



**BOMAG**  
FAYAT GROUP

# Single Drum Vibratory Roller

## BW213-4 Series

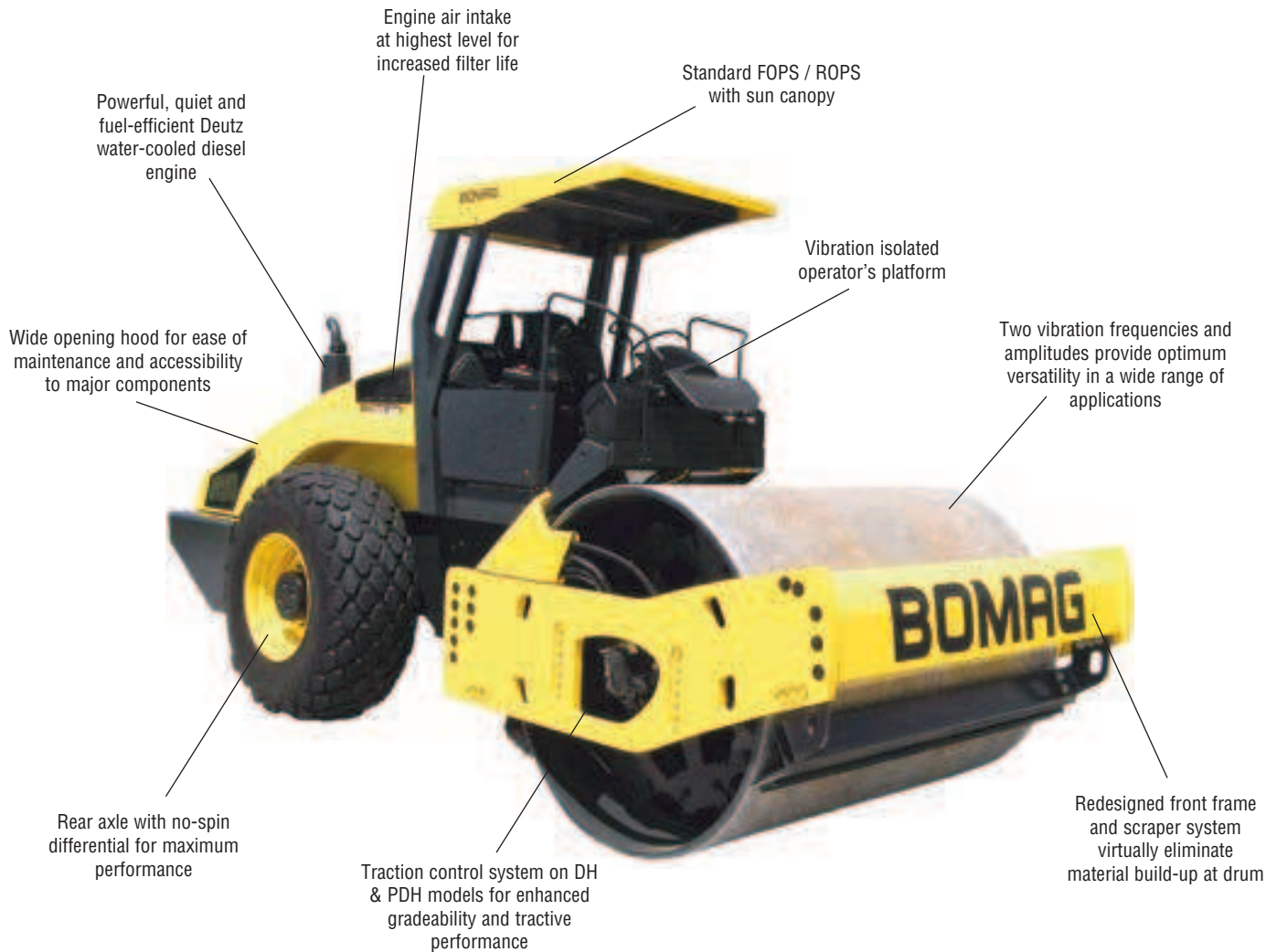


MODEL	Compaction Output (cu. yd/h) at recommended soil layer/lift thickness. *			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
BW213D-4	615 - 1229	392 - 785	314 - 628	157 - 314
BW213DH-4	693 - 1386	471 - 942	353 - 706	235 - 471
BW213PDH-4	693 - 1386	471 - 942	353 - 706	275 - 549

MODEL	Compaction Layer Thickness (in).*			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
BW213D-4	31	20	16	8
BW213DH-4	35	26	20	10
BW213PDH-4	35	24	20	12

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

# BW213-4 Series



## ■ *Dash 4 series – the next generation with improved production and performance features...*

Three new models, D / DH and PDH, providing enhanced design, comfort and performance. BOMAG is redesigning the standard for single drum rollers in the compaction industry. There have been no compromises in performance, productivity and operator comfort. Additional value for the end-user comes with increased performance in three entirely new models:

- The **D-4** and high grade **DH-4** are smooth drum models intended primarily for the compaction of granular and mixed soil materials.
- The high grade **PDH-4** is a paddrum model specific for cohesive and semi-cohesive material types..

### ■ Applications:

- Highway construction and maintenance
- Residential and commercial construction
- Parking lots
- Landfill



BW213 PDH-4 w/ optional cabin



*Ergonomic Layout of Controls Provides Precise Operation*



*Dash display shown is typical for DH and PDH models*

#### ■ Operation is Safer & Easier:

- Increased forward and rearward visibility for improved job site safety.
- Extremely low noise levels at the operator's ears, even with vibration.
- Increased platform space reduces operator fatigue.
- Operator controls comfortably and strategically positioned for natural movement and easy reach.
- Simple single lever control for both travel direction, speed and vibration.
- Vibration isolated platform with multi-position adjustable suspension seat for a more comfortable work environment.

## *Traction control system on DH and PDH models maximizes gradeability and tractive effort*

#### ■ Achieve Maximum Productivity:

- Increased productivity leads to higher profits and better equipment ROI.
- Higher frame to drum weight ratio ensures better compaction performance.
- Higher static linear loads and increased amplitudes deliver higher compaction forces.
- Dual vibrating frequencies and amplitudes provide uniform compaction on a wide range of material types.
- Drum vibration buffers can be replaced separately without drum removal.
- Traction control feature on DH and PDH models monitors slip potential between drum and tires to maximize gradeability and tractive effort.
- Heavy-duty rear axle with no-spin differential compliments the Traction Control to deliver unmatched tractive effort.
- High steering angle provides superior maneuverability.
- Maintenance-free vibration system and bearings.
- New frame design with increased clearance at the scraper area, in combination with dual scrapers, minimizes material build-up.
- Eco-mode engine throttle feature of DH and PDH models maximizes performance while reducing fuel consumption.

#### ■ Less Service & Maintenance:

- The purchase price is important, but so are the operating costs. Check these features:
- Totally maintenance free articulation joint with Teflon bearings.
  - No grease daily points reduces routine maintenance and costs.
  - In less than a minute's time, daily maintenance can be performed.
  - Drum vibration buffers can be individually serviced without the use of special tools or drum removal.
  - Reverse engine mounting positions hydraulic components to the rear of the machine for easy access.
  - Powerful and reliable Deutz diesel engines and Sauer Sundstrand hydraulic components maximize machine uptime.
  - Cooling and combustion air intake positioned high for cleanest air quality, extends filter service intervals.
  - External drain points for engine oil, engine coolant and hydraulic oil facilitate servicing ease.
  - BOMAG filter system extends oil and filter change intervals to 2000 working hours or 2 years.
  - Spring-Applied-Hydraulically-Released (SAHR) brakes are maintenance free

## *Featuring...*



*Redesigned Operator's Station for Simplified Operation and Increased Comfort*



*Centralized Electronics for Ease of Servicing and Troubleshooting*



*Vertically Opening Hood for Maximum Serviceability*



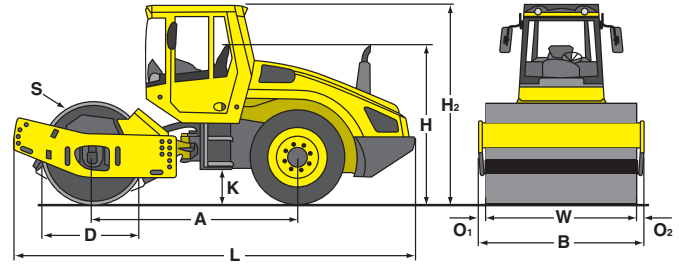
*Redesigned Front Frame and Scraper Design for Improved Performance*

*With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.*



# Technical Specifications

## BW213-4 Series



Shipping dimensions		
in cubic feet (m³)	without/with ROPS/FOPS	
BW213D-4	1046.7 (29.6)	1371.6 (38.8)
BW213DH-4	1046.7 (29.6)	1371.6 (38.8)
BW213PDH-4	1046.7 (29.6)	1371.6 (38.8)

### Standard Equipment

- Warning, information and operation displays with round gauges (D)
- Warning, information and operation displays with LCD (DH/PDH)
- Hydrostatic travel and vibration drive
- Anti Slip Control (ASC) (DH/PDH)
- Hydrostatic articulated steering
- Articulated joint lock
- Rear axle with twin spring accumulator brakes
- No-Spin differential lock
- Warning horn
- Single lever control for travel and vibration
- Swivel seat, adjustable in height and longitudinal direction w/ two armrests
- Contact scrapers (D/DH : plastic)
- Scrapers (PDH : Steel)
- Emergency STOP
- Noise insulation
- Back-up warning system
- BOMAG ECOMODE (DH/PDH)
- ROPS/FOPS with safety belt

### Optional Equipment

- ROPS cabin with seat belts
- Air conditioning
- Working lights front/rear
- Rotary beacon
- Indicator and hazard lights
- Padfoot segment kit (D/DH)
- Smooth shell segment kit (PDH)
- Contact scrapers (D/DH:Steel)
- BOMAG Evib-Meter (BEM)
- TERRAMETER BTM prof
- TERRAMETER/BCM 05
- Special painting
- Environmentally compliant hydraulic oil
- Ballast front (1585 lbs)
- Sun roof
- Sliding seat (DH/PDH)
- Warning, information and operation displays
- Radio
- Protective ventilation system
- Blade (DH/PDH)

### Dimensions inches (mm)

	A	B	D	H	H <sub>2</sub>	K	L	O <sub>1</sub>	O <sub>2</sub>	S	W
BW213D-4	116.5 (2960)	88.6 (2250)	59.1 (1500)	89.3 (2268)	117 (2972)	19.3 (490)	228.7 (5808)	2.4 (60)	2.4 (60)	1.4 (35)	83.9 (2130)
BW213DH-4	116.5 (2960)	88.6 (2250)	59.1 (1500)	89.3 (2268)	117 (2972)	19.3 (490)	228.7 (5808)	2.4 (60)	2.4 (60)	1.4 (35)	83.9 (2130)
BW213PDH-4	116.5 (2960)	88.6 (2250)	58.3 (1480)	89.3 (2268)	117 (2972)	19.3 (490)	228.7 (5808)	2.4 (60)	2.4 (60)	1.0 (25)	83.9 (2130)

### Technical data

	BOMAG BW213D-4		BOMAG BW213DH-4		BOMAG BW213PDH-4	
<b>Weights</b>						
Operating Weight w/ ROPS/FOPS.....	lbs. (kg)	27113 (12298)	27498 (12473)	28381 (12874)		
Axle load, Drum .....	lbs. (kg)	15640 (7094)	16023 (7268)	16461 (7467)		
Axle load, Tires .....	lbs. (kg)	11473 (5204)	11475 (5205)	11920 (5407)		
Static linear load .....	pli (kg/cm)	186.5 (33.3)	191.0 (34.1)			

### Driving Characteristics

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4	
Speed (1).....	mph (km/h)	0-3.7 (0-6.0)	0-8.7 (0-14.0)	0-8.7 (0-14.0)
Speed (2).....	mph (km/h)	0-4.3 (0-7.0)		
Speed (3).....	mph (km/h)	0-5.0 (0-8.0)		
Speed (4).....	mph (km/h)	0-6.8 (0-11.0)		
Max. Gradeability without / with vibs.....	%	45/43	58/55	60/58

### Drive

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4	
Engine Manufacturer .....	Deutz	Deutz	Deutz	
Type.....	TCD 2013 L04	TCD 2013 L04	TCD 2013 L04	
Cooling.....	water	water	water	
Number of cylinders .....	4	4	4	
Perf. ISO 3046.....	Hp (kW)	133 (99)	160 (119)	160 (119)
Perf. SAE J1995.....	Hp (kW)	133 (99)	160 (119)	160 (119)
Speed .....	rpm	2200	2200	2200
Fuel.....	diesel	diesel	diesel	
Electric Eqpt. ....	V	12	12	12
Drive System.....	hydrost.	hydrost.	hydrost.	
Drum Driven.....	standard	standard	standard	

### Drums and Tires

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4
Number of Pad Feet.....			150
Area of one pad foot .....			21.2 (137)
Height of one pad foot.....			3.94 (100)
Tire size .....	23.1-26 / 12 PR	23.1-26 / 12 PR	23.1-26 / 12 PR

### Brakes

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4
Service brake .....	hydrost.	hydrost.	hydrost.
Parking brake.....	SAHR	SAHR	SAHR

### Steering

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4
Steering system.....	oscil. Artic.	oscil. Artic.	oscil. Artic.
Steering method.....	hydrost.	hydrost.	hydrost.
Steering / Oscillating angle +/-.....	degrees	35/12	35/12
Track radius, inner.....	in (mm)	137.6 (3494)	137.6 (3494)

### Exciter System

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4
Drive system .....	hydrost.	hydrost.	hydrost.
Frequency (1).....	VPM (Hz)	1800 (30)	1800 (30)
Frequency (2).....	VPM (Hz)	2160 (36)	2160 (36)
Amplitude.....	in (mm)	.075/.039 (1.90/ 1.00)	.071/.037 (1.80/0.94)
Centrifugal force .....	lbs (kN)	61875/45450 (275/202)	67500/50625 (300/225)

### Capacities

	BOMAG BW213D-4	BOMAG BW213DH-4	BOMAG BW213PDH-4
Fuel.....	gal (l)	89.8 (340)	89.8 (340)

Technical modifications reserved. Machines may be shown with options.

B461H-3254 1M0712TTPPG