

VIBRATORY ROLLER

CASE

CONSTRUCTION

SINCE 1842.

SV212

ENGINE

Manufacturer	Cummins with Tier III certification
Type	QSB 4.5
Gross horsepower	148 hp (110 kW)

ELECTRICAL SYSTEM

Voltage	24 V
Batteries	2 - 100 A
Alternator	45 A

STEERING

Gear pump	1
Cylinders	2
Angle (left/right)	36°
Oscillation angle	10°
Inside turning radius	3.05 m (10.0 ft)
Outside turning radius	5.37 m (17.6 ft)

WEIGHT

WEIGHT – Smooth drum	
Operating weight	11 580 kg (25,530 lbs)
Max. weight	11 660 kg (25,710 lbs)
Drum weight	7354 kg (16,212 lbs)
Static linear load	32.4 kg/cm (182 lb/in)
Tire ballast	1200 kg (2,646 lbs)

WEIGHT – Padfoot drum	
Operating weight	12 188 kg (26,870 lbs)
Max weight	12 270 kg (27,050 lbs)
Tire ballast	1200 kg (2,646 lbs)

TRAVEL

Hydraulic circuit type	Closed
Variable displacement axial piston type wheel drive pump	1
Hydraulic fixed displacement wheel drive motors	2
Drive motor interlock	Yes
Hydraulic variable displacement drum drive motor	1
F/R travel speed range	4
Work speeds:	
1st (max.)	1.5 mph (2.5 km/h)
2nd (max.)	2.11 mph (3.4 km/h)
3rd (max.)	3.4 mph (5.5 km/h)
Maximum travel speed	6.9 mph (11.1 km/h)

Gradeability	45%
Transversal stability	36°

VIBRATION

Hydraulic circuit type	Closed
Variable displacement axial piston type pump	1
Fixed displacement hydraulic motor	1
Vibration	2 eccentric weights circular pattern / continuously adjustable
Vibration modes	2
Frequency	
Low	1920 VPM (32 Hz)
High	2100 VPM (35 Hz)
Amplitude	
Low	1.15 mm (.045 in)
High	1.85 mm (.073 in)
Centrifugal force	
Low	206 kN (46,310 lbs)
High	277 kN (62,250 lbs)

TIRES

Size	23.1 x 26 10PR
Smooth drum	Diamond or traction tread
Padfoot drum	Traction tread
Tire ballast	Traction tread only

CAPACITIES

Fuel tank	410 l (108 gal)
Engine oil	16.3 l (17.2 qt)
Engine coolant	25 l (26.4 qt)
Hydraulic reservoir	90 l (95 qt)
Transmission	4.2 l (4.4 qt)
Transmission axle	2.8 l (2.9 qt)
Vibration system	8 l (8.4 qt)

OPERATOR STATION

Isolated from chassis by flexible shock absorbers, handrail, dual rearview mirrors, front lighting, instrument panel anti-vandal guard. Vinyl suspension seat with armrests and 2 inch (51 mm) retractable seat belt. Exceptional front/rear visibility.

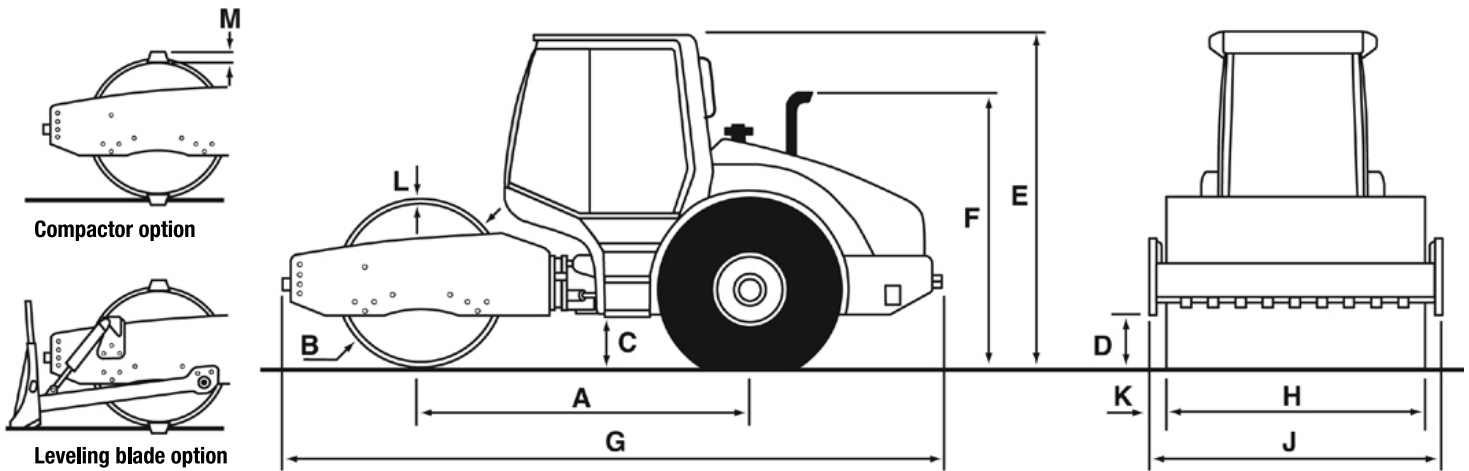
STANDARD EQUIPMENT

ROPS & FOPS protection
Hydrostatic drive for both drum and wheels
Dual amplitude vibration
Interwheel differential lock
Articulated chassis
Front and rear pull points
4 point lift and tie down provision
Fan guard
Backup alarm
Halogen work lights, 2F/2R
Auto-vibration control
Master disconnect switch
Spring applied, hydraulic release parking brake
3 working speeds / 1 transport speed
Single lever speed / direction control
Steering wheel spinner knob
Lockable tool box
Cup holder
Horn
Emergency stop button
Spin-on fuel, engine oil and hydraulic filters
LCD monitor

OPTIONAL EQUIPMENT

Traction Assist Systems
ASC-anti-slip control (smooth drum option only)
HD-heavy duty (includes ASC; smooth drum or padfoot drum)
HT-high traction (includes ASC; padfoot drum with leveling blade only)
Padfoot shell kit with scrapers
Pressurized cab with heat and ventilation
Air conditioning
Radio ready
Engine filter pre-cleaner
Electric engine hood tilt
3 in (76.2 mm) retractable seat belt
Compaction meter system (Voelkel)
Compaction meter printer
Side slope rollover warning system
Rotating beacon

DIMENSIONS



A. Wheelbase	2.9 m (113 in)
B. Drum diameter	
Smooth drum	1.5 m (59 in)
Padfoot drum	1.64 m (64.6 in)
C. Ground clearance	0.44 m (17.3 in)
D. Distance to the curb	0.3 m (17 in)
E. Overall height	3.07 m (121 in)
F. Muffler height	2.5 m (98 in)
G. Overall length	5.8 m (227 in)
Overall length w/ leveling plate	6.1 m (240 in)
H. Drum width	2.13 m (84 in)
J. Overall width	2.25 m (88.9 in)
K. Frame extensions	0.11 m (4 in)
L. Drum thickness	0.025 m (1 in)
M. Padfoot height	100 mm (3.9 in)



SiteWatch™

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

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