

# BOMAG

## Tandem Vibratory Roller

### BW135AD

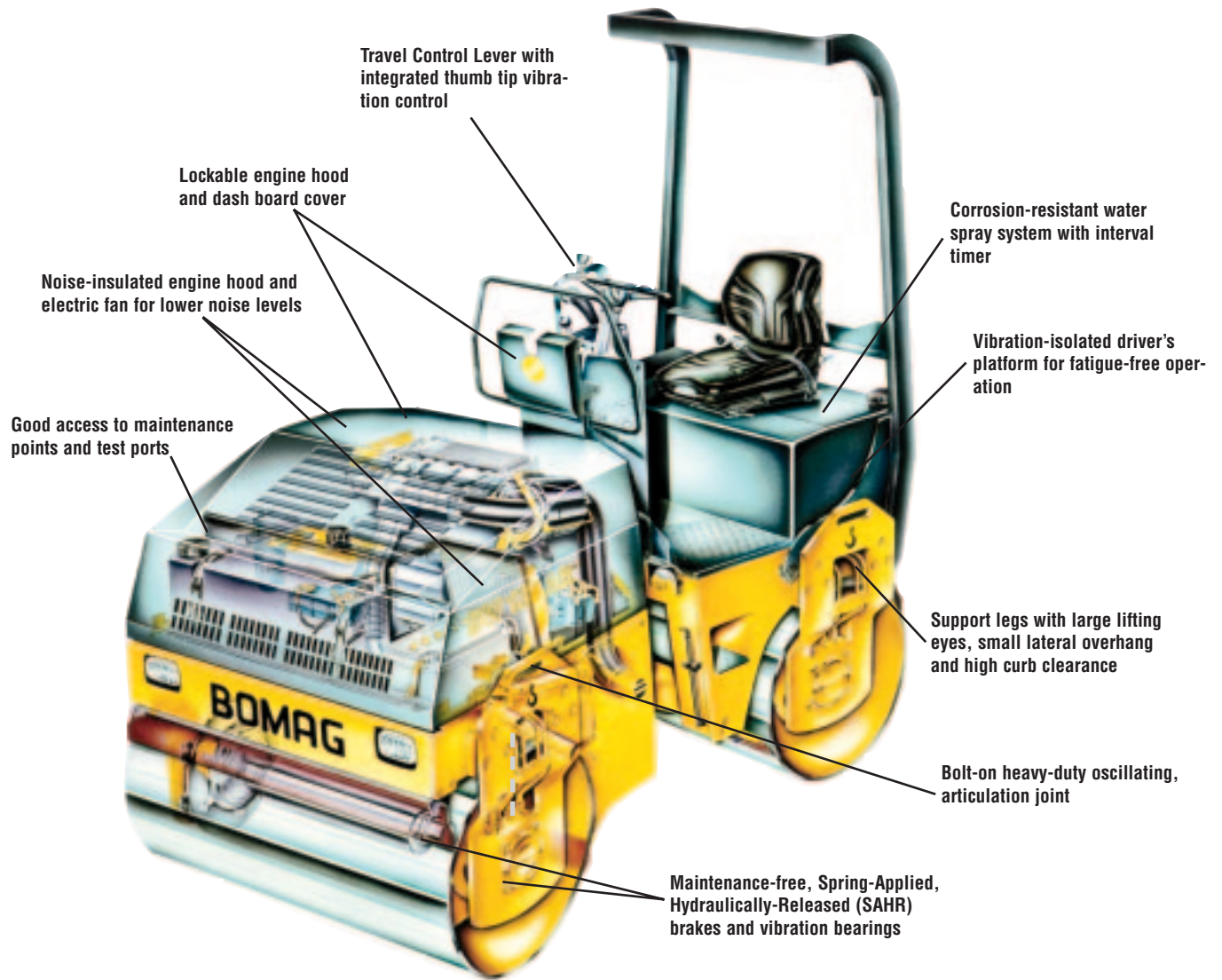


EARTHWORKS						
# passes	rolling speed (mph)	area coverage sq yd/hr	"productivity in cu yd/hr by lift thickness, 100% efficiency"			
			4 inches	6 inches	8 inches	12 inches
2	3.1	3880	432	648	863	1295
3	3.1	2587	288	432	576	863
4	3.1	1940	216	324	432	648
5	3.1	1552	173	259	345	518

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	3.1	3880	306	408	510	612
3	3.1	2587	204	272	340	408
4	3.1	1940	153	204	255	306
5	3.1	1552	122	163	204	245
6	3.1	1293	102	136	170	204

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 spacings of a minimum 10 impacts per foot. Actual compaction efficiency is determined by job conditions.

# BW135AD



## ■ *High compaction performance on sub-base and asphalt materials...*

With an operating weight of 7800 pounds, the BW135AD is one of the heavyweights of the compact tandem roller class. The ergonomic layout of the controls makes operation easy and fatigue free. A powerful three-cylinder engine provides power in reserve for tough compaction tasks. Excellent maneuverability, high compaction performance and unobstructed visibility combine to ensure maximum compaction performance on both soil and asphalt applications.

### ■ Applications:

- Highway construction and maintenance
- Walkways, bicycle and cart paths
- Driveways
- Parking lots
- Asphalt repairs and resurfacing



BW135AD in action on asphalt

## Featuring...



Ergonomic control layout for simple operation

### ■ Handling is Easier & Safer:

- Responsive travel controls help reduce the risk of rippling caused by operator error.
- Rubber-isolated driver's platform provides enhanced operator comfort and safety by minimizing vibration feedback.
- Simple control layout makes operation safe and easy, even for inexperienced operators.
- Lateral adjustment of driver's seat gives unequalled visibility of drum edges and makes maneuvering easy in confined areas.
- Raised and enlarged lifting eyes make transportation easier with less risk of damage.
- ROPS frame, with standard seat belt is prewired for a flashing beacon.



Wind protected spray nozzles for even drum coverage

## Compact tandem models provide maximum versatility

### ■ Achieve Maximum Productivity:

- A 0.66 inch drum shell provides maximum strength for long life and durability.
- The large capacity, corrosion-resistant plastic water tank allows extended operation between refills.
- 3-cylinder diesel engine with power in reserve is designed for highest reliability.
- Two vibration frequencies provide better compaction on a wider range of materials and higher working speeds on asphalt.
- Large diameter drums reduce mat pushing and cracking for a high quality finish.
- Two scrapers per drum reduce the risk of material pick up.
- Vandal-protected instrument panel and corrosion-proof ignition switch reduces electrical problems and costly on-site servicing.
- Lockable engine cover means all fill ports are out of sight to prevent vandalism.
- Tough, impact-resistant plastic water tank with large drain plug and quick-disconnect spray nozzles for easy cleaning eliminates corrosion and debris problems.
- Vibration is automatically shut off if operating speeds are too high, eliminating rippling through operator error and costly rework on asphalt.



The bolt-on oscillating, articulation joint is designed for long life even in tough site conditions

### ■ Less Service & Maintenance:

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

- Low maintenance reduces operating costs and increases profits.
- Vibration bearings and SAHR brakes are maintenance-free.
- Wide opening engine cover allows easy access for daily checks and routine servicing.
- Simple LED diagnostic system allows fast and simple trouble-shooting on site.
- Easy access to hydraulic test ports means fast servicing.
- BOMAG oil filtration system extends oil and filter changes up to 2000 hours or one year.
- Operator's daily checks for hydraulic oil level and filter, battery and air filter are quickly carried out visually.



The powerful diesel engine has low maintenance costs



Easily accessible components for fast maintenance

*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

## BW135AD

### Shipping dimensions

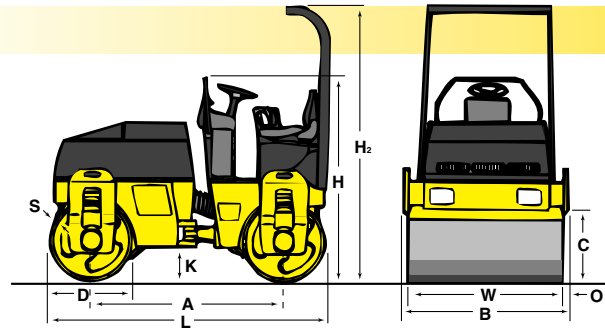
in cubic feet (m <sup>3</sup> )	without/with ROPS
BW135 AD	239.7 (6.8) 340.7 (9.7)

### 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
- Lateral sliding seat and controls assembly
- Vibration control in travel lever
- Adjustable operator's seat
- Plastic water tank
- 2 scrapers per drum
- 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
- Back-up alarm

### Optional Equipment

- Working lights (front & rear)
- Edge cutter
- Tool kit
- Special paint



### Dimensions in inches (mm)

	A	B	C	D	H	H <sub>2</sub>	K	L	O	S	W
BW135 AD	70.5 (1790)	54.3 (1380)	25.6 (650)	31.5 (800)	74.8 (1900)	106.3 (2700)	12.6 (320)	102 (2590)	1.6 (40)	0.66 (17)	51.2 (1300)

### Technical data

#### Weights

Basic Weight with ROPS	lbs	(kg)	7330	(3325)
Operating Weight	lbs	(kg)	7853	(3562)
Average axle load	lbs	(kg)	3910	(1772)
Average static linear load CECE	pli	(kg/cm)	76	(13.6)

#### Dimensions

Length with ROPS	in	(mm)	102.0	(2590)
Track Radius, inner	in	(mm)	143.7	(3650)
Dimensions	see sketch			

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

Speed (with vibration)	mph	(kmph)	0-3.1	(0-5.0)
Speed (for transport)	mph	(kmph)	0-6.2	(0-10.0)
Max. gradeability without/with vibration	%		40/30	

#### Drive

Engine manufacturer	Deutz		
Type	F3L 2011		
Cooling - cylinder heads	Air		
Cooling - cylinder liners	Oil		
Number of cylinders	3		
Performance ISO 9249 (max)	hp	(kW)	46.2 (34)
Speed (max)	rpm		2800
Performance SAE J1349 (max)	hp	(kW)	45.6 (34)
Speed (max)	rpm		2800
Throttle position 1	rpm		2200
Throttle position 2	rpm		2700
Electric Equipment	12 V		
Drive System	hydrostatic		
Drum Driven	f + r		

#### Brakes

Service brake	hydrostatic
Parking brake	SAHR

#### Steering

Steering system	oscillating, articulating
Steering method	hydrostatic
Steering angle +/-	25 degrees
Oscillating angle +/-	13 degrees

#### Vibratory system

Vibrating drum	f + r, f		
Drive system	hydrostatic		
Frequency	vpm	(Hz)	3560/3960 (59.4/66)
Amplitude	in	(mm)	0.016 (0.4)
Centrifugal force (each drum)	lbs	(kN)	8145/10060 (36.2/44.7)

#### Water Spray System

Type of water spray system	pressurized
----------------------------	-------------

#### Capacities

Fuel	gal	(l)	14.5	(55)
Water	gal	(l)	60.8	(230)
Engine oil	gal	(l)	1.7	(6.5)

Technical modifications reserved. Machines may be shown with options.

**BOMAG**  
FAYAT GROUP

**BOMAG Americas, Inc.**

2000 Kentville Rd. • Kewanee, IL 61443  
Tel: 309 853-3571 • Fax: 309 852-0350