

# BOMAG

## Tandem Vibratory Roller

### BW100AD-3



#### EARTHWORKS

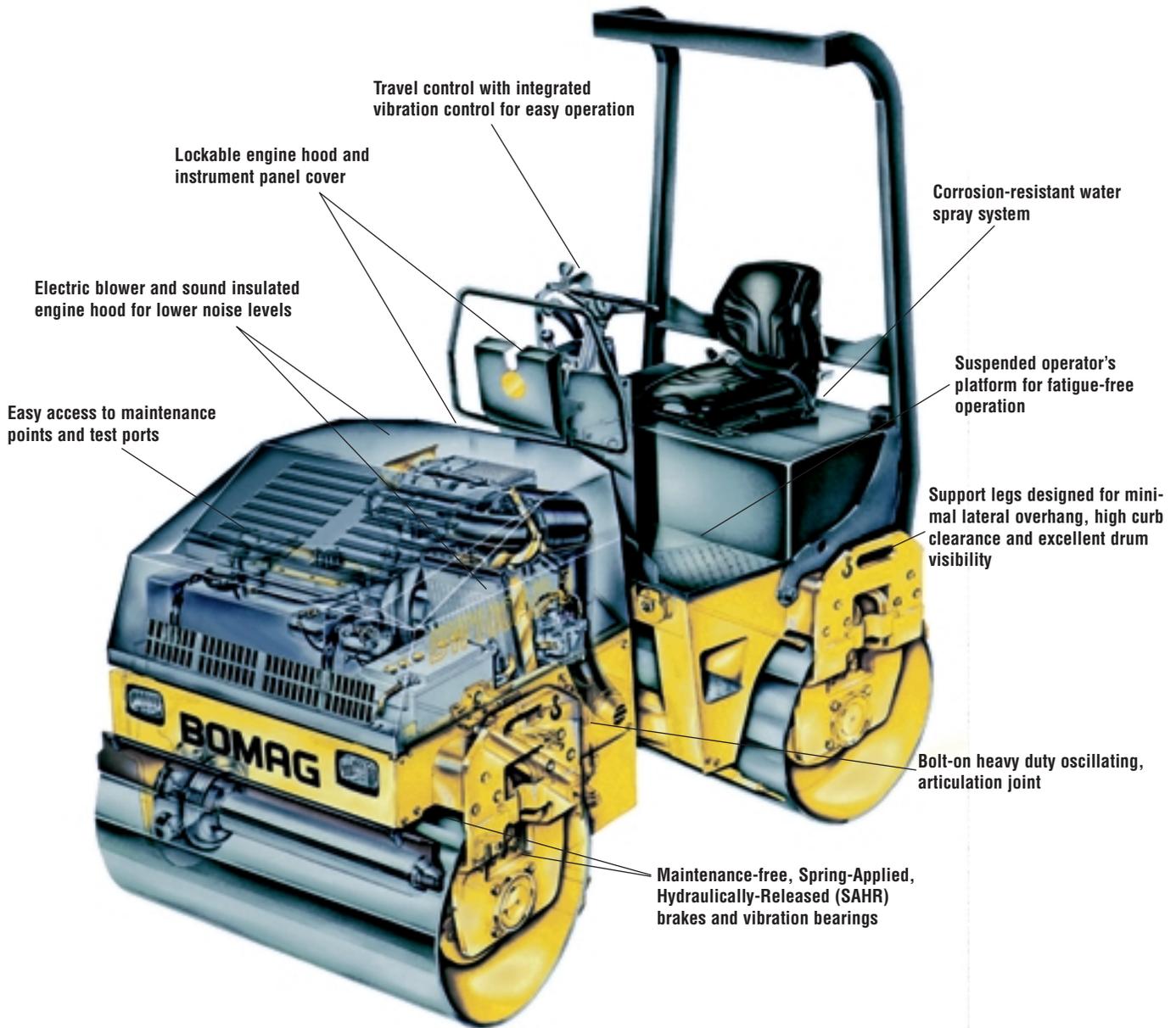
# passes	rolling speed (mph)	area coverage sq yd/hr	"productivity in cu yd/hr by lift thickness, 100% efficiency"			
			4 inches	6 inches	8 inches	12 inches
2	3.5	3371	375	563	750	1125
3	3.5	2247	250	375	500	750
4	3.5	1685	188	281	375	563
5	3.5	1348	150	225	300	450

#### ASPHALTIC CONCRETE (material weight 140 lb/cu ft)

# passes	rolling speed (mph)	area coverage sq yd/hr	"productivity in tons/hr by lift thickness, 100% efficiency"			
			1.5 inches	2 inches	2.5 inches	3 inches
2	3.5	3371	266	354	443	532
3	3.5	2247	177	236	295	354
4	3.5	1685	133	177	222	266
5	3.5	1348	106	142	177	213
6	3.5	1124	89	118	148	177

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.

# BW100AD-3



## ■ Dash 3 Series - Continuing the tradition of excellence...

Compact size, high maneuverability combined with heavy roller features have made the BW100AD-3 one of the most sought after rollers in its class. This roller features more responsive controls for sensitive acceleration and braking to help deliver optimal productivity. Minimal lateral overhang and an unobstructed view of drum edges allow for working close to obstructions or in confined areas. Additionally, the BW100AD-3 offers two vibration frequencies to provide maximum compaction results on a wide range of materials.

### ■ Applications:

- Granular sub-base compaction
- Walkways, bicycle and cart paths
- Driveways
- Parking lots
- Road rehabilitation and patching



BW100AD-3 in action on an asphalt repair application

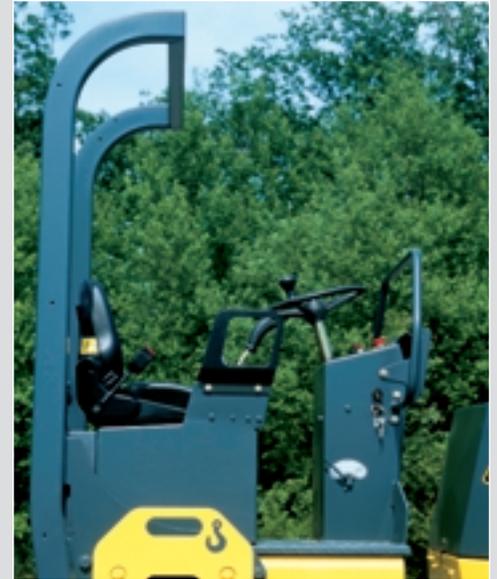
## Featuring...



Ergonomically engineered operator's compartment for maximal productivity

### ■ Handling is Easier & Safer:

- New support leg design offers better visibility of drum edges, avoiding costly damages while compacting around obstructions.
- Enlarged integrated lifting points makes transporting the BW100AD-3 easier with less risk of body damage.
- The vibration isolated operator's platform delivers fatigue-free operation on longer shifts and increases productivity.
- Hydraulic oil cooler with electric fan motor reduces noise emissions, providing better operating conditions for both the driver and other workers.
- The travel lever is mounted in a lower position for more comfortable operation.
- Hydrostatic travel pump offers a smoother and more responsive travel control.
- Standard ROPS with seat belts deliver additional operator safety.



Vibration isolated operators platform makes driving fatigue-free

## Light duty tandem models provide maximum versatility

### ■ Achieve Maximum Productivity:

- The BOMAG BW100AD-3 has two vibrating frequencies for better compaction on a wider range of materials; higher productivity on asphalt applications.
- Vibration is automatically shut off if working speeds are too high, eliminating operator error resulting in rippling of asphalt and costly rework.
- Large diameter drums reduce pushing and cracking of mat, delivering a high quality finish.
- High curb clearance and minimal lateral overhang allow for working close to obstructions.
- Two scrapers per drum ensure clean drums in either forward or reverse travel direction.
- Frequency and amplitude are matched to provide high performance on a wide range of applications.
- Water spray system automatically shuts off in neutral travel position, extending tank life.

### ■ Less Service & Maintenance:

- The purchase price is important, but so are the operating costs. Check these features:
- Drum shell thickness and end plates are designed to provide maximum strength for long life and durability.
  - Vandal protected instrument panel and covered ignition switch guard against on site electrical problems.
  - Bolt-on oscillating, articulation joint provides long life and simple replacement.
  - Wide opening lockable engine cover allows fast servicing and prevents vandalism.
  - The BOMAG oil filtration system extends oil and filter changes up to 2000 hours.
  - Vibration bearings and SAHR brakes are maintenance free.
  - Hydraulic test ports are easily accessible for quick trouble shooting.
  - Daily check points are quickly completed with visual indicators for hydraulic oil level, oil filter and air filter.
  - Electrical circuit diagnosis is easily done using the LED indicator lights on the electrical control board.



Bolt-on center-joint for long life and easy replacement



Easy access means fast servicing

*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

## BW100AD-3

### Shipping dimensions

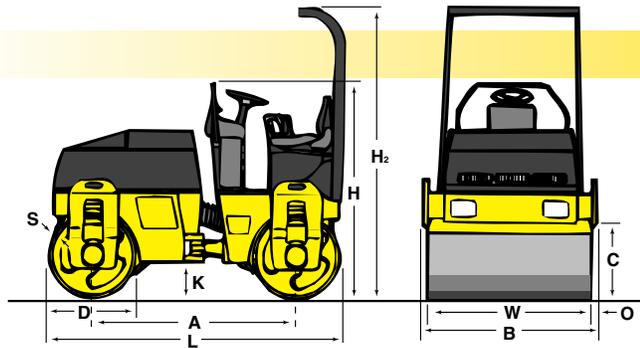
in cubic feet (m <sup>3</sup> )	without/with ROPS	
BW 100AD-3	165.9 (4.7)	231.3 (6.6)

### Standard Equipment

- Hydrostatic travel and vibration drives
- Bolt-on oscillating/articulation joint
- Hydrostatic articulated steering
- Spring-Applied, Hydraulically-Released (SAHR) parking brakes on each drum
- Vibration control in travel lever
- 2 scrapers per drum
- Adjustable operator's seat
- Plastic water tank
- Pressure water spray system with interval timer
- Control and warning indicator lights for:
  - Hydraulic oil temperature
  - Engine oil pressure and temperature
  - Battery
  - Brakes
- Hour meter
- Lockable engine cover
- Vandal protected instrument panel
- Transport lifting points front/rear
- Emergency stop button
- ROPS with seat belt
- Rear drum vibration lock out
- Corrosion and weather protected ignition switch

### Optional Equipment

- Working lights (front & rear)
- Edge cutter
- Back-up alarm
- Tool kit
- Lateral sliding comfort seat
- Special paint
- Folding ROPS w/ seat belt



### Dimensions in inches (mm)

	A	B	C	D	H	H <sub>2</sub>	K	L	O	S	W
BW100AD-3	67.9 (1725)	42.4 (1076)	21.9 (555)	27.5 (700)	70.9 (1800)	96.9 (2460)	9.3 (235)	95.5 (2425)	1.5 (38)	0.5 (13)	39.4 (1000)

### Technical data

#### Weights

Basic Weight with ROPS	lbs (kg)
Operating Weight	lbs (kg)
Average axle load	lbs (kg)
Average static linear load CECE	pli (kg/cm)

#### Dimensions

Length with ROPS	in (mm)
Track Radius, inner	in (mm)
Dimensions	see sketch

#### Driving Characteristics (depending on site conditions)

Speed (with vibration)	mph (kmph)	(0-5.6)
Speed (for transport)	mph (kmph)	(0-10.5)
Max. gradeability without/with vibration	%	40/30

#### Drive

Engine manufacturer	Deutz	
Type	F2L 1011	
Cooling - cylinder heads	Air	
Cooling - cylinder liners	Oil	
Number of cylinders	2	
Performance ISO 9249 (max)	hp (kW)	29.5 (22)
Speed (max)	rpm	3000
Performance SAE J1349 (max)	hp (kW)	33 (24.6)
Speed (max)	rpm	3000
Throttle position 1	rpm	2500
Throttle position 2	rpm	3000
Electric Equipment	V	12
Drive System	hydrostatic	
Drum Driven	f + r	

#### Brakes

Service brake	hydrostatic
Parking brake	SAHR

#### Steering

Steering system	oscillating, articulating	
Steering method	hydrostatic	
Steering angle +/-	degrees	30
Oscillating angle +/-	degrees	12

#### Vibratory system

Vibrating drum	f + r, f	
Drive system	hydrostatic	
Frequency	vpm (Hz)	3300/3960 (55/66)
Amplitude	in (mm)	0.020 (0.52)
Centrifugal force (each drum)	lbs (kN)	5242/7740 (23/34)

#### Water Spray System

Type of water spray system	pressurized
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#### Capacities

Fuel	gal (l)	9.2 (35)
Water	gal (l)	47.6 (180)
Engine oil	gal (l)	1.7 (6.5)

Technical modifications reserved. Machines may be shown with options.

# BOMAG

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