



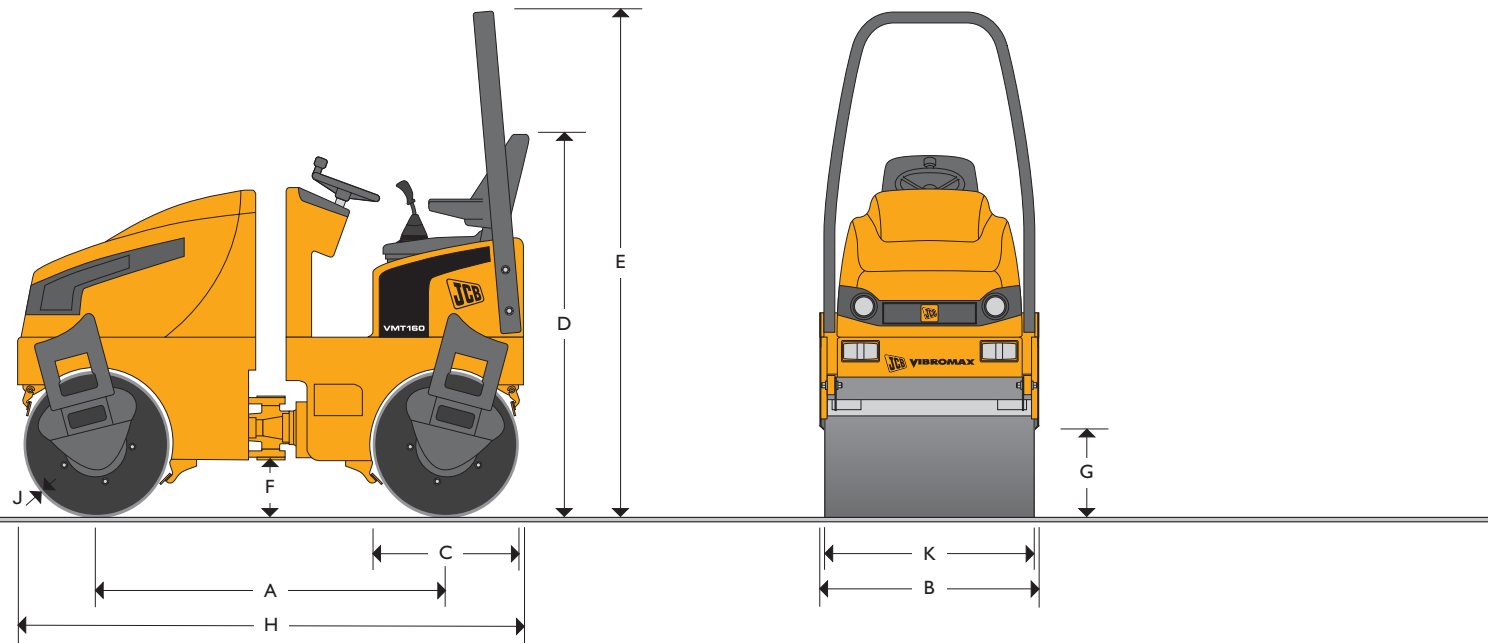
JCB VIBROMAX – COMPACTION EQUIPMENT
TANDEM VIBRATORY ROLLER VMT 160

Atrasan
alquiler y venta de maquinaria



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) |



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.