

Tandem Vibratory Roller

BW284AD



| EARTHWORKS | | | | | | |
|------------|---------------|---------------------------|---|----------|----------|-----------|
| # passes | rolling speed | area coverage sq yd/hr | "productivity in cu yd/hr by lift thickness, 100% efficiency" | | | |
| | (mph) | | 4 inches | 6 inches | 8 inches | 12 inches |
| 2 | 4.54 | 9322 | 1037 | 1556 | 2075 | 3112 |
| 3 | 4.54 | 6215 | 692 | 1037 | 1383 | 2075 |
| 4 | 4.54 | 4661 | 519 | 778 | 1037 | 1556 |
| 5 | 4.54 | 3729 | 415 | 622 | 830 | 1245 |

| ASPHALTIC CONCRETE (material weight 140 lb/cu ft) | | | | | | |
|---|---------------|---------------------------|--|----------|------------|----------|
| # passes | rolling speed | area coverage sq yd/hr | "productivity in tons/hr by lift thickness, 100% efficiency" | | | |
| | (mph) | | 1.5 inches | 2 inches | 2.5 inches | 3 inches |
| 2 | 4.54 | 9322 | 735 | 980 | 1225 | 1470 |
| 3 | 4.54 | 6215 | 490 | 653 | 817 | 980 |
| 4 | 4.54 | 4661 | 368 | 490 | 613 | 735 |
| 5 | 4.54 | 3729 | 294 | 392 | 490 | 588 |
| 6 | 4.54 | 3107 | 245 | 327 | 408 | 490 |

Note: Repeat number of passes over the same area is required to achieve specified compaction efficiency/density. Successive passes over same area results in reduced area coverage and productivity. Rolling speed selected provides impact spacing of a minimum 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.

BW284AD



Equipped to handle a wide range of compaction applications...

The BOMAG BW284AD tandem roller is designed to handle the largest and toughest paving situations. Designed specifically for the rigorous demands of SUPERPAVE applications, with large diameter 54" drums, which minimize shoving of material, and an 84" rolling width, this model has the capability for high production results. With a maximum compaction output force of 41,235 lbs. per drum and available 4,000 vpm frequency, required densities are achieved in fewer roller passes. Combine this with dual waterspray systems per drum, exceptional operating visibility and cutting edge control functions and features, the BW284AD roller will meet and exceed your every expectation.

Applications:

- Highway construction and maintenance
- Airports
- Parking lots
- Asphalt repairs and resurfacing



84" rolling width with available 4000 vpm frequency.

Featuring...



Direct drum drive with vibrating travel speeds of 4.5 mph available. Individually serviceable isolators without drum removal.

Improved compaction performance and operator comfort

Less Service and Maintenance:

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

- Dual waterspray system per drum for failsafe operation.
- High capacity (170 gallons / each) impact resistant water tanks provide a low center of gravity, dual fill ports for convenient filling from either side and primary strainers as well as suction filtration to minimize spray nozzle plugging.
- Dual rubber drum scrapers per drum, minimize asphalt pick-up and help distribute water across the entire 84" wide rolling surface.
- Centerjoint is totally maintenance free, providing + / - 28 degrees articulation for high maneuverability and + / - 12 degrees of frame oscillation to insure maximum drum contact on uneven paving surfaces.
- Access to the Cummins engine for maintenance is simple and quick, with strategically located components and test ports grouped for easy access.
- Drum vibration bearings, as well as travel motor(s) integral SAHR brakes, are virtually maintenance free.

Handling is Easier & Safer:

- Operator's station provides excellent visibility to both the surrounding jobsite area as well as the drum(s) rolling surface and edges.
- Operator's platform is vibration isolated to provide a fatigue-free working environment.
- Operator's seats swivel right to left to provide a safer, more comfortable viewing angle of the work area.
- Joystick controls provide for accurate and comfortable roller operation.
- Operator's control console adjusts to virtually all size operators, to insure a comfortable and productive seating position.
- Large diameter 54" drums minimize material shoving.
- Information display provides critical operating details to insure successful and productive paving results.



Dual, independent spray systems per drum, with quick-disconnect nozzles, ensure continuous waterspray operation. Spray pattern protected by hinged, swing-up wind deflection covers.



Waterspray system is further protected by fill port strainer and in-tank suction filtration. Fill port cover is lockable for vandal protection.

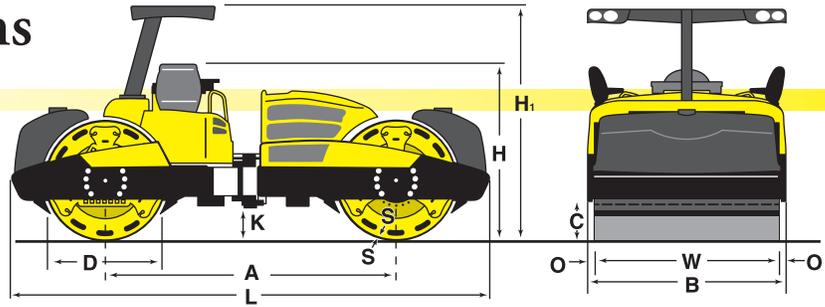


Operator's control panel is fully adjustable to either seating position. Simplified controls make operation easy to novice, as well as experienced operators. Display panel provides all necessary, as well as critical information for proper machine operation and professional results.

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

Technical Specifications

BW284AD



Shipping dimensions
in cubic feet (m3) with ROPS/FOPS

BW284AD 1186.8 (33.6)

Standard Equipment

- Cummins QSB4.5 Diesel Engine
- Hydrostatic Travel and Vibration Drive
- Centerpoint Articulated Steering
- Spring Applied Hydraulically Released (SAHR) Brakes on Each Drum
- Dual Seating Position with Swiveling Seats
- Adjustable Operators Seat
- Vibration Isolated Operators Station
- Vibration Control in Travel Lever
- Manual Waterspray Control in Steering Lever
- Water Saver System
- Auto Waterspray "On- Off" with Travel Speed
- Infinitely Adjustable Vibration Frequencies to 4,000 VPM's
- Dual Vibration Amplitudes
- Auto / Manual Vibration Modes
- Auto Vibrator "On / Off" Set Point
- Speed Control Electronically Adjustable
- Impact Spacing Selection Feature
- Lead / Trail Drum Selection
- Asphalt Mat Temperature Display
- Speedometer
- Drum Vibration Frequency Display
- Dual Waterspray System per Drum
- Engine Monitor at Dash Display
- FOPS / ROPS with Seat belts
- Working Lights / Directional / Hazard Signals – Std.
- Cooler Storage / Cup Holders

Optional Equipment

- Night Paving Light System
- Special Paint

DIMENSIONS IN INCHES (MM)

| | A | B | C | D | H | H _i | K | L | O | S | W |
|----------------|---------------|--------------|-------------|--------------|--------------|----------------|-------------|---------------|-------------|-------------|--------------|
| BW284AD | 130 (3302) | 90 (2286) | 18 (457) | 54 (1372) | 81 (2057) | 106 (2692) | 18 (457) | 215 (5461) | 3.0 (76) | .07 (18) | 84 (2134) |

Technical data

Weights

| | | |
|--------------------------------------|-------------|---------------|
| Operating Weight with ROPS/FOPS..... | lbs (kg) | 28425 (12893) |
| Average axle load CECE | lbs (kg) | 14213 (6447) |
| Average static linear load CECE..... | pli (kg/cm) | 169 (30.2) |

Dimensions

| | | |
|---------------------------------|---------|---------------------|
| Track Radius, inner/outer | in (mm) | 165/249 (4191/6325) |
| Dimensions..... | | see sketch |

Driving Characteristics (depending on site conditions)

| | | |
|---|------------|-------------------------|
| Speed | mph (kmph) | 0-5/0-10 (0-8.0/0-16.1) |
| Max. gradeability without/with vibration..... | % | 30/30 |

Drive

| | | |
|-----------------------------------|---------|-------------|
| Engine manufacturer..... | | Cummins |
| Type..... | | QSB4.5 |
| Cooling | | water |
| Number of cylinders | | 4 |
| Fuel..... | | diesel |
| Performance SAE J1349 (max) | hp (kW) | 160 (119) |
| Speed (max) | rpm | 2200 |
| Electric Equipment | V | 12 |
| Drive System..... | | hydrostatic |
| Drum Driven..... | | f + r |

Brakes

| | | |
|---------------------|--|-------------|
| Service brake..... | | hydrostatic |
| Parking brake | | SAHR |

Steering

| | | |
|-----------------------------|---------|---------------|
| Steering system | | oscil./artic. |
| Steering angle +/- | degrees | 28 |
| Oscillating angle +/- | degrees | 12 |

Vibratory system

| | | |
|------------------------------------|----------|---------------------------|
| Vibrating drum | | f + r, f/r |
| Drive system | | hydrostatic |
| Frequency | vpm (Hz) | 3400/4000 (59.7/66.7) |
| Amplitude..... | in (mm) | 0.026/0.016 (0.66/0.41) |
| Centrifugal force (each drum)..... | lbs (kN) | 41235/34665 (183.3/154.1) |

Water Spray System

| | | |
|---------------------------------|--|-------------|
| Type of water spray system..... | | pressurized |
|---------------------------------|--|-------------|

Capacities

| | | |
|-------------|---------|------------|
| Fuel..... | gal (l) | 75 (283.9) |
| Water | gal (l) | 340 (1287) |

Technical modifications reserved. Machines may be shown with options.