



**BOMAG**  
FAYAT GROUP

## Tandem Vibratory Roller

**BW120AD-4**



### EARTHWORKS

# passes	rolling speed	area coverage	“productivity in cu yd/hr by lift thickness, 100% efficiency”			
	(mph)	sq yd/hr	4 inches	6 inches	8 inches	12 inches
2	4.77	5504	612	919	1225	1837
3	4.77	3669	408	612	817	1225
4	4.77	2752	306	459	612	919
5	4.77	2201	245	367	490	735

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

# passes	rolling speed	area coverage	“productivity in tons/hr by lift thickness, 100% efficiency”			
	(mph)	sq yd/hr	1.5 inches	2 inches	2.5 inches	3 inches
2	4.77	5504	434	579	723	868
3	4.77	3669	289	386	482	579
4	4.77	2752	217	289	362	434
5	4.77	2201	174	231	289	347
6	4.77	1835	145	193	241	289

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.

# BW120AD-4



## ■ *Dash 4 Series – Setting the standard for excellence...*

The next generation BW120AD-4, establishes the “benchmark” for all other competitive rollers to measure up to. Combining compact size and high maneuverability with heavy tandem roller features the new BW120AD-4 delivers outstanding performance.

This new model from BOMAG features more performance, increased productivity, improved safety details and unsurpassed operator comfort. Slanted drum support legs with high curb clearance, afford unobstructed view of the drum edges, minimal lateral

offset and the ability to work closely to obstructions and in confined areas.

The two (2) position throttle detail offers dual vibration frequencies, providing maximum compaction results on a wide range of applications and material types.

### ■ Applications:

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



BW120AD-4 shown with optional folding ROPS.

# Technical Specifications

## BW120AD-4

### Shipping dimensions

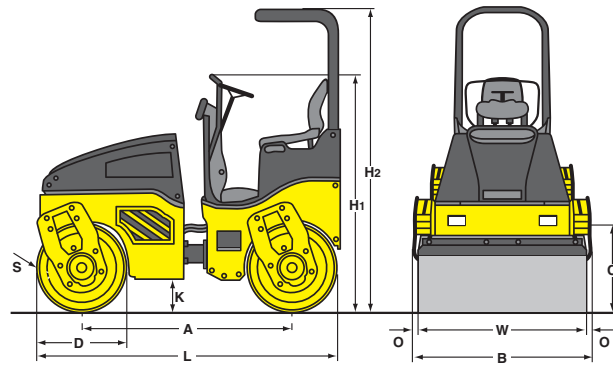
in cubic feet (m³)	without/with ROPS	
BW120AD-4	200.3 (5.67)	277.1 (7.85)

### Standard Equipment

- ☒ Oscillating articulating center joint
- ☒ 2 scrapers per drum
- ☒ Isolated operator's platform
- ☒ Plastic water tank
- ☒ Hour meter
- ☒ Lockable engine cover
- ☒ Crab walk offset (1.6 in / 40 mm)
- ☒ Lockable anti-vandal dashboard protection
- ☒ Transport lashing and lifting points front/rear
- ☒ Emergency stop button
- ☒ Vibration cut-off, rear drum
- ☒ Back-up alarm
- ☒ Water level indicator
- ☒ Fuel level indicator
- ☒ Pressurized water sprinkler system
- ☒ Laterally sliding seat with contact switch
- ☒ ROPS/FOPS with safety belts

### Optional Equipment

- ☐ Working lights front/rear
- ☐ Edge cutter
- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Biodegradable hydraulic oil
- ☐ Special paint
- ☐ Tool kit
- ☐ Double travel lever (Sliding Seat)
- ☐ Foldable ROPS with seat belts
- ☐ ROPS with seat belts



### Dimensions in inches (mm)

	A	B	C	D	H <sub>1</sub>	H <sub>2</sub>	K	L	O	S	W
BW120AD-4	68.0 (1728)	50.23 (1276)	18.7 (475)	27.6 (700)	70.9 (1800)	98.0 (2490)	9.8 (250)	97.2 (2470)	1.5 (38)	0.5 (13)	47.2 (1200)

### Technical data

### BOMAG BW120AD-4

#### Weights

Operating Weight.....	lbs (kg)	5732 (2600)
Average axle load .....	lbs (kg)	2866 (1300)
Average static linear load CECE .....	pli (kg/cm)	60.7 (10.8)

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

Speed (with vibration) .....	mph (kmph)	0-7.5 (0-12)
Speed (for transport) .....	mph (kmph)	0-7.5 (0-12)
Max. gradeability without/with vibration .....	%	40/30

#### Drive

Engine manufacturer.....	Kubota	
Type.....	D 1703 M	
Tier Compliance.....	Tier 4i	
Cooling.....	Water	
Number of cylinders.....	3	
Performance ISO 9249 (max) .....	hp (kW)	34.3 (25.2)
Speed (max).....	rpm	2700
Performance SAE J1349 (max).....	hp (kW)	33.8 (25.2)
Speed (max).....	rpm	2700
Throttle position 1 .....	rpm	2200
Throttle position 2 .....	rpm	2600
Electric Equipment.....	V	12

#### Brakes

Service brake .....	hydrostatic
Parking brake .....	SAHR

#### Steering

Steering system.....	oscillating, articulating	
Steering method.....	hydrostatic	
Steering angle +/-.....	degrees	30
Oscillating angle +/-.....	degrees	7
Track Radius, inner.....	in (mm)	103.1 (2620)

#### Vibratory system

Vibrating drum .....	f + r
Drive system.....	hydrostatic
Frequency .....	vpm (Hz) 3300/4200 (55/70)
Amplitude.....	in (mm) 0.020 (0.52)
Centrifugal force (each drum) .....	lbs (kN) 6300/10125 (28/45)

#### Water Spray System

Type of water spray system .....	pressurized
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#### Capacities

Fuel.....	gal (l)	10.6 (40)
Water .....	gal (l)	58.1 (220)

Technical modifications reserved. Machines may be shown with options.