BOMAG
FAYAT GROUP

Single Drum Vibratory Rollers

BW124-40 Series

KEY FEATURES	
• 47” inch drum width	• First-rate gradeability
• Easy & simple operation	• Dual hydraulic travel pumps
• Deutz Tier 4i diesel engine	• Dual drum scrapers
• No grease points	• Optional leveling blade

BW124-40 Series

The right choice for a wide range of light duty to large scale compaction applications...

The BW124-40 Series continues to offer large roller features in a compact design. Dual travel pumps, a limited slip differential and standard drum drive deliver enhanced tractive effort and gradeability. The Tier 4i Deutz 3-cylinder diesel engine is powerful and efficient for the most demanding applications.

The bolt-on, maintenance free centerjoint provides 35 degrees of articulation and 12 degrees of oscillation, for unmatched maneuverability and full drum contact on irregular terrain. The single travel lever provides simple, variable control for travel direction and speed. The compact design meets the One Meter by One Meter visibility aspect for enhanced jobsite safety.

Applications:

- Road Construction
- Site Preparation
- Embankment Compaction
- Trench Work
- Utility Installations
- Landscaping Jobs

BW124PDH-40 padfoot roller with optional leveling blade.

Simple and clear instrument panel layout.

Scrapers are positioned at both the front and rear of the drum to ensure a clean drum surface.

Compact design provides optimal visibility and maneuverability

Achieve Maximum Productivity:

- Rugged limited slip differential and standard drum drive provides maximum gradeability and tractive effort.
- The BW124DH-40 smooth drum model quickly and efficiently compacts granular and mixed soils.
- The BW124PDH-40 and BW124PDH-40 + blade padfoot models deliver maximum productivity on semi-cohesive and cohesive materials.
- The BW124PDH-40 + blade, quickly and efficiently spreads and levels irregular surface material with its leveling blade.
- Lockable engine hood and control panel area protects fluid access points and instruments against vandalism and helps reduce damage related downtime.
- Recessed drum frame bolt holes avoid rounding and shearing off of bolt heads when working close to obstacles.
- Front frame is wider than rear tractor, reducing tire damage when working in confined areas.

Handling is Easier & Safer:

- Console positioned travel lever controls speed and direction.
- Vibration isolated operator's platform with adjustable seat ensures operator's comfort.
- Engine exhaust and noise are directed away from the operator.
- Rubber buffer solid block isolators minimize vibration energy transmitted by the drum and allow extended, fatigue free operation. Buffers can be individually serviced without drum removal.

Less Service & Maintenance:

- Vibratory drum mechanism is virtually maintenance free.
- The powerful SAHR (Spring Applied, Hydraulically Released) brakes are virtually maintenance free.
- Hydraulic oil change intervals are extended with the BOMAG oil filter system up to 2,000 hours or 2 years.
- Pressure test ports are built directly into the hydraulic system for quick and simple analysis of all critical pressures.

Best for
COMPACTION

Featuring…

Bolt-on centerjoint is maintenance-free.

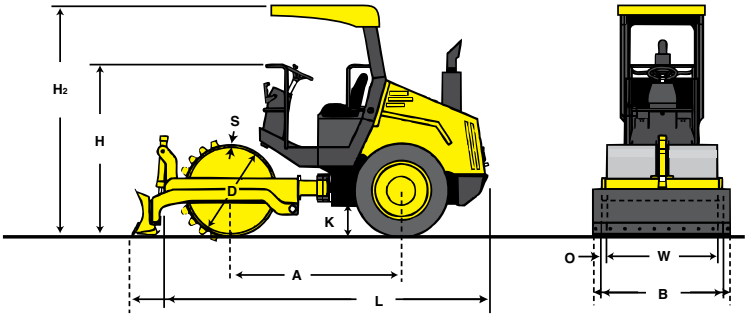
Optional blade system is controlled by strategically positioned floor mounted foot pedals.

Wide opening hood provides easy access.

Technical Specifications

BW124-40 Series

Shipping dimensions in cubic feet (m^3)	without / with ROPS/FOPS
BW 124 DH-40	299.1 (8.5) / 397.5 (11.2)
BW 124 PDH-40	299.1 (8.5) / 397.5 (11.2)
BW 124 PDH-40 w/blade	400.8 (11.3) / 532.7 (15.1)



Standard equipment

- ☑ Deutz Tier 4i Engine
- ☑ Single Amplitude Drum
- ☑ Hydrostatic travel & vibration drives
- ☑ Hydrostatic steering
- ☑ Rear axle with Spring-Applied, Hydraulically Released (SAHR) brakes
- ☑ Limited slip differential
- ☑ Dual Flexible Drum Scrapers (DH)
- ☑ Dual Drum Scrapers (PDH)
- ☑ Articulated centerjoint lock
- ☑ Lockable control panel
- ☑ Hour meter
- ☑ Warning horn
- ☑ Fuel level indicator
- ☑ Audible and/or visual warning indicators:
  - Engine oil pressure
  - Engine temperature
  - Air filter vacuum
  - Brake control
  - Charge control
- ☑ Adjustable operator's seat
- ☑ Emergency STOP
- ☑ ROPS / FOPS with seat belts
- ☑ Back-up alarm

Optional equipment

- ☐ Dual Amplitude
- ☐ ROPS / FOPS with rear window
- ☐ Hood sound insulation
- ☐ Working Lights (front & rear)
- ☐ Leveling blade
- ☐ Leveling blade with angle mechanism
- ☐ Rotary Beacon

Dimensions in inches (mm)	A	B	D	H	H_2	K	L	O	S	W
BW 124 DH-40	71.1 (1805)	51.6 (1310)	37.8 (960)	73.8 (1874)	98.1 (2491)	12.6 (320)	136.0 (3450)	2.2 (55)	0.59 (15)	47.2 (1200)
BW 124 PDH-40	71.1 (1805)	51.6 (1310)	35.0 (889)	73.8 (1874)	98.1 (2491)	12.6 (320)	136.0 (3450)	2.2 (55)	0.59 (15)	47.2 (1200)
BW 124 PDH-40 w/blade	71.1 (1805)	59.6 (1514)	35.0 (889)	73.8 (1874)	98.1 (2491)	12.6 (320)	157.5 (4000)	2.2 (55)	0.59 (15)	47.2 (1200)

Technical data		BOMAG BW 124 DH-40	BOMAG BW 124 PDH-40	BOMAG BW 124 PDH-40 w/blade
Weights				
Operating weight with ROPS/FOPS	lb (kg)	7010 (3180)	7120 (3230)	8050 (3650)
Axle load, drum	lb (kg)	3530 (1600)	3625 (1645)	4235 (1920)
Axle load, wheels	lb (kg)	3480 (1580)	3495 (1585)	3815 (1730)
Static linear load (drum)	lb/in (kg/cm)	74.8 (13.3)	–	–
Driving characteristics				
Speed (1)	mph (km/h)	0-5.6 (0-9)	0-5.6 (0-9)	0-5.6 (0-9)
Maximum gradeability	%	55	55	55
Drive				
Engine	(Deutz Diesel)	D2011 L03i	D2011 L03i	D2011 L03i
Tier compliance		Tier 4i	Tier 4i	Tier 4i
Cooling - cylinder heads/liners		air/oil	air/oil	air/oil
Number of cylinders		3	3	3
Performance ISO 3046 / SAE J 1995	hp (kW)	45 (33)	45 (33)	45 (33)
Speed	rpm	2500	2500	2500
Electric equipment	V	12	12	12
Drums & Tires				
Number of pad feet		–	70	70
Area of one pad foot	in^2 (cm^2)	–	12.6 (81)	12.6 (81)
Height of one pad foot	in (mm)	–	2.2 (55)	2.2 (55)
Tire size and tread design		9.5-24/4PR/R-3	9.5-24/6PR/R-1	9.5-24/6PR/R-1
Brakes				
Service brake		hydrostatic	hydrostatic	hydrostatic
Secondary/Parking brake		SAHR	SAHR	SAHR
Steering				
Steering system		oscil. artic.	oscil. artic.	oscil. artic.
Steering method		hydrostatic	hydrostatic	hydrostatic
Steering / Oscillating angle ±	degrees	35/12	35/12	35/12
Track radius, inner	in (mm)	88.2 (2240)	88.2 (2240)	88.2 (2240)
Vibratory system				
Frequency	vpm (Hz)	2460 (41)	2460 (41)	2460 (41)
Amplitude	in (mm)	0.067 (1.7)	0.063 (1.6)	0.063 (1.6)
Centrifugal force	lb (kN)	18540 (82.5)	18540 (82.5)	18540 (82.5)
Capacities				
Fuel	gal (l)	15.9 (60)	15.9 (60)	15.9 (60)

Tech data for Dual Amplitude Option		BOMAG BW 124 DH-40	BOMAG BW 124 PDH-40	BOMAG BW 124 PDH-40 w/blade
Weights				
Operating weight with ROPS/FOPS	lb (kg)	7075 (3210)	7185 (3260)	8115 (3880)
Axle load, drum	lb (kg)	3580 (1625)	3690 (1675)	4300 (1950)
Axle load, wheels	lb (kg)	3495 (1585)	3495 (1585)	3825 (1730)
Static linear load (drum)	lb/in (kg/cm)	75.8 (13.5)	–	–
Vibratory system				
Amplitude	in (mm)	0.067/0.033 (1.7/0.85)	0.063/0.031 (1.6/0.8)	0.063/0.031 (1.6/0.8)
Centrifugal force	lb (kN)	19125/9675 (85/43)	19125/9675 (85/43)	19125/9675 (85/43)

* Subject to technical alterations. Models shown may include optional equipment.

** Optional leveling blade is for surface profiling/contouring and back dragging of loose fill material only. This design is not intended to function as a device for excavation purposes.

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