Tandem Vibratory Rollers
BW266AD-4, BW278AD-4

KEY FEATURES

- Low profile design for greater visibility.
- Two amplitudes for application variability.
- Joystick controls for ease of operation.
- Sliding/Pivoting seat for clean site lines to the drum edges.
- Optional night paving light package.
- 4000 VPM for greater productivity, smoothness and density.
- ECOMODE engine for increased fuel economy and decreased noise levels.
- Automatic start/stop settings ensure smooth mat transitions.

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With the growing number of high performance asphalt mix designs, and the increasing opportunities for bonuses on density and smoothness, BOMAG introduces two (2) new models to address this demand.

The BW266AD-4 and BW278AD-4 raise the standards again. Industry leading drum frequency and centrifugal forces, allow for higher paving speeds and faster achieved densities. Variable front and rear drum vibration frequencies allow the BW266AD-4 and BW278AD-4 to meet specified smoothness and density requirements. Auto Start-stop settings for vibration provides total repeatability of system settings and rolling patterns. As world leader in compaction technology, BOMAG provides cost effective solutions for every application.

**Applications:**

- Highway Construction and Maintenance
- Asphalt Repairs and Resurfacing
- Parking Lots
- Airports

**High compaction performance on asphalt materials...**

Efficient night light option.

Standard FOPS/ROPS with seat belts.

Joystick controls.

(2) 159 gallon spray tanks.

Fuel efficient & powerful 130HP Cummins engine with ECOMODE.

Wide opening single hood.

Pressurized fully non-corrosive water spray system.

Centerpoint articulated steering for precise tracking of drums.

Dual vibration amplitudes and infinitely variable operating frequencies from 2500-4000 vpm’s.

Two scrapers per drum.

Two scrapers per drum.

High compaction performance on asphalt materials...
Achieve Maximum Productivity:
• Sliding-Swivel seat and low frame design, deliver unequalled operator visibility for the optimum productivity.
• Industry leading high vibration frequency permits maximum compacting speeds for unequalled productivity.
• Fully hydrostatic drive, with low-speed high torque wheel motor on each drum, delivers excellent gradeability with smooth speed and directional changes.
• Joystick control and simple switches deliver ultimate control over productivity, allowing the operator to input maximum working speed and automatic vibration start/stop speeds.
• Drum impact spacing is displayed, allowing the operator to control densities, smoothness, and rolling patterns.
• Interval waterspray feature optimizes water consumption

Safety and Maintenance Features

Safer & Less Maintenance:
The purchase price is important, but so are safety and operating costs. Check out these features:
• Cockpit design increases operator efficiency by ergonomically positioning controls for natural operator movement.
• Asphalt mat temperature sensing system allow for a real-time display of the asphalt surface temperature.
• Falling-Object/Roll-Over Protective Structure and seat belts are standard equipment on the BW266 and BW278.
• A high-output/low-mass vibratory mechanism has oil bath bearings for extended life and reduced maintenance.
• There are no "grease daily" fittings on the BW266 or BW278.
• Single Hood offers ease of service from a standing position.
• ECOMODE offers quieter operation and lowers fuel consumption by automatically matching engine speed to travel speed and vibration requirements.
• Joystick control travel direction, speed, steering, manual vibration on/off and control actuation from either seating position.

Best for Compaction
With these features and many more, it's easy to see why this model offers high value while delivering lower lifetime operating costs.
Technical Specifications

BW266AD-4, BW278AD-4

Shipping dimensions in cubic feet (m³) without / with ROPS
BW266AD-4 736.3 (20.7) 984.4 (27.9)
BW278AD-4 835.1 (23.6) 1124.1 (31.8)

Dimensions in inches (mm)

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<tbody>
<tr>
<td>BW266AD-4</td>
<td>120 (3048)</td>
<td>72 (1829)</td>
<td>48 (1219)</td>
<td>78 (1981)</td>
<td>111 (2819)</td>
<td>15 (381)</td>
<td>200 (5080)</td>
<td>0.70 (17.78)</td>
<td>66 (1676)</td>
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<td>BW278AD-4</td>
<td>120 (3048)</td>
<td>84.5 (2146)</td>
<td>48 (1219)</td>
<td>78 (1981)</td>
<td>111 (2819)</td>
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Standard Equipment

- Cummins QSB4.5 diesel
- ECOMODE
- Two contact scrapers per drum
- 66” x 48” diameter machined drums (BW266AD-4)
- 78” x 48” diameter machined drums (BW278AD-4)
- LCD instrument panel
- Vandal protection
- Dual amplitude
- Water saver system
- Pressurized, non-corrosive water spray system
- Hydrostatic drive
- Electronic controls
- Automatic vibrator “On / Off”
- Speed limiter
- Secondary / park brake release
- FOPS/ROPS with seat belts
- Back up alarm
- Horn

Optional Equipment

- Asphalt mat temperature sensing system
- Working lights (front/rear)
- Night paving light package
- Turn signals and 4 way flashers
- Pivoting spring loaded scrapers - two per drum
- Low water indicator
- Rotating beacon light
- Special paint color

Technical data

Weights
- Shipping Weight with ROPS: BW266AD-4 22200 (10070) lbs (kg), BW278AD-4 23900 (10841) lbs (kg)
- Operating Weight with ROPS: BW266AD-4 24000 (10886) lbs (kg), BW278AD-4 25800 (11703) lbs (kg)
- Axle load, (front): BW266AD-4 11750 (5330) lbs (kg), BW278AD-4 12650 (5738) lbs (kg)
- Axle load, (rear): BW266AD-4 10450 (4740) lbs (kg), BW278AD-4 11250 (5103) lbs (kg)
- Average static linear load: BW266AD-4 182 (32.5) pli (kg/cm), BW278AD-4 160 (29) pli (kg/cm)

Driving Characteristics (depending on site conditions)
- Speed (1): BW266AD-4 0-5 (0-8.1) mph (km/hr), BW278AD-4 0-5 (0-8.1) mph (km/hr)
- Speed (2): BW266AD-4 0-10 (0-16.1) mph (km/hr), BW278AD-4 0-10 (0-16.1) mph (km/hr)
- Max. gradeability without/with vibration: BW266AD-4 40%, BW278AD-4 40%

Drive
- Engine manufacturer: Cummins, Cummins
- Type: QSB4.5, QSB4.5
- Tier compliance: Tier 3, Tier 3
- Cooling: Water, Water
- Number of cylinders: 4, 4
- Performance SAE J 1995: BW266AD-4 130 (97) hp (kW), BW278AD-4 130 (97) hp (kW)
- Speed: 2200 rpm
- Fuel: diesel, diesel
- Electric Equipment: hydrostatic, hydrostatic
- Drive System: hydrostatic, hydrostatic
- Drum Driven: f+r, f+r

Brakes
- Service brake: hydrostatic, hydrostatic
- Parking brake: SAHR, SAHR

Steering
- Steering angle +/-: BW266AD-4 34 degrees, BW278AD-4 34 degrees
- Oscillating angle +/-: BW266AD-4 12 degrees, BW278AD-4 12 degrees
- Track Radius, inner: BW266AD-4 163 (4140) in (mm), BW278AD-4 198 (5029) in (mm)

Vibrating system (f, r, f+r)
- Drive system: hydrostatic, hydrostatic
- Low Amplitude: BW266AD-4 0.020 (0.50) in (mm), BW278AD-4 0.017 (0.44) in (mm)
- Frequency: BW266AD-4 2500 - 4000 (42 - 67) vpm (Hz), BW278AD-4 2500 - 4000 (42 - 67) vpm (Hz)
- Centrifugal force: BW266AD-4 35536 (158) lbs (kN), BW278AD-4 35536 (158) lbs (kN)
- Centrifugal force: BW266AD-4 35536 (158) lbs (kN), BW278AD-4 35536 (158) lbs (kN)

Water Spray System
- Type of system: Pressurized, Pressurized
- Back-up system: Pressurized, Pressurized

Capacities
- Fuel: BW266AD-4 50 (189) gal (l), BW278AD-4 60 (227) gal (l)
- Cooling system: BW266AD-4 19 (18) qts (l), BW278AD-4 17 (16) qts (l)
- Engine: BW266AD-4 17 (16) qts (l), BW278AD-4 17 (16) qts (l)
- Water Tank: BW266AD-4 318 (1204) gal (l), BW278AD-4 318 (1204) gal (l)

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