



## TANDEM VIBRATORY ROLLER BW100SL-5 and BW120SL-5



### KEY FEATURES

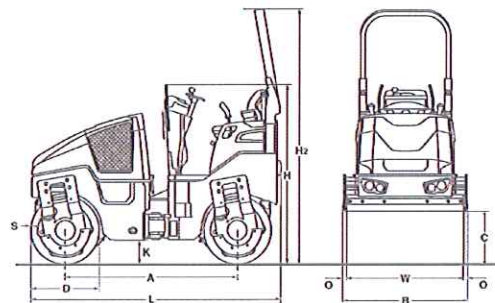
- Tier 4 final Kubota diesel engine without exhaust after-treatment system
- Easy & simple operations
- Wind protected water spray nozzles
- No daily grease points
- High frequency: 72Hz / 4320 VPM
- Maintenance free articulation

# Preliminary Specifications

## BW 100 SL-5, BW 120 SL-5

Shipping dimensions in ft<sup>3</sup> (m<sup>3</sup>)

BW 100 SL-5	247 (7)
BW 120 SL-5	293 (8.3)



### Standard Equipment

- ☒ Foldable ROPS
- ☒ Hydrostatic travel and vibration drive
- ☒ Pressure sprinkler system with interval switch
- ☒ Suspended operator's platform
- ☒ 2 scrapers per drum, spring loaded and tiltable
- ☒ Multi-function travel lever
- ☒ Multi-function display incl. operating hour meter
- ☒ Water level
- ☒ Fuel level
- ☒ Electric fuel gauge
- ☒ Emergency STOP
- ☒ Individual control, vibration
- ☒ Intelligent Vibration Control (IVC)
- ☒ Integrated stowage compartment
- ☒ Adjustable operator's seat
- ☒ Lashing eyes, galvanized
- ☒ Back-up alarm
- ☒ Single point lifting device
- ☒ V-belt protection
- ☒ Vandalism protection
- ☒ Lockable engine hood made of composite material
- ☒ Working lights front and rear
- ☒ 12V socket
- ☒ Seat contact switch
- ☒ Plastic water tank
- ☒ Bolt-on oscillating/articulating joint

### Optional Equipment

- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Battery disconnection switch
- ☐ Sliding seat
- ☐ ECONOMIZER
- ☐ Burglary protection
- ☐ Special paint

### Dimensions in inches (mm)

	A	B	C	D	H	H2	K	L	O	S	W
BW 100 SL-5	69 (1752)	42 (1072)	20.6 (523)	27.6 (700)	71.2 (1808)	101 (2568)	10 (254)	99.6 (2529)	1.4 (36)	0.4 (10)	39.4 (1000)
BW 120 SL-5	69 (1752)	50 (1272)	20.6 (523)	27.6 (700)	71.2 (1808)	101 (2568)	10 (254)	99.6 (2529)	1.4 (36)	0.4 (10)	47.2 (1200)

### Technical data

#### Weights

	BOMAG BW 100 SL-5	BOMAG BW 120 SL-5
Operating weight w. ROPS . . . . . lb (kg)	5181 (2350)	5511 (2500)
Average static linear load . . . . . lb/in (kg/cm)	66.1 (11.8)	58.2 (10.4)

#### Driving Characteristics

Speed . . . . . mph (km/h)	0 - 5.6 (0 - 9)	0 - 5.6 (0 - 9)
Working speed with vibration . . . . . mph (km/h)	0 - 3.1 (0 - 5)	0 - 3.1 (0 - 5)
Max. gradeability without/with vibr. . . . . %	40 / 30	40 / 30

#### Drive

Engine manufacturer . . . . .	Kubota	Kubota
Type . . . . .	D 1703-DI	D 1703-DI
Tier Compliance . . . . .	4 final	4 final
Cooling . . . . .	water	water
Number of cylinders . . . . .	3	3
Performance ISO 14396 . . . . . kW	18.5	18.5
Performance SAE J 1995 . . . . . hp	25	25
Speed . . . . . rpm	2200	2200
Electric equipment . . . . . V	12	12
Driven drum . . . . .	front + rear	front + rear

#### Brakes

Service brake . . . . .	hydropst.	hydropst.
Parking brake . . . . .	hydromec.	hydromec.
Steering . . . . .		
Steering system . . . . .	oscil.artic.	oscil.artic.
Steering method . . . . .	hydropst.	hydropst.
Steering / oscillating angle +/- . . . . . deg	32 / 10	32 / 10
Crab steer offset - manual . . . . . in (mm)	0 - 2 (0 - 50)	0 - 2 (0 - 50)
Track radius, inner . . . . . in (mm)	96.5 (2450)	96.5 (2450)

#### Exciter System

Vibrating drum . . . . .	front + rear	front + rear
Drive system . . . . .	hydropst.	hydropst.
Frequency . . . . . VPM (Hz)	4320 (72)	4320 (72)
Amplitude . . . . . in (mm)	0.020 (0.50)	0.020 (0.50)
Centrifugal force . . . . . lb (kN)	7640 (34)	8993 (40)

#### Drum Water Spray System

Type . . . . .	pressure with interval	pressure with interval
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#### Capacities

Fuel . . . . . gal (l)	9.2 (35)	9.2 (35)
Water . . . . . gal (l)	43.6 (165)	43.6 (165)

Technical modifications reserved. Machines may be shown with options.



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## Pneumatic Tired Roller

### BW11RH-5

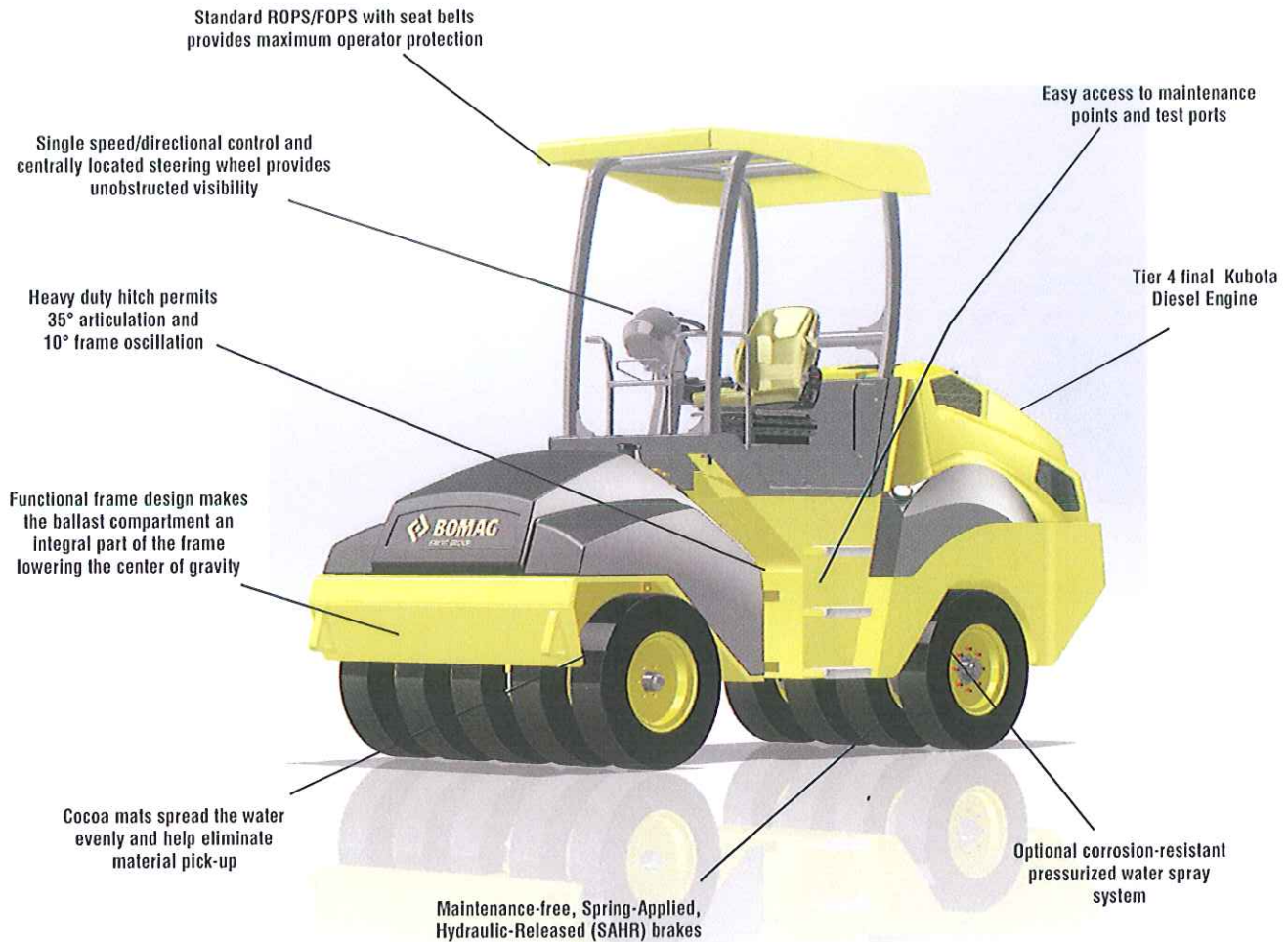


TIRE INFLATION PRESSURE P.S.I			GROUND CONTACT PRESSURE P.S.I						
Wheel Loads	Ballast Combinations lbs		12 Ply tire pressure			Opt 14 Ply Radial tire pressure			
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	0	4,500 (2,041 kg)	46	49	55	32	46	61	81
2,000 (907 kg)	2,000 (907 kg)	7,000 (3,175 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-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, 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



*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, 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.
- Optional pressurized water spray system provides efficient water usage, extending time between refills.
- The low speed, high torque travel motors provide three operating speed ranges.

### **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.

### **Less Service & Maintenance:**

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

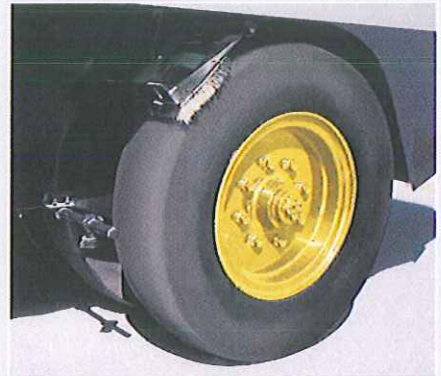
- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision.
- Wide opening engine doors allow easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, centerpoint oscillating and 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.

*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

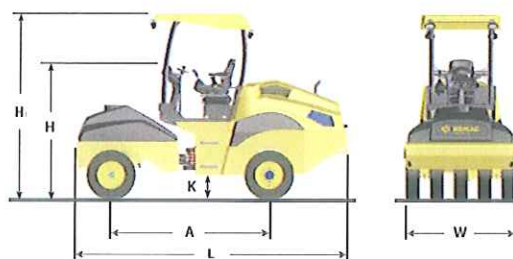
Shipping dimensions  
in cubic feet (m³)      without/with ROPS/FOPS  
BW11RH-5      568.7 (16.1)      824 (23.3)

### Standard equipment

- ☒ Hydrostatic transmission
- ☒ Tier 4 final Kubota Diesel Engine
- ☒ Nine 7.50 x 15, 12 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
- ☒ 14izothope0 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



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)	9000 (4080)
Operating weight (unballasted).....	lb (kg)	9975 (4525)
Operating weight (max. ballasted) w/ ROPS/FOPS.....	lb (kg)	24000 (10884)
Operating weight (max. ballasted) w/ cab.....	lb (kg)	20948 (9500)
Average wheel load, (max.).....	lb (kg)	2666 (1209)

#### 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
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.....	4/5
Tire size.....	7.50 x 15, 12 ply
Oscillation of tires rear, outside/center.....	deg 4/5

#### Brakes

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

#### Steering

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

#### Water Spray System (optional)

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

Fuel.....	gal (l)	25 (95)
Water.....	gal (l)	140 (532)
Engine oil.....	gal (l)	2.5 (9.5)
Hydraulic fluid.....	gal (l)	28.5 (108)

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