### Single Drum Vibratory Roller

**BW213-4 Series**

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

#### Model: Compaction Output (cu. yd/h) at recommended soil layer/lift thickness.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Rock Fill</th>
<th>Gravel, Sand</th>
<th>Mixed Soils</th>
<th>Silt, Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW213D-4</td>
<td>615 - 1229</td>
<td>392 - 785</td>
<td>314 - 628</td>
<td>157 - 314</td>
</tr>
<tr>
<td>BW213DH-4</td>
<td>693 - 1386</td>
<td>471 - 942</td>
<td>353 - 706</td>
<td>235 - 471</td>
</tr>
<tr>
<td>BW213PDH-4</td>
<td>693 - 1386</td>
<td>471 - 942</td>
<td>353 - 706</td>
<td>275 - 549</td>
</tr>
</tbody>
</table>

#### Model: Compaction Layer Thickness (in.).

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<tr>
<td>BW213D-4</td>
<td>31</td>
<td>20</td>
<td>16</td>
<td>8</td>
</tr>
<tr>
<td>BW213DH-4</td>
<td>35</td>
<td>26</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>BW213PDH-4</td>
<td>35</td>
<td>24</td>
<td>20</td>
<td>12</td>
</tr>
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</table>

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

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

**Applications:**

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

Courtesy of Machine.Market
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.

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

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 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.

Achieve Maximum Productivity:

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.

Courtesy of Machine.Market
Technical Specifications

BW213-4 Series

Shipping dimensions in cubic feet (m³) without/with ROPS/FOPS

<table>
<thead>
<tr>
<th>Model</th>
<th>Without ROPS/FOPS</th>
<th>With ROPS/FOPS</th>
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<tbody>
<tr>
<td>BW213D-4</td>
<td>1046.7 (29.6)</td>
<td>1371.6 (38.8)</td>
</tr>
<tr>
<td>BW213DH-4</td>
<td>1046.7 (29.6)</td>
<td>1371.6 (38.8)</td>
</tr>
<tr>
<td>BW213PDH-4</td>
<td>1046.7 (29.6)</td>
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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
- 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 with/without armrests
- Contact scrapers (D/DH: plastic)
- Scrapers (PDH: Steel)
- Emergency STOP
- Noise insulation
- Back-up warning system
- 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 ECOMODE (DH/PDH)
- ROPS/FOPS with safety belt

Dimensions inches (mm)

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>H</th>
<th>Hz</th>
<th>K</th>
<th>L</th>
<th>Ot</th>
<th>Ot</th>
<th>S</th>
<th>W</th>
</tr>
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<tr>
<td>BW213D-4</td>
<td>116.5 (2960)</td>
<td>88.6 (2250)</td>
<td>59.1 (1500)</td>
<td>89.3 (2260)</td>
<td>117 (2972)</td>
<td>19.3 (490)</td>
<td>228.7 (5808)</td>
<td>2.4 (60)</td>
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<td>83.9 (2130)</td>
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Technical data

- Weights
  - Operating Weight w/ ROPS/FOPS lbs (kg): BW213D-4 27113 (12298), BW213DH-4 27498 (12478), BW213PDH-4 28381 (12874)
  - Axle load, Drum lbs (kg): BW213D-4 15640 (7094), BW213DH-4 16023 (7268), BW213PDH-4 16461 (7467)
  - Axle load, Tiers lbs (kg): BW213D-4 11473 (5204), BW213DH-4 11475 (5205), BW213PDH-4 11920 (5407)
  - Static linear load psf (kg/cm²): BW213D-4 186.5 (53.3), BW213DH-4 191.0 (54.1), BW213PDH-4 191.0 (54.1)

- Driving Characteristics
  - Speed 1 mph (km/h): 0-3.7 (0-6.0), 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 vib and with vib %: 45/43

- Drive System
  - Engine Manufacturer: Deutz
  - Type: TCD 2013 L04
  - Cooling: water
  - Number of cylinders: 4
  - Perf ISO 3046 Hp (kW): 133 (99)
  - Perf SAE J1995 Hp (kW): 133 (99)
  - Speed: 2200 rpm
  - Fuel: diesel
  - Electric Generator: 12
  - Drive System: hydrot.
  - Drum Driven: standard

- Drums and Tires
  - Number of Pad Feet: 150
  - Areal of one pad foot in² (cm²): 83.9 (2130)
  - Height of one pad foot in (mm): 2.4 (60)

- Brakes
  - Service brake: hydrot.
  - Parking brake: SAHR
  - Braking method: hydrot.
  - Drum Driven: standard

- Steerings
  - Steerung method: hydrot.
  - Steering / Oscillating angle +/- degrees: 35/12
  - Track radius, inner in (mm): 137.6 (3494)

- Exciter System
  - Drive system: hydrot.
  - Frequency 1 VPM (Hz): 1800 (30)
  - Frequency 2 VPM (Hz): 2160 (36)
  - Amplitude in (mm): 0.075 (1.90) 0.079 (2.00)
  - Centrifugal force lbs (kN): 61875/45450 (275/202)

- Capacities
  - Fuel gal (l): 89.8 (340)

Technical modifications reserved. Machines may be shown with options.