BOMAG
FAYAT GROUP

Pneumatic Tired Rollers

BW24RH / BW27RH

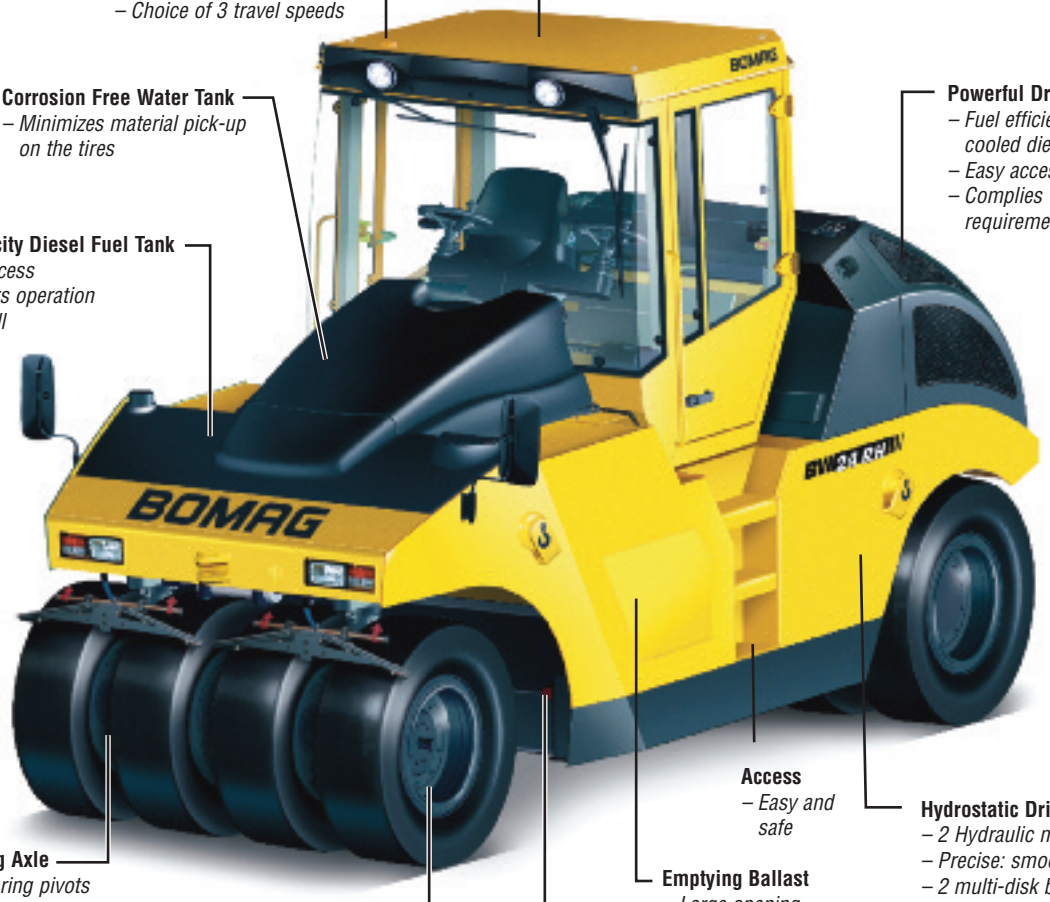
KEY FEATURES

- 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
- Efficient wheel track overlap

BW24RH / BW27RH



Simple Operation
– *Clear dashboard layout*
– *Automotive Style driving / braking controls*
– *Easy to operate*
– *Choice of 3 travel speeds*

FOPS/ROPS Std. (Optional Cabin Shown)
– *Optimum visibility (1m x 1m)*
– *Swivel/sliding seat*

Corrosion Free Water Tank
– *Minimizes material pick-up on the tires*

Powerful Drive
– *Fuel efficient Deutz water cooled diesel engine*
– *Easy access*
– *Complies with EPA requirements*

Large Capacity Diesel Fuel Tank
– *Easy to access*
– *Over 12 hrs operation before refill*

Steering Axle
– *2 steering pivots with axle and wheel hub oscillation*
– *Uniform compaction across the working width*
– *Good conformity to uneven surfaces*

Automatic Tire-Inflation System
– *Pressure adjustment on the run*
– *Safety valves prevent total air loss through leakage or puncture*

Drainage for Water Ballast Cavity
– *Easy to empty*

Emptying Ballast
– *Large opening access on both sides*

Access
– *Easy and safe*

Hydrostatic Drive
– *2 Hydraulic motors*
– *Precise: smooth handling*
– *2 multi-disk brakes for parking and dynamic service brake*

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 soil and asphalt 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 square profile tires.

WEIGHT ADJUSTMENT:

Models BW24RH and BW27RH 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 ft³) 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:

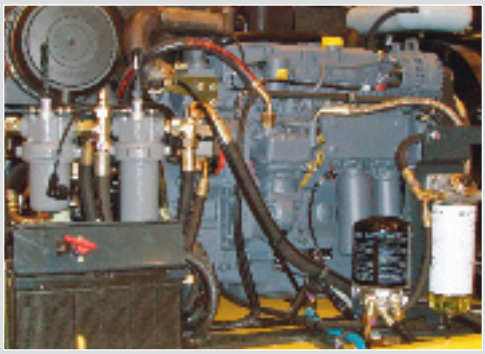
Roller operators will master the controls in no time. As is typical with BOMAG, all operating controls are within easy reach.

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

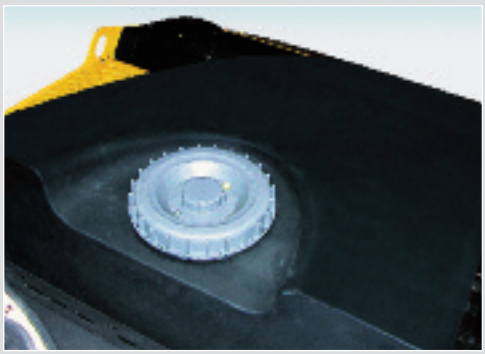
This arrangement provides excellent visibility to the operator for safe and precise rolling along mat edges or for high speed transport between jobs. The best viewing position can always be obtained.

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.



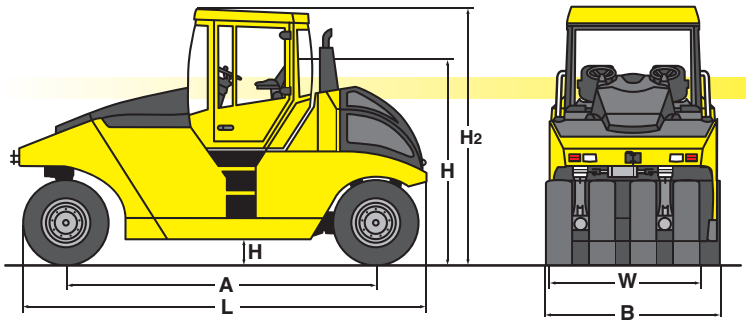
Standard pressurized waterspray produces even tire wetting – regardless of grades or water tank level.

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

- ☑ Pressure water sprinkler system
- ☑ Central tire inflating system
- ☑ Thermal aprons
- ☑ Water ballastable frame
- ☑ Speedometer
- ☑ Coco mats and tire scrapers
- ☑ Indicator and hazard lights for:
  - Engine oil pressure
  - Engine temperature
  - Air filter restriction
  - Charge control
  - Coolant level
  - Hydraulic oil filter restriction
- ☑ ROPS/FOPS and seat belt
- ☑ Lockable dashboard protection
- ☑ Hourmeter
- ☑ Warning horn
- ☑ Back-up alarm

Optional Equipment

- ☐ Working Lights
- ☐ Cabin with heating
- ☐ Air conditioning
- ☐ Michelin 13/80-R20 - Tires (8)
- ☐ Rotary beacon
- ☐ Radio (with Cab option only)
- ☐ Special painting
- ☐ Additional Ballast weights (BW24RH ONLY) 10,580 lbs (4800 kg) total

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	BW24RH	BW27RH
Weights		
Operating weight CECE with FOPS / ROPS ..... lbs (kg)	18570 (8423)	29262 (13273)
Operating weight CECE with ROPS-cabin. ..... lbs (kg)	19400 (8800)	29980 (13600)
Grossweight Max Ballast ..... lbs (kg)	53570 (24300)	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)
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 (Diesel turbo charged)	TCD 2012 L04	TCD 2012 L04
Tier Compliance	Tier 3	Tier 3
Cooling.	water	water
Number of cylinders	4	4
Performance J1995 @ 2300 ..... hp	100	134
Performance ISO 14396 @ 2300 ..... kW	74.9	100
Electric equipment V	12	12
Drive system	hydrost.	hydrost.
Driven axles	rear	rear
Tires		
Number of tires.	8	8
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 (hydrostatic).	2 Point Oscillation	2 Point Oscillation
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)
Capacities		
Fuel ..... gal (l)	66 (250)	66 (250)
Water ..... gal (l)	105.7 (400)	105.7 (400)
Volume of ballast compartment ..... ft³ (m³)	123.6 (3.5)	123.6 (3.5)

Technical modifications reserved. Machines may be shown with options.

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