

Pneumatic Tired Roller

BW11RH



TIRE INFLATION PRESSURE			GROUND CONTACT PRESSURE						
Wheel Loads	P.S.I		P.S.I			P.S.I			
	lbs	Combinations	lbs	12 Ply tire pressure			Opt 14 Ply Radial tire pressure		
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	0	4,500 (2,041 kg)	46	49	55	32	46	61	81
2,000 (907 kg)	2,000 (907 kg)	7,000 (3,175 kg)	53	63	77	40	57	72	99
3,000 (1,360 kg)	6,000 (2,721 kg)	12,000 (5,443 kg)	X	75	85	X	61	73	94

Operating weight, 9975 lbs (4525 kg), includes ROPS, full fuel tank, 1/2 full water spray tank, and 175 lbs (80 kg) operator.

BW11RH



■ *BW11RH - continuing the tradition of excellence...*

The BW11RH pneumatic tired roller is one of the most versatile machines in the Bomag line. This roller achieves its high compaction performance through the combined effect of vertical pressure with the horizontal forces directed to all sides under each of the nine, overlapping tires. Wheels and frame oscillate to deliver balanced wheel loads and uniform compaction. Further enhancing its versatility and maneuverability, the BW11RH's hydrostatic, centerpoint, articulated steering delivers a short, nine foot turning radius achieving optimum compaction on tight, curving curblines.

■ Applications:

- Highway construction and maintenance
- Driveways
- Parking lots
- Chip and seal



BW11RH in action on an asphalt resurfacing application



Dual, center facing seats provide excellent visibility in both travel directions

■ Handling is Easier & Safer:

- Hydrostatic Steering with automotive type steering wheel provides controlled maneuverability through turns.
- Brakes apply automatically when engine is shut down or with loss of transmission system hydraulic pressure.
- Functional frame design incorporates strategically placed ballast compartments providing a low center of gravity, exceptional stability and uniform weight distribution.
- Standard ROPS/FOPS with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.

Pneumatic tired models provide maximum versatility

■ Achieve Maximum Productivity:

- Centerpoint steering allows the wheels to provide full width coverage on turns requiring fewer passes to achieve optimum compaction results.
- Three speed hydrostatic transmission provides maximum gradeability in low range, optimum performance in medium or work range and top production in high range.
- Short, nine foot inside turning radius, accomplished through 35 degree centerpoint articulation, takes compaction up to tight, curving curblines.
- Ten degrees oscillation assures uniform compaction on irregular surfaces.
- Dual, center facing seat cockpit design places controls within easy reach and provides excellent visibility in both travel directions.
- Optional heat retention shields help maintain high tire temperatures, preventing asphalt pickup that could damage the mat.
- The pressurized water spray system provides efficient water usage, extending time between refills.
- The low speed, high torque travel motors provide three operating speed ranges.

■ Less Service & Maintenance:

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

- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision.
- Wide opening engine doors allow easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, centerpoint oscillating and articulating centerjoint provides long life.
- Self-lubricating bushings are virtually maintenance-free.
- The frame is constructed of heavy steel plate to provide maximum strength and durability.

Featuring...



Cockpit design places controls within easy reach and provides unobstructed visibility



Cocoa mats on each tire help eliminate material pick-up

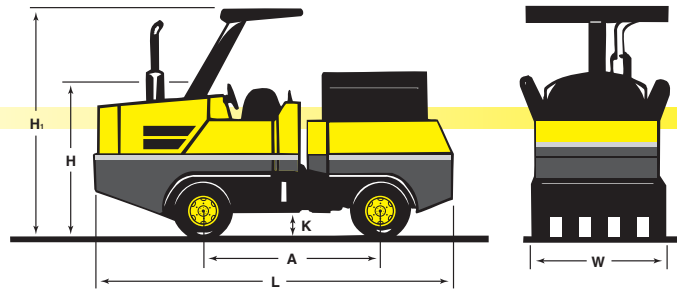


Easy access means fast servicing

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

BW11RH



Dimensions in inches (mm)

	A	H	H ₁	K	L	W
BW11 RH	88 (2235)	78 (1981)	113 (2870)	13 (330)	175 (4445)	68 (1727)

Shipping dimensions

in cubic feet (m ³)	without/with ROPS/FOPS
BW11 RH	568.7 (16.1) 824 (23.3)

Standard equipment

- Hydrostatic transmission
- Cummins 4B3.3TA diesel engine
- Nine 7.50 x 15, 12 ply tires
- Fuel gauge
- Horn
- Hydrostatic, center articulated steering with ± 10° frame oscillation
- Rear wheel oscillation:
 - ± 4° outside
 - ± 5° center
- Spring-Applied, Hydraulically-Released (SAHR) brakes
- 150 gallon polyethylene water tank
- Pressurized water spray system
- Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

Optional equipment

- Headlights (front and rear)
- Turn signals and 4-way flashers
- Heat retention shields
- Special paint, 1 color (Enamel only)
- 14 Ply Tires Radial

Technical data

Weights

Basic/Shipping weight.....	lb	(kg)	9000	(4080)
Operating weight (unballasted).....	lb	(kg)	9975	(4525)
Operating weight (max. ballasted).....	lb	(kg)	27000	(12245)
Average wheel load, (max.).....	lb	(kg)	3000	(1360)

Dimensions

Working width.....	in	(mm)	68	(1727)
Wheel track overlap.....	in	(mm)	0.5	(12.5)
Height with ROPS/FOPS.....	in	(mm)	113	(2870)
Track radius, inner.....	in	(mm)	108	(2745)
Dimensions.....	see sketch			

Driving Characteristics

Speed (low).....	mph	(kmph)	8.0	(12.9)
Speed (medium).....	mph	(kmph)	10.5	(16.9)
Speed (high).....	mph	(kmph)	15.5	(25.0)

Drive

Engine manufacturer.....	Cummins			
Type.....	4B3.3TA			
Cooling.....	water			
Number of cylinders.....	4			
Performance SAE J1349.....	hp	(kW)	85	(63)
Speed.....	rpm		2600	(2600)
Fuel.....	diesel			
Electric equipment.....	12 V			
Drive system.....	hydrostatic			
Driven axles.....	front			

Tires

Number of tires, front/rear.....	4/5
Tire size.....	7.50 x 15, 12 ply
Oscillation of tires rear, outside/center.....	degrees 4/5

Brakes

Service brake.....	hydrostatic
Secondary/Parking brake.....	SAHR

Steering

Steering system.....	oscillating, articulating
Steering method.....	hydrostatic
Steering angle +/-.....	degrees 35
Oscillating angle +/-.....	degrees 10

Water Spray System

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

Fuel.....	gal	(l)	30	(114)
Water.....	gal	(l)	150	(568)
Engine oil.....	gal	(l)	2.5	(9.5)
Hydraulic fluid.....	gal	(l)	28.5	(30)

Technical modifications reserved. Machines may be shown with options.

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