

BOMAG

Tandem Vibratory Roller

BW266 / BW278



BW266 ASPHALTIC CONCRETE (material weight 140 lb/cu ft)

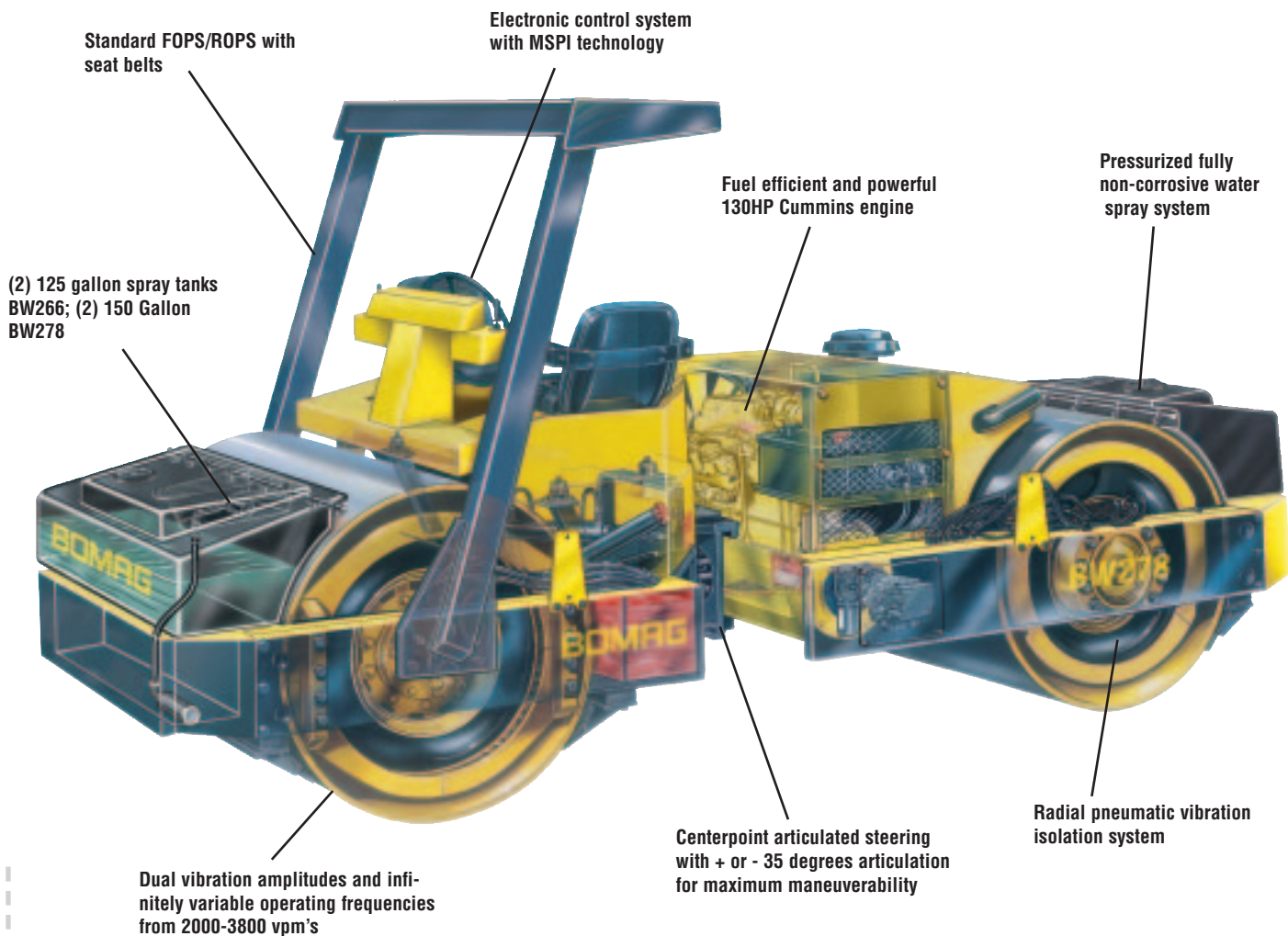
# passes	rolling speed	area coverage sq yd/hr	“productivity in tons/hr by lift thickness, 100% efficiency”			
	(mph)		1.5 inches	2 inches	2.5 inches	3 inches
2	4.32	6970	549	732	915	1098
3	4.32	4646	366	488	610	732
4	4.32	3485	274	366	457	549
5	4.32	2788	220	293	366	439
6	4.32	2323	183	244	305	366

BW278 ASPHALTIC CONCRETE (material weight 140 lb/cu ft)

# passes	rolling speed	area coverage sq yd/hr	“productivity in tons/hr by lift thickness, 100% efficiency”			
	(mph)		1.5 inches	2 inches	2.5 inches	3 inches
2	4.32	8237	649	865	1081	1297
3	4.32	5491	432	577	721	865
4	4.32	4118	324	432	541	649
5	4.32	3295	259	346	432	519
6	4.32	2746	216	288	360	432



BW266 / BW278



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

As the Asphalt industry moves toward higher compaction and production standards for asphalt paving requirements, BOMAG introduces two (2) new models to address this demand. The BW266 and BW278 raise the standards to which all competition must now try to meet. Industry class high drum vpm's and centrifugal forces, allow for higher paving speeds and faster achieved densities. Independently variable front and rear drum vibration frequencies allow the BW266 and BW278 to meet specified smoothness and density requirements. Exclusive MSPI technology 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



BW266 in action on asphalt

Achieve Maximum Productivity:

- Dual center-facing seats and low frame design, deliver unequalled operator visibility for optimum productivity.
- Industry class 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.
- Multi-System Performance Indicator (MSPI) delivers ultimate control over productivity by allowing the operator to input maximum working speed and automatic vibration start/stop speeds.
- MSPI calculates drum impact spacing allowing the operator to control densities, smoothness and rolling patterns.
- Interval waterspray feature optimizes water consumption



The Asphalt Mat Temperature Sensing System's on-the-go measuring of the material temperature is critical for Super Pave projects

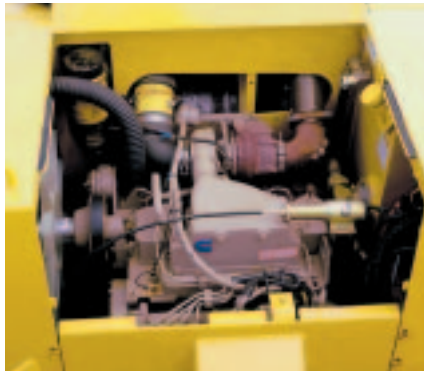
- Directional/Speed Control Lever with integrated thump-tip manual vibration start/stop switch permits optimum control of vibration system.

Safety and Maintenance Features

Safer & Less Maintenance:

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

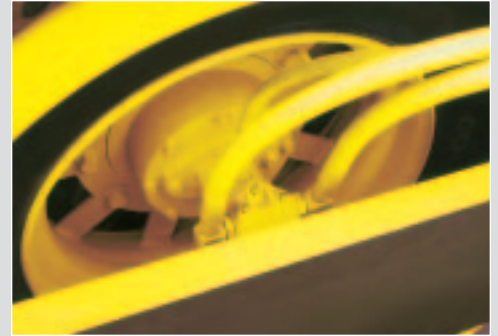
- Cockpit design increases operator efficiency by positioning controls for natural operator movement and dual center-facing seats provide excellent visibility in both travel directions.
- Asphalt mat temperature sensing system allow for a real-time display of the asphalt surface temperature.
- Falling-Object/Roll-Over Protective Structure and seat belts are standard equipment on the BW266 and BW278.
- Radial pneumatic vibratory-drum isolators give superior vibration isolation and long service life.
- A high-output/low-mass vibratory mechanism has oil bath bearings for long life and reduced maintenance.
- Ported hitch design eliminates hose bundles and torsional stresses on the hoses.
- There are no "grease daily" fittings on the BW266 or BW278.



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

- Cummins 4B 3.9 liter turbocharged and after cooled diesel engine provides 130 hp with reserve power for the toughest jobs.
- Oil filtered with a high-efficiency 5-micron filter to help extend life of hydraulic components.
- 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 tank, fill port strainer, 100-mesh pump inlet screen, PVC spray bars, quick-connect nozzles for superior reliability.

Featuring...



Radial pneumatic isolators ensure vibratory energy is transmitted to the work, not the machine



Dual levers control travel direction, speed, manual vibration on/off and MSPI input from either seating position.



The MSPI system offers optimized control for maximum roller productivity.

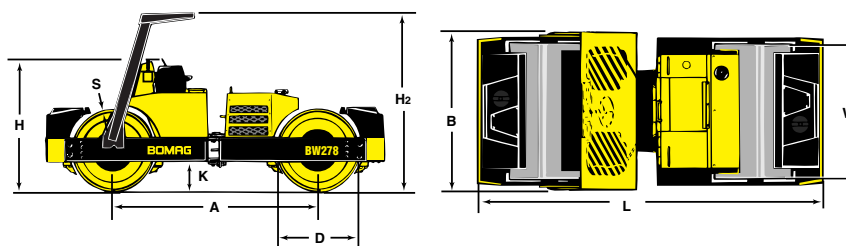
With these features and many more, it's easy to see why this model maintains a high residual value while delivering lower lifetime operating costs.

Technical Specifications

BW266 / BW278

Shipping dimensions

in cubic feet (m ³)	without	/ with ROPS
BW266	736.3 (20.7)	984.4 (27.9)
BW278	835.1 (23.6)	1124.1 (31.8)



Standard Equipment

- ☒ Cummins 4B 3.9 Diesel Engine
- ☒ Front and Rear Drum Scrapers
- ☒ 66" x 48" Diameter Machined Drums (BW266)
- ☒ 78" x 48" Diameter Machined Drums (BW278)
- ☒ Multi-System Performance Indicator (MSPI)
- ☒ Vandal Protection
- ☒ Horn
- ☒ 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
- ☒ Asphalt Mat Temperature Sensing System
- ☒ Working lights (front/rear)
- ☒ Turn Signals and 4 way flashers
- ☒ Back Up Alarm

Optional Equipment

- ☐ Night Paving Lights
- ☐ Special paint

Dimensions in inches (mm)

	A	B	D	H	H2	K	L	S	W
BW266	120 (3048)	81 (2057)	48 (1219)	78 (1981)	105 (2667)	15 (381)	200 (5080)	0.70 (17.78)	66 (1676)
BW278	120 (3048)	92.5 (2350)	48 (1219)	78 (1981)	105 (2667)	15 (381)	200 (5080)	0.70 (17.78)	78 (1981)

Technical data

Weights

	BW266	BW278
Shipping Weight with ROPS	19150 (8694)	21750 (9875)
Operating Weight with ROPS	20600 (9352)	23500 (10669)
Axle load, (front)	10757 (4879)	12154 (5513)
Axle load, (rear)	9843 (4465)	11345 (5146)
Average static linear load	156 (71)	151 (68)

Dimensions

	BW266	BW278
Working width	66 (1676)	78 (1981)
Track Radius, inner	156 (3962)	150 (3810)
Dimensions	see sketch	see sketch

Driving Characteristics (depending on site conditions)

	BW266	BW278
Speed (1)	0-5 (0-8.1)	0-5 (0-8.1)
Speed (2)	0-10 (0-16.1)	0-10 (0-16.1)
Max. gradeability without/with vibration	40	40

Drive

	BW266	BW278
Engine manufacturer	Cummins	Cummins
Type	4B3.9 QSB-C130	4B3.9 QSB-C130
Cooling	Water	Water
Number of cylinders	4	4
Performance SAE J 1349	130 (97)	130 (97)
Speed	2500 rpm	2500 rpm
Fuel	diesel	diesel
Electric Equipment	12 V	12 V
Drive System	hydrostatic	hydrostatic
Drum Driven	f+r	f+r

Brakes

	BW266	BW278
Service brake	hydrostatic	hydrostatic
Parking brake	SAHR	SAHR

Steering

	BW266	BW278
Steering system	oscill., artic.	oscill., artic.
Steering method	hydraulic	hydraulic
Steering angle +/-	35 degrees	35 degrees
Oscillating angle +/-	12 degrees	12 degrees

Vibratory system

	BW266	BW278
Vibrating system	f, r, f+r	f, r, f+r
Drive system	hydrostatic	hydrostatic
Frequency max. (low/high)	3400/3800 (57/63)	3400/3800 (57/63)
Amplitude (low/high)	0.020/0.030 (0.508/0.762)	0.020/0.030 (0.508/0.762)
Centrifugal force (low/high)	27580/32950 (122.6/146.4)	30368/37099 (135.0/164.9)

Water Spray System

	BW266	BW278
Type of system	Pressurized	Pressurized
Back-up system	Pressurized	Pressurized

Capacities

	BW266	BW278
Fuel	50 gal (189 l)	60 gal (227 l)
Cooling system	19 qts (18 l)	19 qts (18 l)
Engine	22 gal (83.3 l)	22 gal (83.3 l)
Water tank (each)	125 gal (473 l)	150 gal (568 l)

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