHT: 7300kg (16094lb) / 7600kg (16755lb)



STATIC DIMENSIONS

Dimensions in millimetres (in)		
A	Wheelbase	2514 (99.0)
B	Overall width	1870 (73.6)
C	Axle to rear face	1470 (57.9)
D1	Wheel diameter	1298 (51.1)
D2	Drum diameter (smooth drum)	1220 (48.0)
D3	Inner diameter padfoot drum	1140 (44.9)
D4	Outer diameter padfoot drum	1300 (51.2)
H	Total travel clearance	2845 (112.0)
H1	Height to top of seat	2070 (81.5)
K	Ground clearance	389 (15.3)
L	Total travel length	4887 (192.4)
O	Overhang	60 (2.4)
S	Drum thickness	25 (1.0)
W	Drum width	1750 (68.9)
E1	Front departure angle	40°
E2	Rear departure angle	28°

OPERATING DATA

		VM75D		VM75PD	
		1	2	1	2
Operating weight	kg (lb)	7300 (16094)		7600 (16755)	
Operating axle load front / rear	kg (lb)	3600 (7937) / 3700 (8157)		3900 (8598) / 3700 (8157)	
Operating linear load front	kg/cm (lb/in)	20.6 (115)			
Vibration stage					
Exciter frequency	Hz (vpm)	29 (1740)	36 (2160)	29 (1740)	36 (2160)
Nominal amplitude	mm (in)	2 (0.079)	0.8 (0.031)	2 (0.079)	0.8 (0.031)
Centrifugal force	kN (lbf)	138 (31024)	84 (18884)	156 (35070)	96 (21582)
Centrifugal force / drum width	N/cm (lbf/in)	789 (450)	480 (274)	891 (509)	549 (313)
Compaction depth up to	cm (in)	65 (26)	50 (20)	75 (30)	60 (24)
Working speed (forward/reverse) max.	km/h (mph)	6.9 (4.3)		6.9 (4.3)	
Travel speed (forward/reverse) max.	km/h (mph)	11 (6.8)		11 (6.8)	
Steering lock angle	degrees	±28		±28	
Vertical oscillation	degrees	±15		±15	
Inner turning radius	m (in)	2.97 (117)		2.97 (117)	
Tyres		14.9 - 24 / 6PR AWT		14.9 - 24 Dyna Torque II	
Number of padfeet				100	
Height of padfoot	mm (in)			80 (3.1)	
Gradeability up to	degrees (%)	31 (60)		33 (65)	

ENGINE

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

	Tier II	Tier III
Make	Cummins	JCB Power Systems
Model	B 3.3	Diesemax 63 TC
Piston displacement	cm ³ (in ³)	4399 (268)
Performance – DIN 6271	kW (hp)	63 (84)
Operating speed	min ⁻¹ (rpm)	2200 (2200)
Starting device	Electric motor	Electric motor
Air cleaner	Dry cartridge plus safety cartridge	Dry cartridge plus safety cartridge
Fuel filter	Cartridge	Cartridge

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	litres (US gal)	230 (60.8)
Engine oil (engine)	litres (US gal)	8 (2.1)
Gear oil (exciter)	litres (US gal)	3 (0.8)
Hydraulic oil	litres (US gal)	80 (21.1)
Coolant	litres (US gal)	14 (3.7)

BRAKING SYSTEM

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

ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	143
Alternator	A	max. 60

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, AVC (automatic vibration control), acoustic back-up alarm. Optional lighting, turn signal, hazard-warning lights.

