

Single Drum Vibratory Rollers

BW213-40 Series



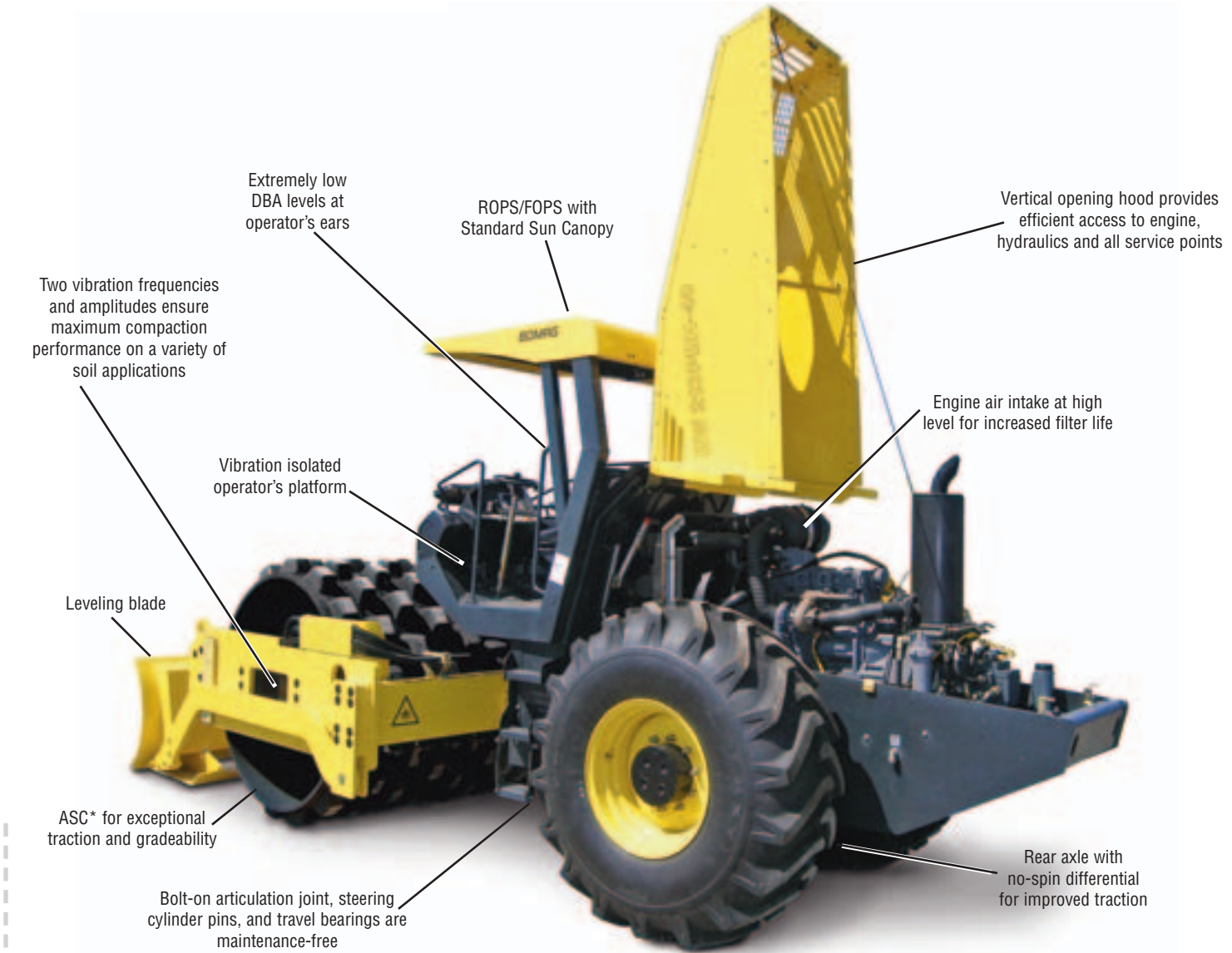
MODEL	Compaction Output (cu. yd/h) at recommended soil layer/lift thickness. *			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
BW213DH-40	693.2 - 1386.4	470.9 - 941.7	353.1 - 706.3	274.7 - 549.3
BW213PDH-40	693.2 - 1386.4	470.9 - 941.7	353.1 - 706.3	274.7 - 549.3

MODEL	Compaction Layer Thickness (in).*			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
BW213DH-40	35.4	23.6	17.7	9.8
BW213PDH-40	35.4	23.6	17.7	11.8

* Compaction output influenced by soil/material type and moisture content.



BW213-40 series



■ *The high production answer to your 84" compaction needs...*

The BOMAG BW213-40 series provides features that deliver jobsite versatility and excellent soil compaction performance. The smooth drum BW213DH-40 model is designed essentially for compaction of granular and mixed soils. The padfoot BW213PDH-40 model is best suited for compaction of cohesive and semi-cohesive soils. Two vibration frequencies and two amplitudes, combined with high optimum centrifugal forces offer profitability and superb productivity for various jobsite applications.

■ Applications:

- Highway construction and maintenance
- Driveways
- Parking lots
- Landfill



Designed specifically for soil compaction.

Featuring...



Maintenance-free, rugged, oscillating-articulation joint bolted on the outside of the front and rear frames

Operation - Comfortable, Easier and Safer

- Vibration Isolated Operators platform
- Extremely low noise levels at operators ears even with vibration
- Multi-position, adjustable seat
- Optional Swivel Seat
- Reduced Stop to stop steering input
- Operator controls are strategically and ergonomically placed
- Easy single lever control for both travel direction, speed and vibration

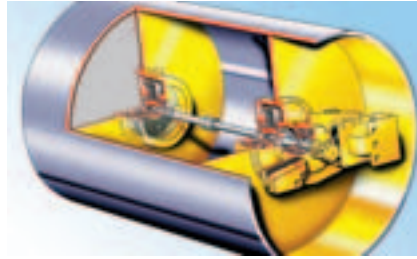
Maximum Productivity

- Superb compaction performance allows achievable density with thicker lifts or less passes yielding better ROI
- High PLI, Centrifugal Forces, and Amplitudes
- Wider Clearance between frame and drum combined with dual scrapers prevents material build up.
- ASC System* monitors slip potential between drum and rear tires to maximize traction and gradeability.
- Low emission, Tier III Diesel engine and high output drum drive provide improved traction performance.

Less Service & Maintenance:

The purchase price is important, but so are the operating costs. Check these features:

- Maintenance Free Bolt On articulation joint, steering cylinder pins, and travel bearings eliminates daily grease points
- Quick access to all service and maintenance points in the engine compartment.



Standard dual amplitude and frequency enhances machines versatility

- Central drain points for engine and hydraulic oils, and for engine coolant
- Spring-Applied Hydraulically-Released (SAHR) brakes are maintenance free
- Recessed frame bolts reduce bolt head shearing and repair costs
- Engine Cooling Air Flow reduces radiator maintenance and dust creation from the jobsite
- Large filters for fuel, air, and oil give better protection to key components
- Corrosion Free plastic Fuel Tank
- BOMAG Hydraulic filter system extends hydraulic oil and filter change intervals to 2000 working hours or 2 years

Innovative Options:

Compaction Measuring and/or Control Systems display real time soil load bearing results avoiding over-compaction and reducing the number of rolling passes.

- BOMAG Evib Meter (BEM) – Analog gauge display of Evib values.
- BOMAG BTM Prof – Measuring system controls and documents the compaction process. Operator can view results on LCD Display and Document results via onboard printer
- BOMAG BCM05 Compaction management system used in conjunction with the BTM Prof, controls and documents the compaction process as well as allowing intelligent compaction data management.

Padfoot and Smooth Shell Kits allow the roller to be quickly adapted to changing jobsite applications.



Ergonomic layout of instrument panel



Excellent all around visibility for maximum safety.



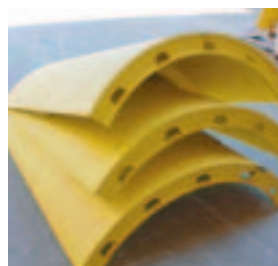
Individually changeable rubber buffers with no special tools or disassembly of the drum required



BTM shows the soil load bearing results in real time.



Padfoot Shell Kit for smooth drum equipped rollers.



Smooth Shell Kit for padfoot drum equipped rollers.



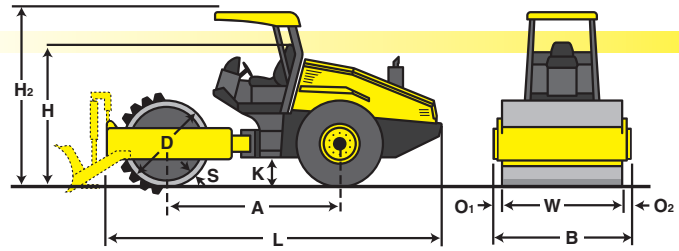
Optional EROPS cabin with available heating and air conditioning

Technical Specifications

BW213-40 Series

Shipping dimensions

in cubic feet (m ³)	without/with ROPS/FOPS	
BW213HD-40	1053 (29.8)	1379 (39)
BW213PDH-40	1053 (29.3)	1379 (39)



Dimensions in inches (mm)

	A	B	D	H	H ₂	K	L	O ₁	O ₂	S	W
BW213DH-40	116.6 (2960)	88.6 (2250)	59.1 (1500)	89.3 (2268)	117 (2972)	19.3 (490)	229.9 (5840)	2.4 (60)	2.4 (60)	1.4 (35)	83.9 (2130)
BW213PDH-40	116.6 (2960)	88.6 (2250)	58.3 (1480)	89.3 (2268)	117 (2972)	19.3 (490)	229.9 (5840)	2.4 (60)	2.4 (60)	1.0 (25)	83.9 (2130)

Standard Equipment

- Hydrostatic drum and vibration drive
- Dual frequencies and amplitudes
- Hydrostatic articulated steering
- No spin differential with Spring Applied Hyd. Rel. (SAHR) brakes
- Anti-slip Control (ASC)
- Bolt on oscillating, articulation joint
- Articulation lock
- Adjustable operators seat
- Single lever control for travel and vibration
- Drum scrapers
- Emergency stop
- Backup alarm & hour meter
- ROPS/FOPS sun canopy with seat belt
- Audible and /or Visual warning indicators
 - Engine oil pressure
 - Engine temperature
 - Hydraulic oil filter restriction
 - Air filter restriction
 - Brake control
 - Charge control

Optional Equipment

- Leveling blade (PDH)
- Working lights front/rear
- EROPS Cab with heating
- Air conditioning
- Padfoot drum segment kit (DH)
- Smooth drum segment kit (PDH)
- Swivel comfort seat
- Evib Meter (BEM)
- Terrameter (BTM Prof)
- BCM05 Compaction Management
- Front frame ballast (+ 1540lbs)
- Gauges: Speedometer, voltmeter, frequency, tachometer
- CD Radio (with cab option)
- Rotary beacon (permanent or portable)

Optional leveling blade is for surface profiling/contouring and backdragging of loose fill material only. This design is not intended to function as a device for excavation purposes.

Technical data

Weights

Operating Weight with ROPS/FOPS	lbs (kg)	26540 (12040)
Operating Weight with Blade	lbs (kg)	30385 (13785)
Axle load, drum	lbs (kg)	15315 (6945)
Axle load, drum with Blade	lbs (kg)	19996 (9070)
Axle load, wheels	lbs (kg)	11225 (5095)
Static linear load (drum)	pli (kg/cm)	182.9 (32.7)

Dimensions

Working width	in (mm)	83.9 (2130)
Track Radius, inner	in (mm)	142.3 (3615)

Driving Characteristics (depending on site conditions)

Speed (1)	mph (kmph)	0-2.2 (0-3.5)
Speed (2)	mph (kmph)	0-3.9 (0-6.5)
Speed (3)	mph (kmph)	0-7.5 (0-12)
Max. gradeability without/with vibration	%	55

Drive

Engine manufacturer	Cummins
Type	QSB 4.5
Cooling	water
Number of cylinders	4
Performance SAE J 1995	160 (119) hp (kW)
Speed	2200 rpm
Fuel	diesel
Electric Equipment	12 V
Drive System	hydrostatic
Drum Driven	standard

Drums and Tires

Number of pad feet	150
Area of one pad foot	21.2 (136.5) in ² (cm ²)
Height of pad feet	3.9 (100) in (mm)
Tire size	23.1-26/12PR
Tire Tread	Diamond (R-3)

Brakes

Service brake	hydrostatic
Parking brake	SAHR

Steering

Steering system	oscillating, articulating
Steering method	hydrostatic
Steering angle +/-	35 degrees
Oscillating angle +/-	12 degrees

Vibratory system

Drive system	hydrostatic
Frequency	1800/2160 (30/36) vpm (Hz)
Amplitude	0.071/0.037 (1.8/0.9) in (mm)
Centrifugal force	61825/44550 (275/198) lbs (kN)

Capacities

Fuel	gal (l)	66 (250)
------	---------	----------

Technical modifications reserved. Machines may be shown with options.

BOMAG
FAYAT GROUP

BOMAG Americas, Inc.

2000 Kentville Rd. • Kewanee, IL 61443
Tel: 309 853-3571 • Fax: 309 852-0350