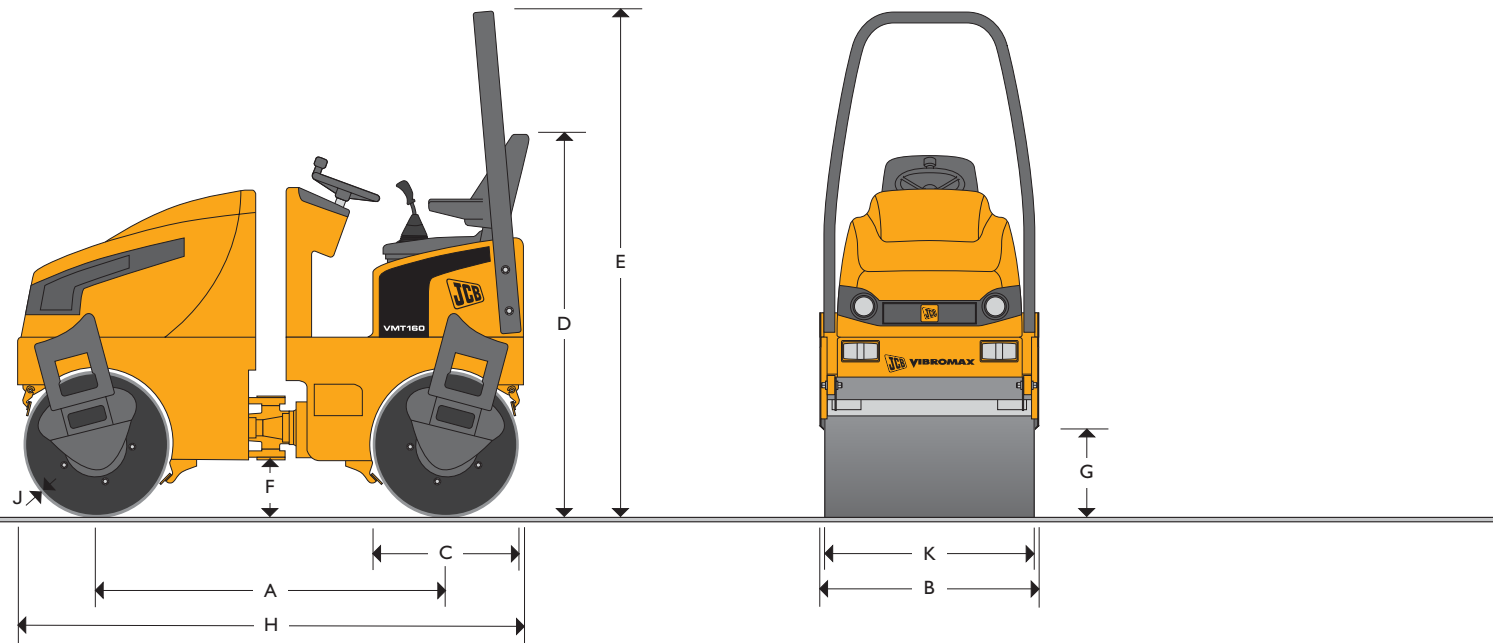




JCB VIBROMAX – COMPACTION EQUIPMENT TANDEM VIBRATORY ROLLER VMT 160



DRUM WIDTH: 800mm – 1000mm (31.5in – 39.4in)
OPERATING WEIGHT: 1600kg – 1700kg (3527lb – 3747lb)



STATIC DIMENSIONS

Dimensions in millimetres (in)	VMT 160-80	VMT 160-90	VMT 160-100
A Wheelbase	1350 (53.1)	1350 (53.1)	1350 (53.1)
B Overall width	880 (34.6)	980 (38.6)	1080 (42.5)
C Drum diameter	580 (22.8)	580 (22.8)	580 (22.8)
D Height to top of seat	1600 (63)	1600 (63)	1600 (63)
E Height to top of ROPS	2320 (91.3)	2320 (91.3)	2320 (91.3)
F Ground clearance	290 (11.4)	290 (11.4)	290 (11.4)
G Curb clearance	350 (13.8)	350 (13.8)	350 (13.8)
H Total travel length	2140 (84.2)	2140 (84.2)	2140 (84.2)
J Drum thickness	12 (0.47)	12 (0.47)	12 (0.47)
K Drum width	800 (31.5)	900 (35.4)	1000 (39.3)

OPERATING DATA

		VMT 160-80	VMT 160-90	VMT 160-100
Operating weight	kg	1600	1650	1700
Working width	mm	800	900	1000
Operating linear load	kg/cm	10	9.2	8.5
Exciter frequency	Hz	50 ... 66	50 ... 66	50 ... 66
Nominal amplitude	mm	0.5	0.5	0.5
Centrifugal force (each drum)	kN	9.2 ... 18	9.2 ... 18	9.2 ... 18
Max. Working speed	km/h	0 ... 9	0 ... 9	0 ... 9
Drum offset left / right – manual (option)	mm	65	65	65
Steering angle	°	±30	±30	±30
Oscillation angle	°	±8	±8	±8
Inner turning radius	mm	2120	2070	2020
Gradeability with vibration up to	° (%)	17 (30)	17 (30)	17 (30)
Gradeability without vibration up to	° (%)	22 (40)	22 (40)	22 (40)



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ENGINE

Make	KUBOTA	
Model	D1005	
Type	3 cylinder, water-cooled, four-stroke diesel engine	
Piston displacement	cm ³	1001
Performance	kW (hp)	17 (23)
Operating speed	min ⁻¹ (rpm)	3000
Starting device	Electric motor	
Air cleaner	Dry cartridge plus safety cartridge	
Fuel filter	Cartridge	
Fuel consumption	l/h	2.5

PROPULSION

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

EXCITER DRIVE

Electrically controlled hydrostatic direct drive on both drums for double vibration or single vibration front or rear; AVC (automatic vibration control).

EXCITER

Single-shaft circular exciter.

STEERING SYSTEM

Servo assisted, maintenance free center articulation with oscillation facility, front and rear winching points.

SERVICE CAPACITIES

Fuel	litres	45
Sprinkler water	litres	125

BRAKING SYSTEM

Service brake: Hydrostatic propulsion system.
Parking brake: Hydraulically released brake on both drums (SAHR).

ELECTRICAL SYSTEM

Working lights, backup alarm, safety switch in operators seat.

Voltage	V	12
Battery capacity	Ah	66
Alternator	A	40

SPRINKLER/SCRAPER

Pressurized sprinkling system, Spring loaded retractable scraper (two each drum), changeable nozzles, multiple water filtering.

DRIVERS STAND/INSTRUMENTS

Fuel, battery charging current, sprinkler system, parking brake, hour meter, engine oil pressure, air filter condition, hydraulic oil level and temperature, water level indicator, cup holder, comfortable adjustable operator seat.

OPTIONS

ROPS (standard at CE), foldable ROPS, Total Side Clearance (TSC) operation (160-80 & 160-90), drum offset, lights for road traffic, flashing beacon, battery isolating switch, central lifting eye, driver seat with arm rests.



A Product
of Hard Work