

DUAL DRUM COMPACTOR

CASE

CONSTRUCTION

SINCE 1842.

DV210

ENGINE

Manufacturer	Cummins QSB 3.3 – C99
Type	Tier III Certification Turbocharged after cooled
Rated power	99 hp (74 kW) at 2200 rpm

ELECTRICAL SYSTEM

Voltage	12 V
Batteries	1
A/h	100
Cold Cranking Amps (CCA)	640

STEERING

Pump type	Gear
Steering cylinders	2
Steering angle (+/-)	36°
Oscillation angle (+/-)	6°
Inside turning radius	15.3 ft (4,650 mm)
Outside turning radius	20.75 ft (6324 mm)

WEIGHT

Operating weigh	22,928 lb (10,400 kg)
Weight the front drum	11,574 lb (5,250 kg)
Weight the rear drum	11,354 lb (5,150 kg)
Front drum linear load	170 lb/in 30.9 kg/cm
Rear drum linear load	167 lb/in 30.3 kg/cm

TRAVEL

Drive	Hydrostatic
Drive motor pump	Variable displacement axial piston
Drive motors (dual)	1 x each drum
Service brake	SAHR
Emergency brake	multi-disc
Parking brake	multi-disc
Maximum speed	12 km/h (7.4 mph)
Gradeability	40°

VIBRATORY SYSTEM

System design	Closed center
Pump type	Gear
Fixed displacement hydraulic motor	2
Vibration	Eccentric
Frequency –	
Low	2,700 vpm (45 Hz)
High	3,180 vpm (53 Hz)
Amplitude –	
Low	0.014 in (0.35 mm)
High	0.028 in (0.70 mm)
Centrifugal force –	
Low	17,256 lbs (77 kN)
High	24,651 lbs (110 kN)

WATER SYSTEM

Water tank	1000 L (264 gal)
Filtration stages	3
Pumps	2
Water tank	Polyethylene

CAPACITY

Fuel tank	208 L (55 gal)
Engine oil	7 L (1.85 gal)
Hydraulic reservoir	56 L (14.8 gal)
Vibration system (each drum)	5 L (1.32 gal)

OPERATOR'S COMPARTMENT

Iso-mounted operator's platform
Multi-position shifting suspension seat w/
foldable armrests
Adjustable steering column
Single lever speed and direction control with
vibration on/off control
Speed selector
Smooth start and stop
Return to center (offset)
Vandal protection
Handrails
Tool box
2 in. retractable seat-belt
Emergency stop button
Seat safety switch

MAXIMUM COMPACTED LIFT THICKNESS

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

Actual may vary based on operating conditions

STANDARD EQUIPMENT

Fixed ROPS / FOPS Canopy
Articulated chassis
Cummins QSB 3.3-C99 / Tier-3 engine
Hydrostatic drive for both drums
Vulcollon drum scrapers (fixed)
Machined tapered drum edges
Vertical lift hood
Spin on fuel, engine oil and hydraulic filters
Master disconnect switch
4-point lift and tie down provision
Worklights with turn signals
Back-up alarm
Brake release
Drum offset

INSTRUMENT PANEL

Horn
Hour meter
Idle switch
Throttle control
Manual or auto vibration control
Water tank level LED indicators
Fuel tank level LED indicators

INDICATOR LIGHTS

Battery
 Engine oil pressure
 In-take preheater
 Engine temperature
 Parking brake on - off
 Sprinkler system on - off

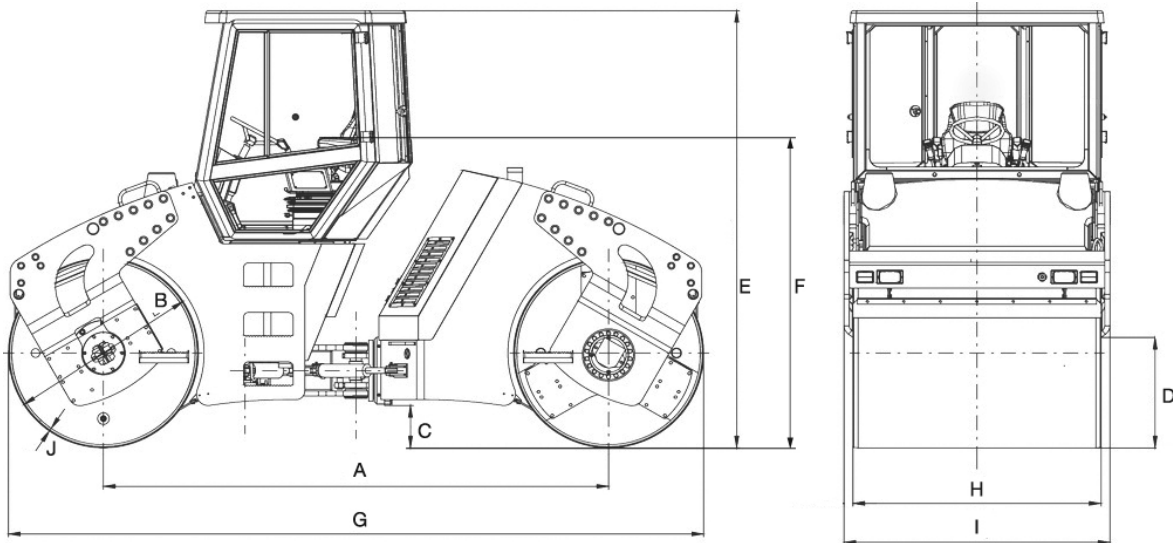
MONITOR DISPLAY PANEL

Engine RPM
 Engine hours
 Fuel rate
 System voltage
 % engine load at current RPM
 Coolant temperature
 Oil pressure
 Fuel economy
 Current fuel consumption
 Active service codes

OPTIONAL EQUIPMENT

Cab w/ heat and ventilation
 Cab air-conditioning
 Radio mounting w/ 2 speakers and antenna
 (no radio)
 Rotating beacon
 Edge cutter
 Tilttable scrapers (front and rear)
 Infrared thermometer
 Cab mounted work lights
 3 in. retractable seat-belt

DIMENSIONS



A. Wheelbase	3.460 mm (11' 4")
B. Drum diameter	1.300 mm (51")
C. Ground clearance	290 mm (11.4")
D. Drum offset	160 mm (6")
E. Overall height	3.000 mm (9' 8")
F. Seat height	2.300 mm (90.6")
G. Overall length	4.760 mm (15' 7")
H. Drum width	1.700 mm (66")
I. Overall width	1.822 mm (71")
J. Drum thickness	22 mm (0.87")

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

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