

# Pneumatic Tired Roller

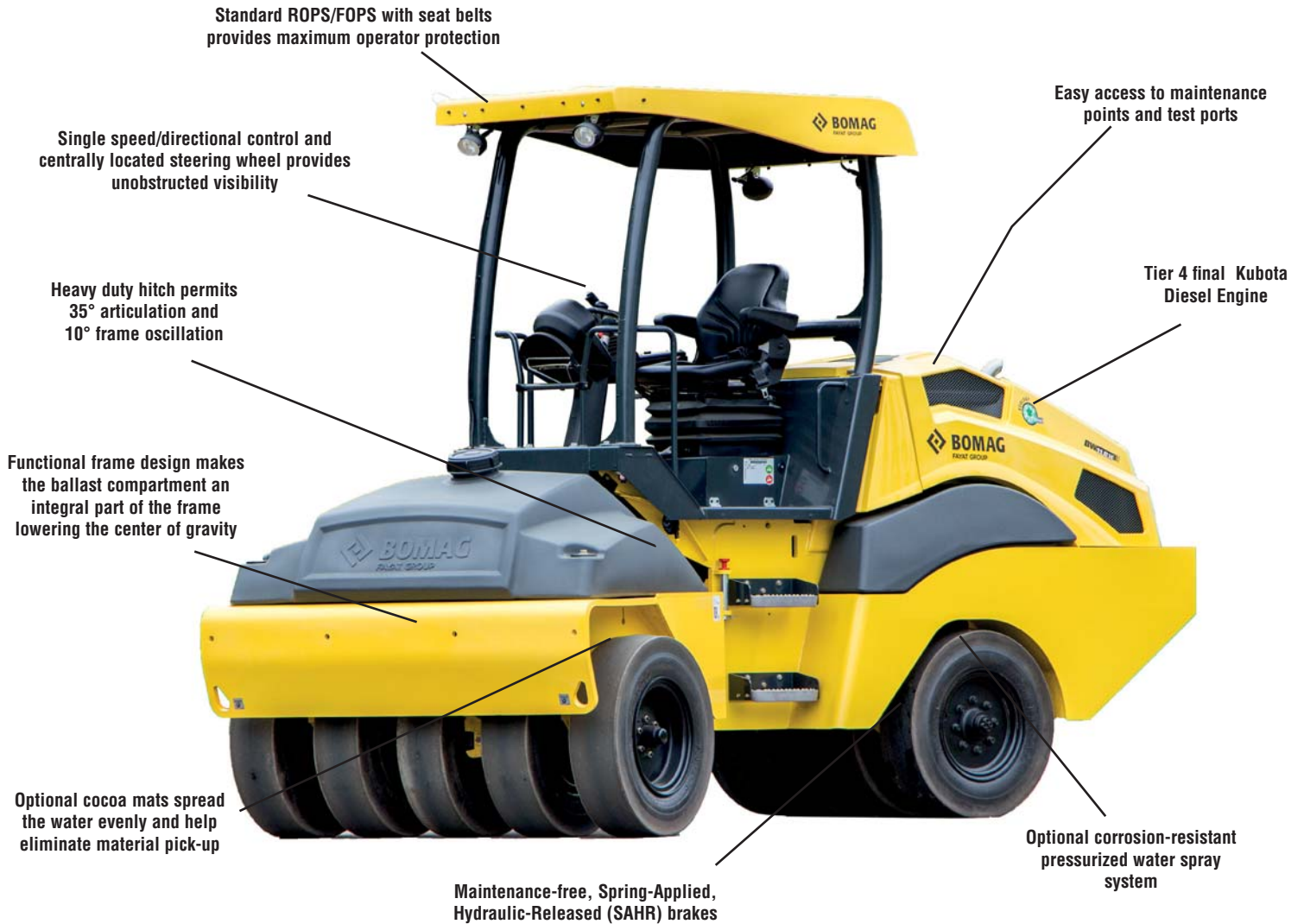
## BW11RH-5



TIRE INFLATION PRESSURE P.S.I			GROUND CONTACT PRESSURE P.S.I						
Wheel Loads lbs	Ballast Combinations Front	Combinations Rear lbs	14 Ply tire pressure			Opt 14 Ply Radial tire pressure			
			45	75	100	45	75	100	130
1,500 (680 kg)	3,355 (1,521 kg)	0	46	49	55	32	46	61	81
2,000 (907 kg)	5,855 (2,655 kg)	1,070 (485 kg)	53	63	77	40	57	72	99
2,222 (1,006 kg)	6,965 (3,153 kg)	1,958 (886 kg)	X	68	82	X	61	73	94

Operating weight, 12,231 lbs (5547 kg), includes ROPS, full fuel tank, 1/2 full water spray tank, and 175 lbs (80 kg) operator.

# BW11RH-5



## ■ *BW11RH-5 - continuing the tradition of excellence...*

The BW11RH-5 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-5's hydrostatic, centerpoint, articulated steering delivers a short, ten 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*



*Center swivel seat provides excellent comfort and visibility in both travel directions*

## *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, ten 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.
- Center swivel 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.
- Optional pressurized water spray system provides efficient water usage, extending time between refills.

### **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 when fully ballasted.
- Standard ROPS/FOPS, which also functions as sun canopy, with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.
- Zero overhang; two inches overhang with optional pressurized water spray system and heat shields

### **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. Brakes meet highest standards, ISO 3450.
- Wide opening engine hood allows easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, maintenance free 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.

*Best for*  
**COMPACTION**

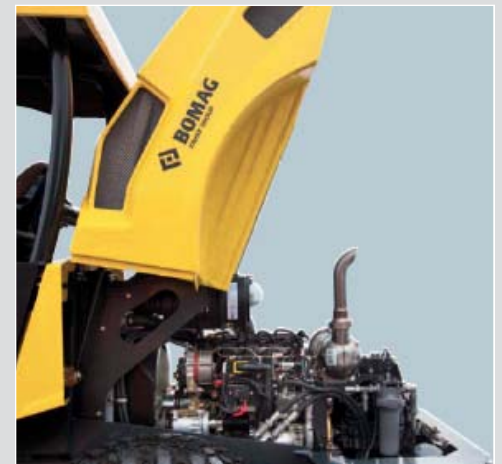
## *Featuring...*



*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-5

### Shipping dimensions

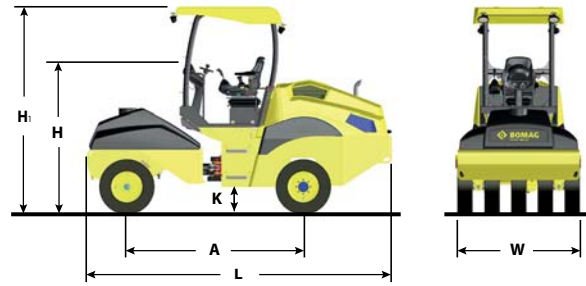
in cubic feet (m <sup>3</sup> )	without/with ROPS/FOPS
BW11RH-5	568.7 (16.1) 824 (23.3)

### Standard equipment

- Hydrostatic transmission
- Tier 4 final Kubota Diesel Engine
- Nine 7.50 x 15, 14 ply tires
- Fuel gauge
- Horn
- Hydrostatic, center articulated steering with  $\pm 10^\circ$  frame oscillation
- Rear wheel oscillation:
  - $\pm 4^\circ$  outside
  - $\pm 5^\circ$  center
- Spring-Applied, Hydraulically-Released (SAHR) brakes
- 140 gallon polyethylene water tank
- Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

### Optional equipment

- Cabin with heat & A/C
- Headlights (front and rear)
- Turn signals and 4-way flashers
- Heat retention shields
- Pressurized water spray system
- Special paint, 1 color (Enamel only)
- Radial Tires w/ approx. 14 ply rating
- Steel ballast



### Dimensions in inches (mm)

	A	H	H <sub>1</sub>	K	L	W
BW11RH-5	100 (2540)	82 (2083)	113 (2870)	13 (330)	173 (4445)	68 (1727)

### Technical data

#### Weights

Basic/Shipping weight.....	lb (kg)	11075 (5022)
Operating weight (unballasted).....	lb (kg)	12231 (5547)
Operating weight (max. allowable ballast) w/ ROPS/FOPS.....	lb (kg)	20000 (9054)
Operating weight (max. allowable ballast) w/ cab.....	lb (kg)	20000 (9054)
Average wheel load, (max.).....	lb (kg)	2222 (1006)

#### 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)	122 (3099)
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.....	Kubota
Type.....	V3307
Emissions Standard.....	Tier 4 final
Cooling.....	water
Number of cylinders.....	4
Performance SAE J1995.....	74 (55) hp (kW)
Speed.....	2600 rpm
Fuel.....	diesel
Electric equipment.....	12 V
Drive system.....	hydrostatic
Driven axles.....	front

#### Tires

Number of tires, front/rear.....	5/4
Tire size.....	7.50 x 15, 14 ply
Oscillation of tires front, outside/center.....	4/5 deg

#### Brakes

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

#### Steering

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

#### Water Spray System (optional)

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

Fuel.....	gal (l)	50 (190)
Water.....	gal (l)	140 (532)
Engine oil.....	gal (l)	2.5 (9.5)
Hydraulic fluid.....	gal (l)	28.5 (108)

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