

VIBRATORY ROLLER WITH TIER III CERTIFICATION

ENGINE

Manufacturer	Cummins QSB 3.3 – C99
Type	Tier III Certification Turbocharged after cooled
Rated power	99 hp (74 kW) at 2200 rpm
Fuel consumption	2.7 gal/hr (10.1 L/h)

ELECTRICAL SYSTEM

Voltage	12 V
Batteries	1
Ah	100
Cold Cranking Amps (CCA)	640

STEERING

Type	Gear pump
Cylinders	1
Steering angle (+/-)	35°
Swing (+/-)	6°
Inside turning radius	15.3 ft (4,650 mm)
Crab mode (+/-)	6.3 in (160 mm)

WEIGHT

Operating weight	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
The drums have chamfered edges	

DRIVE

Transmission	hydrostatic
Axial piston pump variable displacement in each roller	2
Hydraulic motors, fixed displacement in each roller	2
Brake	hydrostatic
Emergency brake	multi-disc
Park brake	multi-disc
Maximum working speed	11 km/h (6.8 mph)
Ground speed, maximum	11 km/h (6.8 mph)
Gradeability with vibration driven	25°
Gradeability with vibration off	40°
Distance from the guide to the floor	29.9 in (760 mm)

VIBRATION

Type of hydraulic circuit	Closed
Pump type	gear
Fixed displacement hydraulic motor	2
Vibration	Eccentric
Frequency –	
Low	2,700 vpm (45 Hz)
High	3,180 vpm (53 Hz)
Range –	
Low	0.014 in (0.35 mm)
High	0.028 in (0.70 mm)
Centrifugal force –	
Low	17,310 lb (77 kN)
High	24,729 lb (110 kN)

SPRAYING SYSTEM PRESSURIZED

Water front tank	1000 L (264 gal)
Water filtration stages	3
Spraying pumps	2
Tank type	Polyethylene, corrosion proof, two fillers, drain system
Water tank level	Indicator LED

CAPACITY

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

OPERATOR'S STATION

Isolated chassis with heavy duty mounts, handrails, instrument panel with vandal-proof covers, front / rear exceptional visibility, ROPS, only lever speed and direction with vibration control button on / off, multi-position seat, adjustable steering wheel, two modes in the vibration system, rear view mirrors (left and right).

MAXIMUM THICKNESS OF LAYER TO COMPACT

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

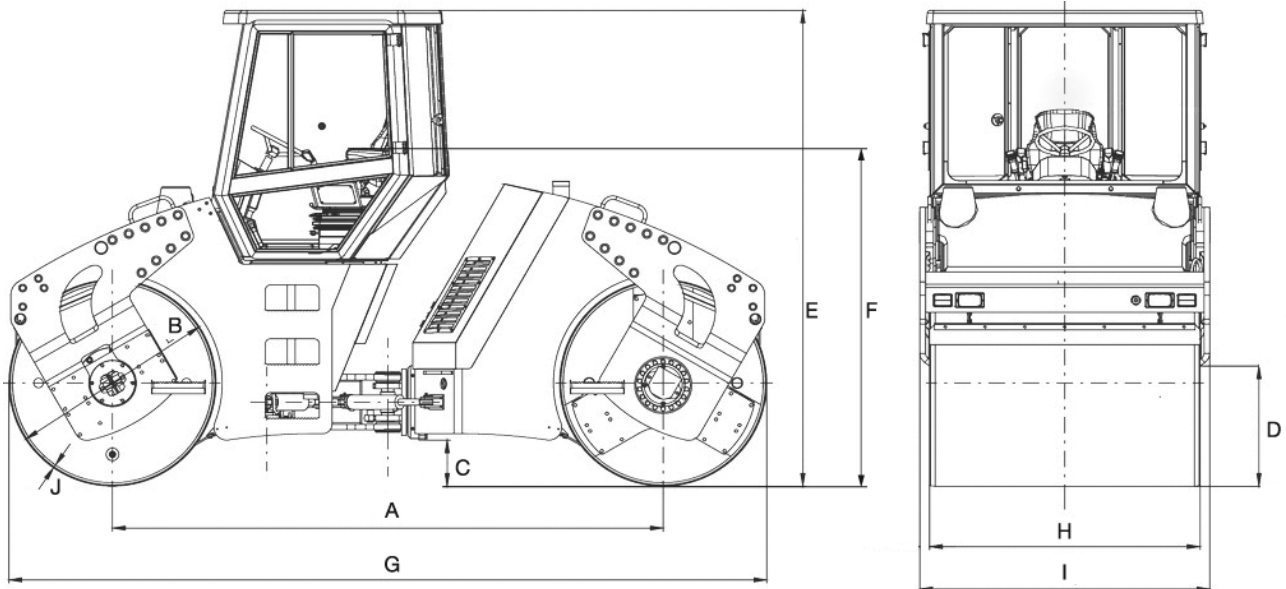
STANDARD EQUIPMENT

ROPS canopy with fixed handrails
Vandal-proof protection
4 halogen headlights (55 W front and rear)
Low beam (left/right) Hydrostatic transmission for both rollers
Double vibration system
Vibration control to choose; front roller, both or rear roller
Automatic shutdown switch vibration in neutral
Articulated chassis
Hydraulic oil cooler Reversing alarm
Retractable seat belt – 2 in (51 mm) Suspension seat with lateral movement and folding armrests
Pressurized water system Rollers on the edges chamfered Filtered water – 3 stages Disconnect switch Horn
Hourmeter
Emergency stop button
4 predisposing points for lifting Water tank with drain
Electrical fuse protection Steering wheel knob
Threaded fuel filters, engine oil and hydraulic
Toolbox Hood with side lift Warning lights
Battery
Engine oil pressure Admission preheater Engine temperature
Parking brake
Vibration on/off
Sprinkler system on/off

OPTIONAL EQUIPMENT

Rotating beacon
Front and rear headlights (mounted on ROPS or cab)
Cab with heating and air conditioning Edge cutter
Radio
Folding scrapers

DIMENSIONES



A. Wheelbase	136.2 in (3,460 mm)
B. Drum diameter	51.2 in (1,300 mm)
C. Ground clearance	12.2 in (310 mm)
D. Distance from the guide to the floor	29.9 in (760 mm)
E. Overall height	118.9 in (3,020 mm)
F. Seat height	92.5 in (2,350 mm)
G. Overall width	187.4 in (4,760 mm)
H. Drum width	66.9 in (1,700 mm)
I. Overall width	71.7 in (1,822 mm)
J. Drum thickness	0.9 in (22 mm)

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XXX-XXXX-XXX – XX/2016 – Printed in Brazil

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