

## Pneumatic Tired Rollers BW24RH / BW27RH



### KEY FEATURES

- Excellent jobsite visibility: the roller complies with 1 m x 1 m visual range legislation
- Efficient hydrostatic drive, sensitive and precise handling
- Easy servicing with central drain points (engine/hydraulic oil, coolant)
- Weight adjustment from 10 to 25 tons or 15 to 30 tons depending on model
- Easy water ballasting

### PLUS

- Auto tire inflation for quick adjustment on the run. No external air lines
- Efficient compaction of thin layers on sensitive mixes, avoids aggregate crushing, shoving or crack formation
- Dense, close knit surface finish
- High performance on thicker layers, e.g. higher temperature at middle of layer and cool surface
- Good wheel track overlap



# BW24RH / BW27RH



■ *The BW24RH / BW27RH have numerous key features to offer...*

## **BW24RH and BW27RH Pneumatic Tired Rollers proven compaction technology - with hydrostatic drive.**

Two (2) distinct models meeting two (2) specific operating weight classes, 25 and 30 Tons. A model to match virtually all application requirements.

## ■ **Applications:**

BOMAG PTR's are used for a range of compaction applications.

These include:

- Base Compaction
- Soil and Asphalt finishing
- Stabilized soils
- Chip and Seal used in surface overlay



*Shown with optional cabin.*



#### MODERN DRIVE DESIGN:

The BW 24 RH and BW 27 RH rubber tired rollers provide traditional compaction technology with modern hydrostatic drives. In contrast to conventional designs using a torque

converter and driveshaft, the rear axle is now driven by two hydraulic motors. This design is more efficient and reduces operating and maintenance costs.

*Pneumatic tired models  
provide maximum versatility*

#### KNEADING EFFECT:

Rubber tired rollers produce a unique compaction effect through the kneading action of the wheels. Highly uniform compaction can be achieved by this effect which also achieves a dense finish at the surface.

The heavy weight of the rollers (up to 30 U.S. Tons) generates large vertical pressures to which are added horizontal forces acting in all directions beneath the tires.

#### WEIGHT ADJUSTMENT:

Models BW 24 RH and BW 27 RH can be adjusted to provide the specified weight for the job. To achieve this a range of ballasting choices are available. The rollers can be preballasted with individual weights (attached under the frame).

This is necessary to give the maximum weight of either 25 or 30 tons depending on the model. The PTR's large ballast space (approx. 124 ft<sup>3</sup>) is usually filled with sand or steel scrap for flexible weight adjustment. With the water-tight welded frame the rollers can also be ballasted with water.

#### AUTOMOTIVE CONTROLS:

BOMAG PTR's (Pneumatic Tired Rollers) are very easy to operate. The controls are automotive design with throttle pedal and brake.

Also the hydrostatic drive provides precise control in close area maneuvering. This is particularly important for smooth directional changes.

#### SIMPLE TO OPERATE:

Roller operators will master the controls in no time. As is typical with BOMAG, all operating controls are within easy reach.

The dashboard is precisely arranged with all functions clearly identified. The operator's platform has a swivel/sliding seat with two steering positions.

This arrangement provides excellent visibility to the operator for safe and precise rolling along mat edges or for high speed transport between jobs. The best viewing position can always be obtained.



Two steering positions with a swivel/sliding seat makes the work environment more comfortable and safe.



All key machine functions at a glance: clear symbols – providing safe, precise operation.



The engine: Rear, transverse positioned for ease of access and maintenance.



Standard pressurized waterspray produces even tire wetting – regardless of grades or water tank level.

*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

## BW24RH / BW27RH

### Shipping dimensions in cubic feet (m3)

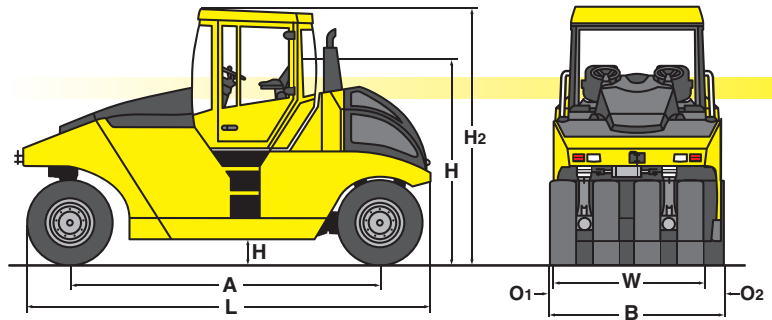
	without/with ROPS/FOPS	
BW24RH	879.9 (24.9)	1152.1 (32.6)
BW27RH	879.9 (24.9)	1152.1 (32.6)

### Standard Equipment

- Hour meter
- Warning horn
- Control panel for
  - Engine oil pressure
  - Engine temperature
  - Air filter vacuum
  - Charge control
  - Hydraulic oil filter
  - Coolant Level
- Pressure sprinkler system
- Lockable anti vandal dashboard protection
- Central tire inflating system
- Operator's platform with:
  - two steering wheels
- Seat belt
- Indicator and hazard lights
- Back-up alarm
- FOPS / ROPS
- Thermal aprons
- Additional weights (BW27RH)
  - 12 x 882 lbs = 10584 lbs
- Speedometer
- Ballast can be applied with water

### Optional Equipment

- Cabin with heating
- Special painting
- Rotary beacon
- DUNLOP 11.00-R20 - Tires (8)
- Michelin 11.00-R20 - Tires (8)
- Air condition
- Tool kit
- Tachograph
- Radio



### DIMENSIONS IN INCHES (MM)

	A	B	H	H2	K	L	W
BW24RH	145.7 (3700)	83.4 (2118)	92.9 (2360)	121.7 (3090)	11.8 (300)	196.3 (4985)	80.4 (2042)
BW27RH	145.7 (3700)	83.4 (2118)	92.9 (2360)	121.7 (3090)	11.8 (300)	196.3 (4985)	80.4 (2042)

### TECHNICAL DATA

#### Weights

	BW24RH	BW27RH
Operating weight CECE with FOPS / ROPS . . . . . lbs (kg)	18570 (8423)	29262 (13273)
Operating weight CECE with ROPS-cabin. . . . . lbs (kg)	19070 (8650)	29762 (13500)
Grossweight Max Ballast . . . . . lbs (kg)	52911 (24000)	59525 (27000)
Max. middle wheel load CECE. . . . . lbs (kg)	6614 (3000)	7441 (3375)

#### Dimensions

Track radius, inner. . . . . in (mm)	209.4 (5.320)	209.4 (5.320)
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#### Driving Characteristics

Speed (1) . . . . . mph (km/h)	0 - 4.3 (0 - 7.0)	0 - 4.3 (0 - 7.0)
Speed (2) . . . . . mph (km/h)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)
Speed (3) . . . . . mph (km/h)	0 - 12.4 (0 - 20.0)	0 - 12.4 (0 - 20.0)
Max. gradeability (depending on soil conditions) . . . . . %	30	27

#### Drive

Engine manufacturer. . . . .	Deutz	Deutz
Type . . . . .	TCD 2012 L04	TCD 2012 L04
Turbocharger. . . . .	standard	standard
Cooling. . . . .	water	water
Number of cylinders. . . . .	4	4
Performance J1349 @ 2300. . . . . hp (kW)	99 (74.9)	134 (100)
Fuel. . . . .	diesel	diesel
Electric equipment. . . . . V	12	12
Drive system . . . . .	hydrost.	hydrost.
Driven axles . . . . .	rear	rear

#### Tires

Tire size . . . . .	11.00-20 18PR	11.00-20 18PR
Wheel track overlap. . . . . in (mm)	1.65 (42)	1.65 (42)

#### Brakes

Service brake. . . . .	pneum./hydr.	pneum./hydr.
Parking brake . . . . .	SAHR	SAHR

#### Steering

Steering system . . . . .	2 Point Oscillation	2 Point Oscillation
Steering method . . . . .	hydrost.	hydrost.
Steering angle +/- . . . . . degrees (grad)	30 (30)	30 (30)
Oscillation of tires, front . . . . . degrees (grad)	4 (4)	4 (4)
Level adjustment . . . . . in (mm)	3.94 (100)	3.94 (100)

#### Sprinkler System

Type of sprinkling. . . . .	pressure	pressure
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#### Capacities

Fuel . . . . . gal (l)	66 (250)	66 (250)
Water . . . . . gal (l)	105.7 (400)	105.7 (400)
Volume of ballast compartment . . . . . ft <sup>3</sup> (m <sup>3</sup> )	123.6 (3.5)	123.6 (3.5)

Technical modifications reserved. Machines may be shown with options.