

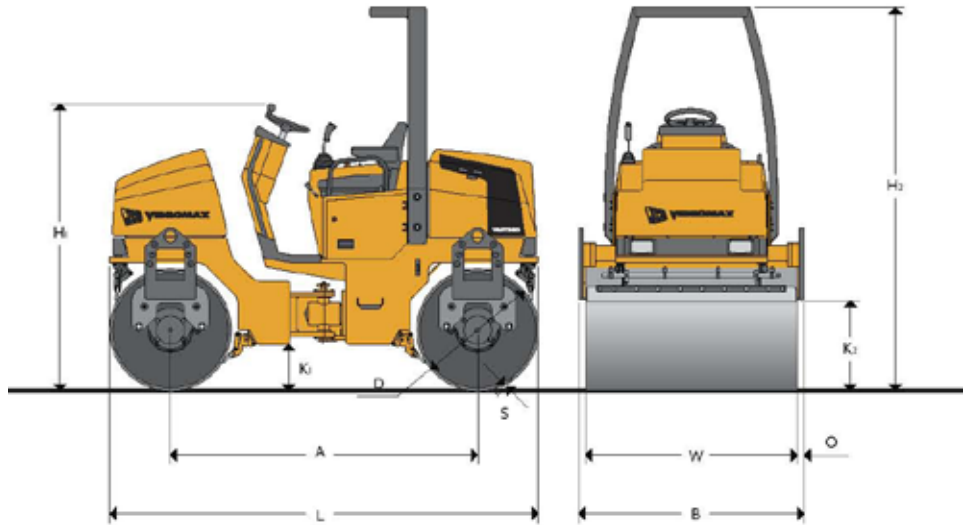


## COMPACTION EQUIPMENT

JCB VMT 390

JCB VIBROMAX – COMPACTION EQUIPMENT  
TANDEM VIBRATORY ROLLER VMT390/VMT400

DRUM WIDTH: 51.2in (1300mm) / 55.1in (1400mm)  
MAX. OPERATING WEIGHT: 8598lb (3900kg) 8774lb (3980kg)



## STATIC DIMENSIONS

Dimensions in inches (mm)	
<b>A</b> Wheelbase	79.9 (2300)
<b>B</b> Overall width	54.7 (1390) / 58.7 (1490)
<b>D</b> Drum diameter	31.5 (800)
<b>H</b> Total travel clearance	99.6 (2530)
<b>H1</b> Height to top of seat	74.6 (1895)
<b>K1</b> Ground clearance	12 (305)
<b>K2</b> Curb clearance	23.6 (600)
<b>L</b> Total travel length	111.4 (2830)
<b>O</b> Overhang	1.8 (45)
<b>S</b> Drum thickness	0.7 (17)
<b>W</b> Drum width	51.2 (1300) / 55.1 (1400)

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## OPTIONAL DUAL FREQUENCY

Vibration stage		VMT390		VMT400	
		1	2	1	2
Exciter frequency	vpm (Hz)	3000 (50)	3300 (55)	3000 (50)	3300 (55)
Nominal amplitude	in (mm)	0.022 (0.56)	0.013 (0.33)	0.022 (0.56)	0.013 (0.33)
Centrifugal force per drum	lbf (kN)	11915 (53)	6969 (31)	12814 (57)	7419 (33)
Centrifugal force / drum width	lbf/in (N/cm)	233 (408)	136 (238)	232 (407)	135 (236)

## ENGINE

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

Make		Kubota
Model		V2203
Piston displacement	in <sup>3</sup> (cm <sup>3</sup> )	134 (2197)
Performance – DIN 6271	hp (kW)	46.6 (34.3)
Operating speed	rpm (min <sup>-1</sup> )	2800 (2800)
Starting device		Electric motor
Air cleaner		Dry cartridge plus safety cartridge
Fuel filter		Cartridge
Fuel consumption	gal (h)	2.25 (8.5)

## PROPULSION

Hydrostatic with variable displacement pump and fixed displacement motors with direct drive to both drums.

## EXCITER DRIVE

Electrically controlled hydrostatic direct drive on both drums.

## EXCITER

Single-shaft circular exciter.

## STEERING SYSTEM

Servo-assisted center articulation with oscillation.

## SERVICE CAPACITIES

Fuel	US gal (liters)	20.1 (76)
Engine oil (engine)	US qt (liters)	10 (9.5)
Gear oil (each exciter)	US qt (liters)	*see below
Hydraulic oil (system)	US gal (liters)	15.9 (60)
Sprinkler water	US gal (liters)	79.3 (300)

\*390 - 84 qt (8 liters) 400 - 13 qt (1.2 liters)

## BRAKING SYSTEM

**Service brake:** Hydrostatic propulsion system.  
**Parking brake:** Hydrostatically released multi-disc brake on both drums.  
**Safety brake:** Safety switch parking brake, operator's seat (optional).

## ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	88
Alternator	V (A)	14 (max. 45)

## INDICATORS AND SWITCHES

Fuel, battery charging current, starter lock, vibration, sprinkler system, parking brake, hour meter, engine oil pressure, air and hydraulic oil filter condition.

