

ENGINE

Make	Cummins BTA 3.3-C80
Type	Tier 3 Certified Turbocharged/Charge air-cooled
Rated horsepower	80 hp (60 kW) @ 2100 rpm
Fuel consumption	0.9 gal/hr (3.5 L/hr)

ELECTRICAL

Voltage	12 Volts
Batteries	1 x 12-volt
AMP hour	100
Cold cranking amps	640

STEERING

Steering type	Gear pump
Cylinders	1
Steering angle (+/-)	34°
Oscillation (+/-)	8°
Inside turning radius	15.1 ft (4.6 m)
Crab mode (+/-)	7.0 in (180 mm)

WEIGHT

Operating weight	16,226 lbs (7360 kg)
Front drum weight	8,267 lbs (3750 kg)
Rear drum weight	7,959 lbs (3610 kg)
Front drum linear load	145 lb/in (25.9 kg/cm)
Rear drum linear load	139 lb/in (24.9 kg/cm)
Drums have tapered edge	

TRAVEL

Drive	Hydrostatic
Variable displacement axial piston type drum drive pump	1
Hydraulic fixed displacement drum drive motors	2
Drive brake	Hydrostatic
Emergency brake	Multi-disc
Parking brake	Multi-disc
Maximum working speed	7.1 mph (11.4 km/hr)
Maximum travel speed	7.1 mph (11.4 km/hr)
Gradeability (vibration on)	20°
Gradeability (vibration off)	30°
Curb clearance	29.8 in (755 mm)

VIBRATION

Hydraulic circuit type	Closed center
Pump type	Gear
Fixed displacement hydraulic motor	2
Vibration	Eccentric
Frequency	
Low	2580 vpm (43 Hz)
High	3120 vpm (52 Hz)
Amplitude	
Low	0.013 in (0.33 mm)
High	0.024 in (0.6 mm)
Centrifugal force	
Low	12,365 lbs (48 kN)
High	14,613 lbs (65 kN)

ISOLATION DRUM MOUNTS

Numbers of isolation	
Front left (drive motor side)	6
Front right (vibrating motor side)	4
Rear right (drive motor side)	4
Rear left (vibrating motor side)	6

PRESSURIZED WATERING SYSTEM

Front water tank	172 gal (650 L)
Water filtration stages	3
Watering pumps	2
Tank type	Polyethylene
Water tank level	LED indicator

CAPACITIES

Fuel tank	29 gal (110 L)
Engine oil	1.7 gal (6.5 L)
Hydraulic reservoir	10.6 gal (40 L)
Vibration system (each)	0.48 gal (1.8 L)

OPERATORS COMPARTMENT

Heavy duty isolation mounts insulated from the chassis, handrail, instrument panel with anti-vandal covers, exceptional front/rear visibility. ROPS protection, single-lever speed and direction control with vibration on/off control, multi-position seating, adjustable steering wheel, speed selector, dual-mode vibratory system, side-mount mirrors (left and right).

MAXIMUM COMPACTED LIFT THICKNESS

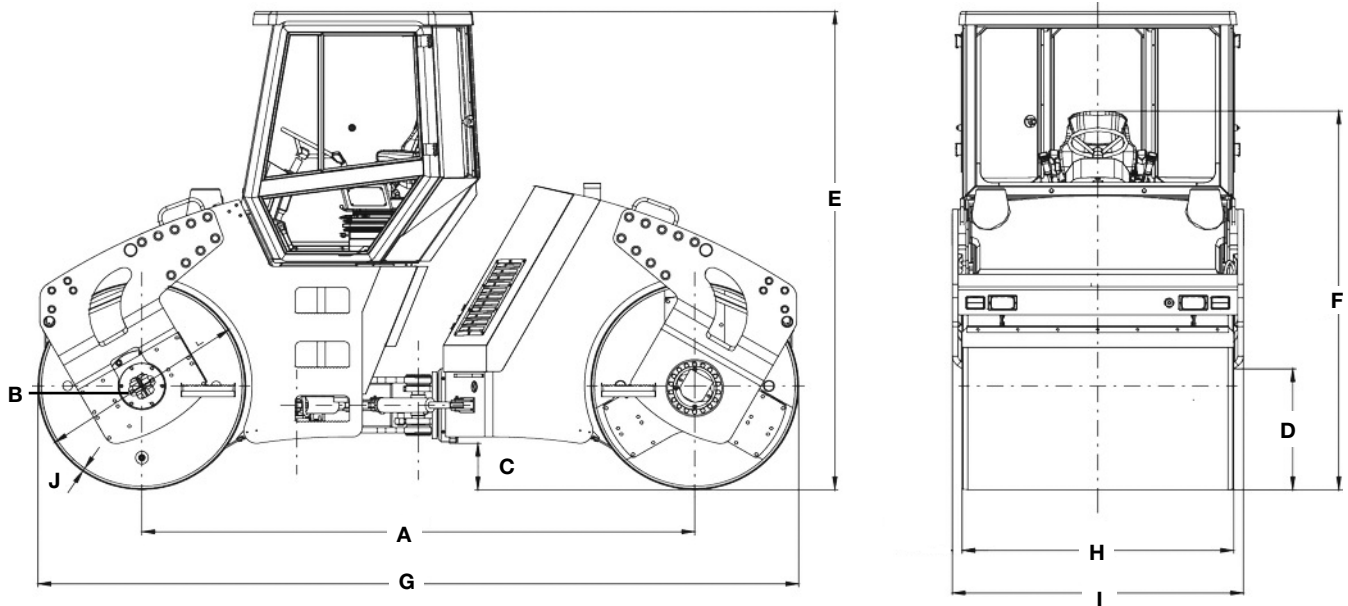
Sand/gravel	11.8 in (300 mm)
Mixed soils	7.9 in (200 mm)
Asphalt	4.7 in (120 mm)

STANDARD EQUIPMENT

Fixed ROPS Open Platform with hand rails
Anti-vandal cover
Halogen worklights x 4 (55 watt/front and rear)
Turn signal indicator (left and right)
Hydrostatic drive for both drums
Dual vibration
Front/dual/rear drum vibration control
Auto vibration stop switch in neutral
Articulated chassis
Hydraulic oil cooler
Backup alarm
Retractable seat belt – 2 in (51 mm)
Lateral shifting suspension seat with foldable arms
Pressurized water system
Machined tapered drum edges
Water filtration – 3 stage
Master disconnect switch
Horn
Hourmeter
Emergency stop button
Lift and tie down provision – 4-point
Watering system drains
Electric fuse protection
Steering wheel spinner knob
Spin-on fuel, engine oil and hydraulic filters
Tool box
Vertical lift hood
Indicator lights:
 Battery
 Engine oil pressure
 Intake preheater
 Engine temperature
 Parking brake
 Vibration ON/OFF
 Sprinkler system ON/OFF

OPTIONAL EQUIPMENT

High frequency vibration
(2880 vpm – 48 Hz/3720 vpm – 62 Hz)
Rotating beacon
Front and rear work lights
(ROPS or cab mounted)
Cab with heat and air conditioning
Edge cutter
Radio ready
(no radio/two speakers and antenna)
Tiltable scrapers



DIMENSIONS

A. Wheelbase	128.4 in (3260 mm)
B. Drum diameter	45.3 in (1150 mm)
C. Ground clearance	9.5 in (240 mm)
D. Curb clearance	29.8 in (755 mm)
E. Overall height	116.1 in (2950 mm)
F. Seat height	90.6 in (2300 mm)
G. Overall length	174 in (4410 mm)
H. Drum width	57 in (1450 mm)
I. Overall width	60.6 in (1540 mm)
J. Drum thickness	0.6 in (15 mm)



NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

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