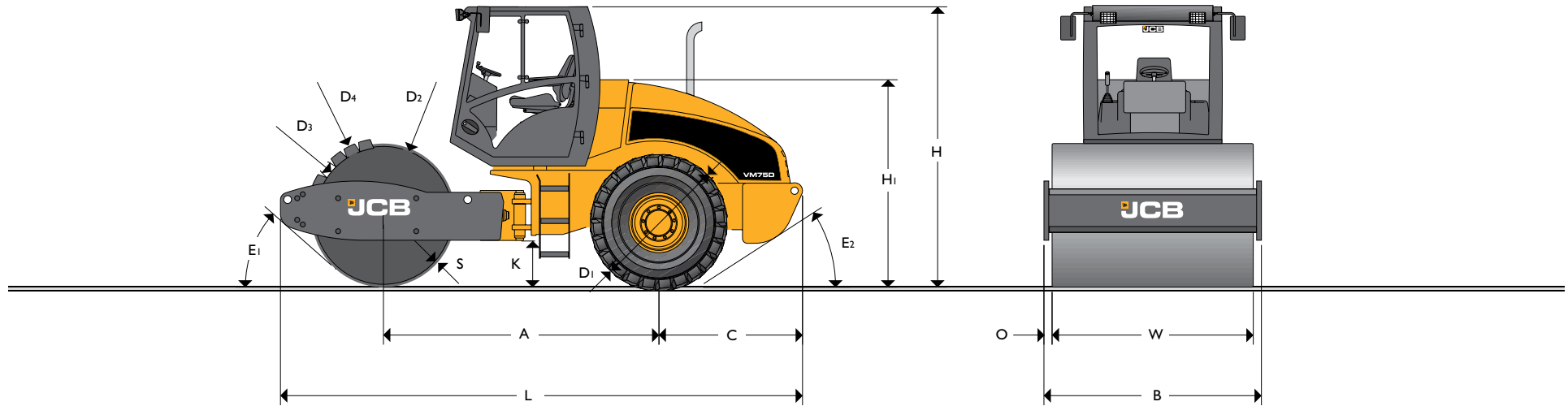


DRUM WIDTH: 1750mm (68.9in) OPERATING WEIGHT: 7300kg (16094lb) / 7600kg (16755lb)



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) | 7660 (16887) | | 7960 (17548) | |
| Operating axle load front / rear | kg (lb) | 3960 (8730) / 3700 (8157) | | 4260 (9391) / 3700 (8157) | |
| Operating linear load front | kg/cm (lb/in) | 22.6 (127) | | | |
| 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 3 |
|---------------------|------------------------------------|-------------------------------------|
| Make | | JCB Power Systems |
| Model | | Diesemax 63 TC |
| Piston displacement | cm ³ (in ³) | 4399 (268) |
| Performance | kW (hp) | 63 (84) ISO14396 |
| Operating speed | min ⁻¹ (rpm) | 2200 (2200) |
| Starting device | | Electric motor |
| Air cleaner | | Dry cartridge plus safety cartridge |
| Fuel filter | | 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.

