

# Tandem Vibratory Rollers

**BW278AD-4 AM**

INTELLIGENT  
COMPACTION



## KEY FEATURES

- Intelligent Compaction Roller
- Directed Vibration
- Proof Rolling Capability
- Perimeter Frame Design
- BOP Display w/Real Time Data
- ECOMODE throttle control
- Onboard Printer
- Sliding and Swivel Seat
- Infinite Variable Frequency
- Asphalt Mat Temp Display

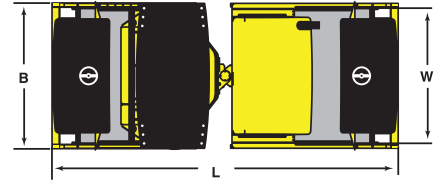
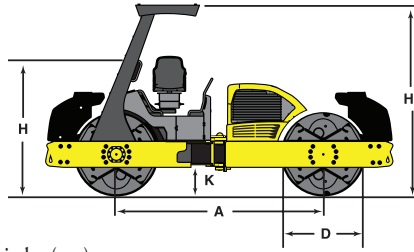


# Technical Specifications

## BW278AD-4 AM

### Shipping dimensions

in cubic feet (m <sup>3</sup> )	without	with ROPS
BW278AD-4 AM	835.1 (23.6)	1124.1 (31.8)



Dimensions in inches (mm)

	A	B	D	H	H2	K	L	W
BW278AD-4 AM	120 (3048)	84.5 (2146)	48 (1219)	78 (1981)	111 (2819)	15 (381)	200 (5080)	78 (1981)

### Technical data

**BOMAG**  
**BW278AD-4 AM**

#### Weights

Operating weight .....	lbs (kg)	26523 (12030)
Axle load (front).....	lbs (kg)	14614 (6629)
Axle load (rear).....	lbs (kg)	11909 (5401)
Average static linear load.....	front pli (kg/cm)	187 (32.1)
Average static linear load.....	rear pli (kg/cm)	153 (26.4)

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

Speed (1).....	mph (kmph)	0-5 (0-8.1)
Speed (2).....	mph (kmph)	0-7 (0-11.3)
Max. gradeability (without vibration).....	%	40

#### Drive

Engine type.....	Cummins QSB4.5
Tier compliance.....	Tier 3
Cooling.....	water
Number of cylinders.....	4
Performance SAE J 1349.....	hp (kW)
Speed.....	2200
Fuel.....	diesel
Electric equipment.....	12
Drive system / Drum driven.....	hydrostatic / f+r

#### Brakes

Service / Parking brake.....	hydrostatic / SAHR
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#### Steering

Steering / Oscillating angle +/-.....	degrees	34 / 12
Track Radius, inner.....	in (mm)	198 (5029)

#### Vario system (Front Drum)

Amplitude (directed).....	in (mm)	0 - 0.033 (0 - 0.83)
Frequency.....	vpm (Hz)	2500 - 3000 (42 - 50)
Centrifugal force - (maximum).....	lbs (kN)	45707 (203)

#### Vibratory system (Rear Drum in AM mode)

Amplitude - (low/high).....	in (mm)	0.017/0.027 (0.44/0.68)
Frequency.....	vpm (Hz)	2500 - 3000 (42 - 50)
Centrifugal force - (low/high).....	lbs (kN)	19691/31063 (89/138)

#### Vibratory system (Rear Drum only mode)

Low amplitude.....	in (mm)	0.017 (0.44)
Frequency.....	vpm (Hz)	2500 - 4000 (42 - 67)
Centrifugal force - (maximum).....	lbs (kN)	35536 (158)
High amplitude.....	in (mm)	0.027 (0.68)
Frequency.....	vpm (Hz)	2500 - 3300 (42 - 55)
Centrifugal force - (maximum).....	lbs (kN)	37586 (167)

#### Water Spray System

Type of system.....	pressurized
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#### Capacities

Fuel.....	gal (l)	60 (227)
Water tanks (total capacity).....	gal (l)	318 (1204)
Engine Oil.....	gal (l)	2.5 (9.5)

Technical modifications reserved. Machines may be shown with options.

### Standard Equipment

- Intelligent Compaction variomatic drum
- BOP display with AM II for Evib
- Onboard printer
- Cummins QSB4.5 tier 3 diesel
- ECOMODE throttle control
- 78" x 48" diameter machined drums
- LCD instrument panel
- Vandal protection
- Water saver system
- Pressurized, non-corrosive water spray system
- Hydrostatic drive
- Electronic controls
- Automatic vibrator "On/Off"
- Speed limiter travel design
- Secondary/Park Brake Release
- FOPS/ROPS with seat belts
- Asphalt mat temperature sensing system
- Back up alarm
- Horn
- Contact scrapers

### Optional Equipment

- Night paving lights
- BCM05 documentation
- GPS positioning
- Special paint
- Spring loaded scrapers
- Low water indicator
- Rotating beacon light - magnetic mount
- Working lights (front/rear)
- Turn signals and 4 way flashers