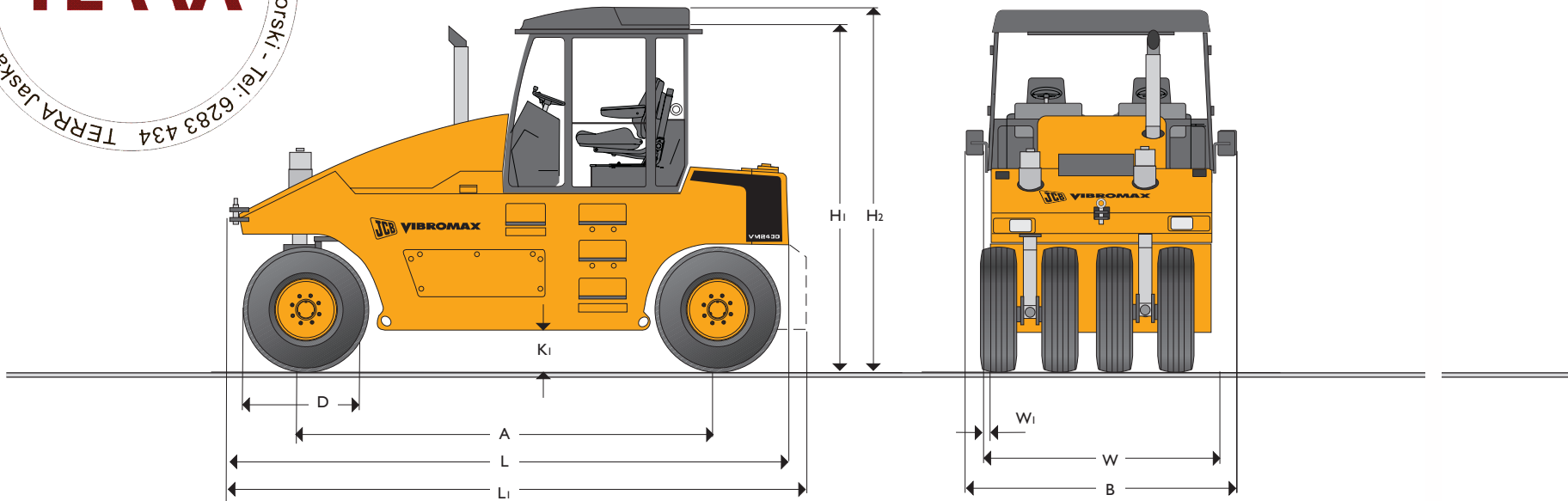




JCB VIBROMAX – COMPACTION EQUIPMENT RUBBER TYRE ROLLER **VM2400**



MAX. DRUM WIDTH: 1986mm (78.2in)
MAX. OPERATING WEIGHT: 12310kg (27139lb)



STATIC DIMENSIONS

Dimensions in millimetres (in)		
A	Wheelbase	3500 (137.8)
B	Overall width	2265 (89.2)
D	Wheel diameter	1040 (40.9)
H1	Height without cab	3010 (118.5)
H2	Height with cab	3040 (119.7)
K1	Ground clearance	300 (11.8)
L	Total travel length	4775 (188.0)
Li	Total travel length with aprons	5440 (214.2)
W	Total Roller width	1986 (78.2)
W1	Overlap	33 (1.3)

OPERATING DATA

Operating weight with cab, ROPS + 2.4 t basic ballast	kg (lb)	12310 (27139)
Operating weight	kg (lb)	12310 – 24000 (27138 – 52910)
Ballast weight max.	kg (lb)	14250 (31415)
Working speed (forward / reverse) max. 1st gear	km/h (mph)	0-5 (0-3.1)
Working speed (forward / reverse) max. 2nd gear	km/h (mph)	0-11 (0-6.8)
Working speed (forward / reverse) max. 3rd gear	km/h (mph)	0-19 (0-11.8)
Inner / outer turning radius	m (in)	5.4 (8.6) / 212 (339)
Gradeability up to (depending on material) at full ballast	degrees (%)	25 (14)



JCB VIBROMAX – COMPACTION EQUIPMENT RUBBER TYRE ROLLER VM2400



ENGINE

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

Make	Cummins	
Model	4 BT 3.9 - C 99 (Emission cert. stage I) / 4 BT 4.5 - C 99 (Emission cert. stage II)	
Piston displacement	cm ³ (in ³)	3920 (239) / 4510 (275)
Performance – DIN 6271	kW (hp)	74 (99)
Operating speed	rpm	2200
Starting device	Electric motor	
Air cleaner	Dry and safety cartridge	
Fuel filter	Cartridge	
Fuel consumption	l/h (US gal/h)	7.3 (12.8) / 1.93 (3.38)

PROPULSION

Hydrodynamic drive with Clark Powershift Transmission via cardan shaft to the differential of rear axle.
Front axle – Oscillating front wheel pairs with load sensing hydraulic cylinders.

STEERING SYSTEM

Hydrostatically operated pivot steering on both pairs of front wheels.

SPRINKLING SYSTEM

Pressurised sprinkling system with 4 sprinkle cycle intervals.

INDICATORS / GAUGES

Operating hours, charging current, engine oil pressure, engine temperature, tyre air pressure, gear oil pressure, gear oil temperature, working lights.

BRAKING SYSTEM

Service brake: Hydrostatic brake with air booster acting on four rear wheels, shoe brake.
Parking and emergency brake: Disc brake.

ELECTRICAL SYSTEM

Lighting	For road traffic with additional working lights on rear side (optional)	
Voltage	V	12
Battery capacity	Ah	135
Alternator	V(A)	14 (55 maximum)

SERVICE CAPACITIES

Fuel	litres (US gal)	250 (66)
Engine oil	litres (US gal)	15.5 (4.1)
Coolant	litres (US gal)	17.6 (4.7)
Hydraulic oil (steering)	litres (US gal)	6.5 (1.72)
Sprinkler water	litres (US gal)	285 (75.2)

TYRES

Tyres / size	11.00 x 20 (Compactor)	
Air pressure	Mpa (ps)	0.2–0.6 (31–87)
Number of tyres front / rear	4 / 4	
Tyre overlap	50 (2)	
Tyre inflating system – Stepless adjustable air pressure operated from drivers stand on air lines.		



JCB Vibromax Compaction Equipment GmbH, PO Box 230149, 40087 Düsseldorf, Germany, Erkrather Straße 343, 40231 Düsseldorf, Germany. Tel: +49 (0) 2 11 - 9 86 63. Fax: +49 (0) 2 11 - 9 86 65 55. Web: <http://www.jcbvibromax.de>

JCB Vibromax America Inc, 2823 Carlisle-Avenue, Racine, WI, 53404, USA. Tel: +1 262-637-8111. Fax: +1 262-637-8211.

JCB Vibromax Singapore, Representative Office, 72 Pasir Ris Heights, Singapore 519279. Tel: +65 6583 8297. Tel: +65 6583 8301.

JCB cares for the environment. This paper has been produced without the use of elemental chlorine chemicals in the bleaching process.

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.



9999/5163 11/05 Issue 1

A Product
of Hard Work