



BOMAG
FAYAT GROUP

Tandem Vibratory Rollers BW266AD-4, BW278AD-4



KEY FEATURES

- Low profile design for greater visibility.
- Two amplitudes for application variability.
- Joystick controls for ease of operation.
- Sliding/Pivoting seat for clean site lines to the drum edges.
- Optional night paving light package.
- 4000 VPM for greater productivity, smoothness and density.
- ECOMODE engine for increased fuel economy and decreased noise levels.
- Automatic start/stop settings ensure smooth mat transitions.



BW266AD-4, BW278AD-4



■ *High compaction performance on asphalt materials...*

With the growing number of high performance asphalt mix designs, and the increasing opportunities for bonuses on density and smoothness, BOMAG introduces two (2) new models to address this demand.

The BW266AD-4 and BW278AD-4 raise the standards again. Industry leading drum frequency and centrifugal forces, allow for higher paving speeds and faster achieved densities. Variable front and rear drum vibration frequencies allow the BW266AD-4 and BW278AD-4 to meet specified smoothness and density requirements. Auto Start-stop settings for vibration provides total repeatability of system settings and rolling patterns. As world leader in compaction technology, BOMAG provides cost effective solutions for every application.

■ Applications:

- Highway Construction and Maintenance
- Asphalt Repairs and Resurfacing
- Parking Lots
- Airports



BW278AD-4 in action on asphalt

Achieve Maximum Productivity:

- Sliding-Swivel seat and low frame design, deliver unequalled operator visibility for the optimum productivity.
- Industry leading high vibration frequency permits maximum compacting speeds for unequalled productivity.
- Fully hydrostatic drive, with low-speed high torque wheel motor on each drum, delivers excellent gradeability with smooth speed and directional changes.
- Joystick control and simple switches deliver ultimate control over productivity, allowing the operator to input maximum working speed and automatic vibration start/stop speeds.
- Drum impact spacing is displayed, allowing the operator to control densities, smoothness, and rolling patterns.
- Interval waterspray feature optimizes water consumption



The optional Asphalt Mat Temperature Sensing System measures the material temperature which is critical for asphalt mix projects.

Safety and Maintenance Features

Safer & Less Maintenance:

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

- Cockpit design increases operator efficiency by ergonomically positioning controls for natural operator movement.
- Asphalt mat temperature sensing system allow for a real-time display of the asphalt surface temperature.
- Falling-Object/Roll-Over Protective Structure and seat belts are standard equipment on the BW266 and BW278.
- A high-output/low-mass vibratory mechanism has oil bath bearings for extended life and reduced maintenance.
- There are no “grease daily” fittings on the BW266 or BW278.
- Single Hood offers ease of service from a standing position.
- ECOMODE offers quieter operation and lowers fuel consumption by automatically matching engine speed to travel speed and vibration requirements.
- Cummins QSB 4.5 liter turbocharged and after cooled diesel engine provides 130 hp with reserve power for the toughest jobs.
- Hydraulic oil is filtered with a high efficiency 5-micron filter to help extend life of hydraulic components.
- Easily accessible pressure test ports, built into the hydraulic system, have standard capped fittings for quick, effortless service.
- Non-corrosive, dual pressurized water spray systems, one for each drum, include polyethylene tanks, fill port strainer, 100-mesh pump inlet screen, PVC spray bars, and quick-connect nozzles for superior reliability.



The engine is placed low in the frame for ease of service and operator visibility

Featuring...



Easy opening, single hood, allows service with your feet on the ground.



Joystick control travel direction, speed, steering, manual vibration on/off and control actuation from either seating position.



Vertical side by side coolers allow easy access for quick cleaning.

Best for
COMPACTION

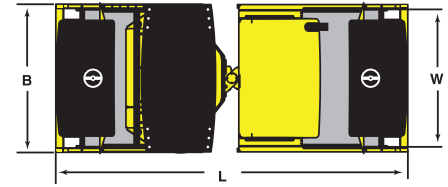
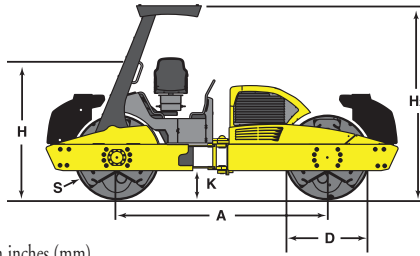
With these features and many more, it's easy to see why this model offers high value while delivering lower lifetime operating costs.

Technical Specifications

BW266AD-4, BW278AD-4

Shipping dimensions

in cubic feet (m ³)	without / with ROPS	
BW266AD-4	736.3 (20.7)	984.4 (27.9)
BW278AD-4	835.1 (23.6)	1124.1 (31.8)



Standard Equipment

- Cummins QSB4.5 diesel
- ECOMODE
- Two contact scrapers per drum
- 66" x 48" diameter machined drums (BW266AD-4)
- 78" x 48" diameter machined drums (BW278AD-4)
- LCD instrument panel
- Vandal protection
- Dual amplitude
- Water saver system
- Pressurized, non-corrosive water spray system
- Hydrostatic drive
- Electronic controls
- Automatic vibrator "On / Off"
- Speed limiter
- Secondary / park brake release
- FOPS/ROPS with seat belts
- Back up alarm
- Horn

Optional Equipment

- Asphalt mat temperature sensing system
- Working lights (front/rear)
- Night paving light package
- Turn signals and 4 way flashers
- Pivoting spring loaded scrapers - two per drum
- Low water indicator
- Rotating beacon light
- Special paint color

Dimensions in inches (mm)

	A	B	D	H	H2	K	L	S	W
BW266AD-4	120 (3048)	72 (1829)	48 (1219)	78 (1981)	111 (2819)	15 (381)	200 (5080)	0.70 (17.78)	66 (1676)
BW278AD-4	120 (3048)	84.5 (2146)	48 (1219)	78 (1981)	111 (2819)	15 (381)	200 (5080)	0.70 (17.78)	78 (1981)

Technical data

Weights

	BW266AD-4	BW278AD-4
Shipping Weight with ROPS.....	22200 (10070) lbs (kg)	23900 (10841) lbs (kg)
Operating Weight with ROPS.....	24000 (10886) lbs (kg)	25800 (11703) lbs (kg)
Axle load, (front).....	11750 (5330) lbs (kg)	12650 (5738) lbs (kg)
Axle load, (rear).....	10450 (4740) lbs (kg)	11250 (5103) lbs (kg)
Average static linear load	182 (32.5) pli (kg/cm)	160 (29) pli (kg/cm)

Driving Characteristics (depending on site conditions)

	BW266AD-4	BW278AD-4
Speed (1).....	0-5 (0-8.1) mph (km/hr)	0-5 (0-8.1) mph (km/hr)
Speed (2).....	0-10(0-16.1) mph (km/hr)	0-10 (0-16.1) mph (km/hr)
Max. gradeability without/with vibration.....	40 %	40 %

Drive

	BW266AD-4	BW278AD-4
Engine manufacturer.....	Cummins	Cummins
Type.....	QSB4.5	QSB4.5
Tier compliance	Tier 3	Tier 3
Cooling	Water	Water
Number of cylinders	4	4
Performance SAE J 1995.....	130 (97) hp (kW)	130 (97) hp (kW)
Speed	2200 rpm	2200 rpm
Fuel.....	diesel	diesel
Electric Equipment	12 V	12 V
Drive System.....	hydrostatic	hydrostatic
Drum Driven.....	f+r	f+r

Brakes

	BW266AD-4	BW278AD-4
Service brake	hydrostatic	hydrostatic
Parking brake	SAHR	SAHR

Steering

	BW266AD-4	BW278AD-4
Steering angle +/-	34 degrees	34 degrees
Oscillating angle +/-	12 degrees	12 degrees
Track Radius, inner.....	163 (4140) in (mm)	198 (5029) in (mm)

Vibrating system (f, r, f+r)

	BW266AD-4	BW278AD-4
Drive system	hydrostatic	hydrostatic
Low Amplitude.....	0.020 (0.50) in (mm)	0.017 (0.44) in (mm)
Frequency	2500 - 4000 (42- 67) vpm (Hz)	2500 - 4000 (42- 67) vpm (Hz)
Centrifugal force - (maximum)	35536 (158) lbs (kN)	35536 (158) lbs (kN)
High Amplitude.....	0.031 (0.78) in (mm)	0.027 (0.68) in (mm)
Frequency	2500 - 3300 (42 - 55) vpm (Hz)	2500 - 3300 (42 - 55) vpm (Hz)
Centrifugal force - (maximum)	37586 (167) lbs (kN)	37586 (167) lbs (kN)

Water Spray System

	BW266AD-4	BW278AD-4
Type of system.....	Pressurized	Pressurized
Back-up system	Pressurized	Pressurized

Capacities

	BW266AD-4	BW278AD-4
Fuel.....	50 (189) gal (l)	60 (227) gal (l)
Cooling system.....	19 (18) qts (l)	19 (18) qts (l)
Engine.....	17 (16) qts (l)	17 (16) qts (l)
Water Tank (2).....	318 (1204) gal (l)	318 (1204) gal (l)