

# DUAL DRUM COMPACTOR

# CASE

CONSTRUCTION

SINCE 1842.

## DV207

### ENGINE

Manufacturer	Cummins BTAA 3.3-C80
Type	Tier 3 Certified Turbocharged/Charge air-cooled
Rated power	80 hp (60 kW) at 2100 rpm

### ELECTRICAL SYSTEM

Voltage	12 V
Batteries	1 x 12 V
A/h	100
Cold cranking amps	640

### STEERING

Type	Gear pump
Cylinders	1
Steering angle (+/-)	34°
Oscillation (+/-)	8°
Inside turning radius	4.6 m (15.1')
Crab mode (+/-)	180 mm (7")

### WEIGHT

Operating weigh	7,360 kg (16,226 lb)
Front drum weight	3,750 kg (8,267 lb)
Rear drum weight	3,610 kg (7,959 lbs)
Front drum linear load	25.9 kg/cm (145 lb/in)
Rear drum linear load	24.9 kg/cm (139 lb/in)
Drums have tapered edge	

### TRAVEL

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

### VIBRATION

Hydraulic circuit type	Closed center
Pump type	gear
Fixed displacement hydraulic motor	2
Vibration	Eccentric
Frequency –	
Low	43 Hz (2,580 vpm)
High	52 Hz (3,120 vpm)
Range –	
Low	0.33 mm (0.013")
High	0.60 mm (0.024")
Centrifugal force –	
Low	48 kN (12,365 lbs)
High	65 kN (14,613 lbs)

### ISOLATION DRUM MOUNTS

Number of isolates	
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	650 L (172 gal)
Water filtration stages	3
Watering pumps	2
Tank type	Polyethylene
Water tank level	Indicator LED

### CAPACITY

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

### 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	300 mm (11.8")
Mixed soils	200 mm (7.9")
Asphalt	120 mm (4.7")

## STANDARD EQUIPMENT

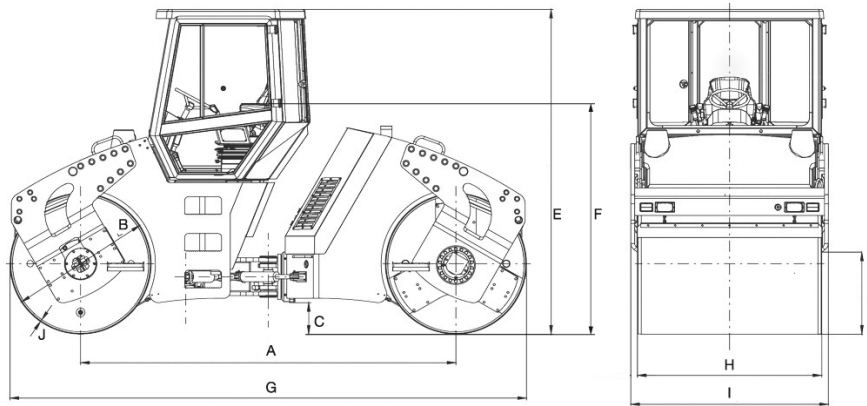
Fixed ROPS Open Platform with hand rails  
 Anti-vandal cover  
 Halogen worklights x 4 (55 watt/ front and rear)  
 Turn signal indicator (left and right)  
 Hydrostatic drive for both drums  
 Dual vibration  
 Front/dual / rear drum vibration control  
 Auto vibration stop switch in neutral  
 Articulated 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  
 Tilttable scrapers

## DIMENSIONS



<b>A.</b> Wheelbase	3,260 mm (128.4")
<b>B.</b> Drum diameter	1,150 mm (45.3")
<b>C.</b> Ground clearance	240 mm (9.5")
<b>D.</b> Curb clearance	755 mm (29.8")
<b>E.</b> Overall height	2,950 mm (116.1")
<b>F.</b> Seat height	2,300 mm (90.6")
<b>G.</b> Overall length	4,410 mm (174")
<b>H.</b> Drum width	1,450 mm (57")
<b>I.</b> Overall width	1,540 mm (60.6")
<b>J.</b> Drum thickness	15 mm (0.6")



**SiteWatch™** Fleet management and monitoring system by satellite or cell phone tracking.

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