



BOMAG
FAYAT GROUP

Single Drum Vibratory Roller BW213DH-4, BW213PDH-4

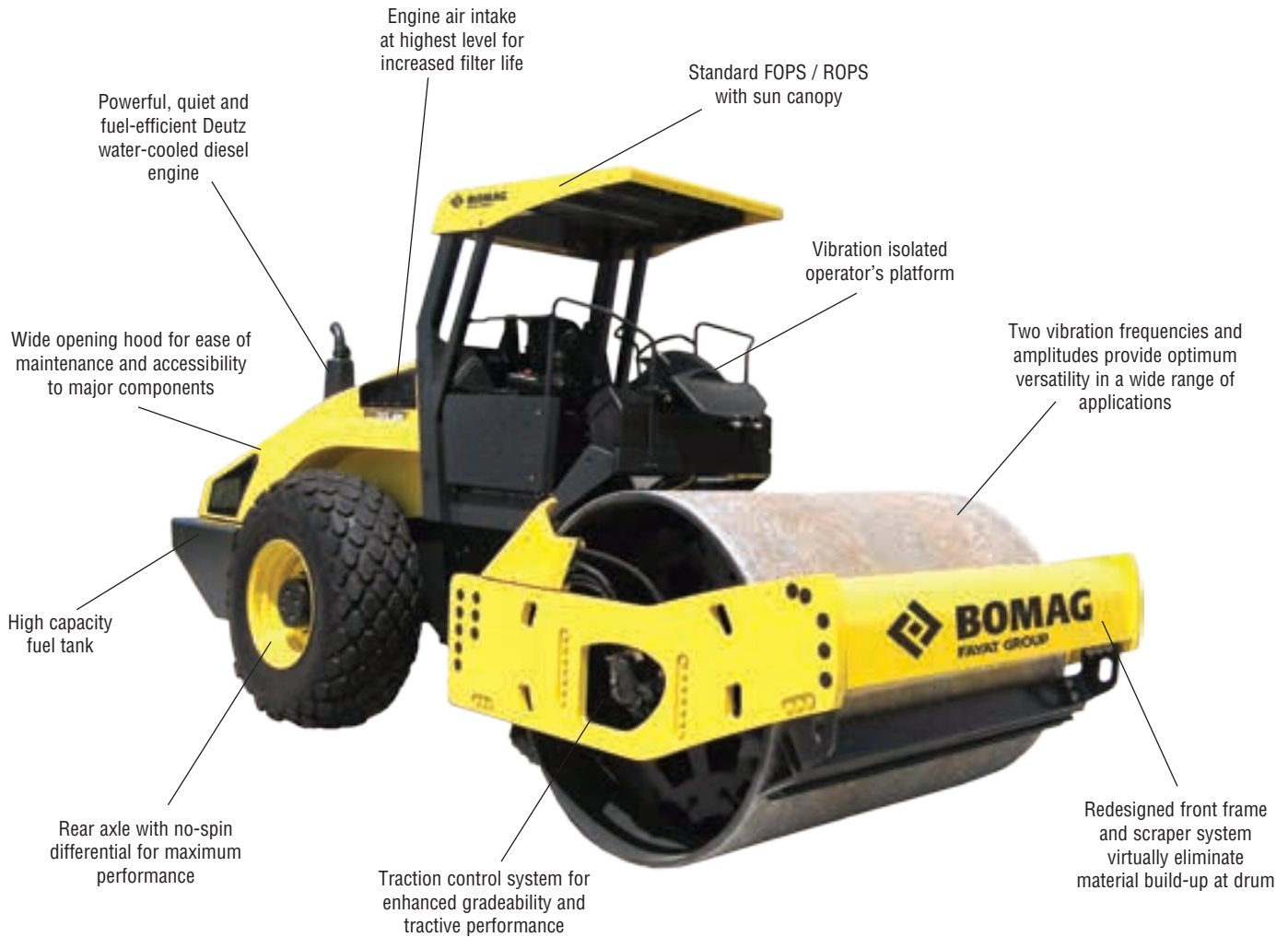


KEY FEATURES

- 84" inch drum width
- Deutz Tier 3 diesel engine
- ECOMODE
- Easy & simple operation
- No grease points
- Dual amplitudes
- Dual frequencies
- Dual drum scrapers
- Optional cab & air conditioning
- Optional leveling blade



BW213-4 Series



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

With two models the DH and PDH provide enhanced design, comfort and performance. BOMAG sets 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 with these models:

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

■ Applications:

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



BW213PDH-4 w/ optional cabin

Featuring...



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 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 efficient 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.
- ASC traction control feature 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.
- ECOMODE engine throttle feature 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.
- Reverse engine mounting positions hydraulic components to the rear of the machine for easy access.
- 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

MODEL	Compaction Output (cu. yd/h) at recommended soil layer/lift thickness. *			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
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
BW213DH-4	35	26	20	10
BW213PDH-4	35	24	20	12

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



Redesigned Operator's Station for Simplified Operation and Increased Comfort



Centralized Electronics for Ease of Servicing and Troubleshooting



Vertically Opening Hood for Maximum Serviceability

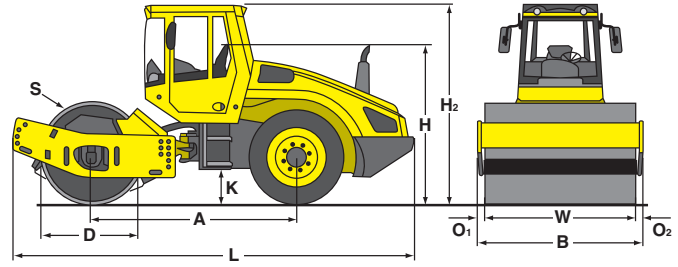


Redesigned Front Frame and Scraper Design for Improved Performance

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 (m ³)		
	without	with ROPS/FOPS
BW213DH-4	1046.7 (29.6)	1371.6 (38.8)
BW213PDH-4	1046.7 (29.6)	1371.6 (38.8)

Standard Equipment

- BOMAG ECOMODE
- Anti Slip Control (ASC)
- Warning, information and operation displays with LCD
- Hydrostatic travel and vibration drive
- 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
- Contact scrapers (DH:Plastic)
- Scrapers (PDH:Steel)
- Emergency STOP
- Noise insulation
- Back-up warning system

Optional Equipment

- ROPS cabin with seat belts
- Air conditioning
- Leveling blade (DH/PDH)**
- Working lights front/rear
- Rotary beacon
- Indicator and hazard lights
- Padfoot segment kit (DH)
- Contact scrapers (DH:Steel)
- BOMAG Evib-Meter (BEM)
- TERRAMETER BTM prof
- TERRAMETER/BCM 05
- Environmentally compliant hydraulic oil
- Ballast front (1585 lbs)
- Sliding seat (DH/PDH)
- Radio with cab option

** 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.

	A	B	D	H	H2	K	L	O1	O2	S	W
BW213DH-4	116.5 (2960)	89.4 (2270)	59.1 (1500)	89.3 (2268)	117.5 (2985)	19.3 (490)	228.7 (5808)	2.8 (70)	2.8 (70)	1.4 (35)	83.9 (2130)
BW213PDH-4	116.5 (2960)	89.4 (2270)	58.3 (1480)	89.3 (2268)	117.5 (2985)	19.3 (490)	228.7 (5808)	2.8 (70)	2.8 (70)	1 (25)	83.9 (2130)

Technical Data

Weights

	BOMAG BW213DH-4	BOMAG BW213PDH-4
Operating weight with ROPS/FOPS	27335 (12400) lb (kg)	28220 (12800) lb (kg)
Axle load, drum	15985 (7250) lb (kg)	16425 (7450) lb (kg)
Axle load, wheels.....	11350 (5150) lb (kg)	11795 (5350) lb (kg)
Static linear load	190.5 (34) pli (kg/cm)	
Operating weight with ROPS-cabin.....	27999 (12700) lb (kg)	28880 (13100) lb (kg)

Driving Characteristics

Speed	0 - 8.7 (0 - 14) mph (km/h)	0 - 8.7 (0 - 14) mph (km/h)
Max. gradeability without/with vibr.....	58/55 %	60/58 %

Drive

	BOMAG BW213DH-4	BOMAG BW213PDH-4
Engine manufacturer.....	Deutz	Deutz
Type.....	TCD 2013 L04	TCD 2013 L04
Tier compliance	Tier 3	Tier 3
Cooling.....	water	water
Number of cylinders	4	4
Performance ISO 3046	119 kW	119 kW
Performance SAE J 1995.....	160 hp	160 hp
Speed	2200 rpm	2200 rpm
Fuel.....	diesel	diesel
Electric equipment.....	12 V	12 V
Drive system	hydrostatic standard	hydrostatic standard

Drums and Tires

Number of pad feet.....		150
Area of one pad foot		21.2 (137) in ² (cm ²)
Height of pad feet.....		3.9 (100) in (mm)
Tire size	23.1-26/12PR	23.1-26/12PR

Steering

Steering system.....	oscil. artic.	oscil. artic.
Steering method.....	hydrost.	hydrost.
Steering / Oscillating angle +/-.....	35/12 deg	35/12 deg
Track radius, inner.....	137.6 (3494) in (mm)	137.6 (3494) in (mm)

Exciter system

Drive system	hydrostatic	hydrostatic
Frequency (1).....	1800 (30) VPM (Hz)	1800 (30) VPM (Hz)
Frequency (2).....	2160 (36) VPM (Hz)	2160 (36) VPM (Hz)
Amplitude.....	.079/.039 (2.00/1.00) in (mm)	.071/.037 (1.80/0.94) in (mm)
Centrifugal force	67442/50582 (300/225) lb (kN)	67442/50582 (300/225) lb (kN)

Capacities

Fuel.....	89.8 (340) gal (l)	89.8 (340) gal (l)
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Technical modifications reserved. Machines may be shown with options.

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