

Walk-Behind Tandem Vibratory Roller

BW65H

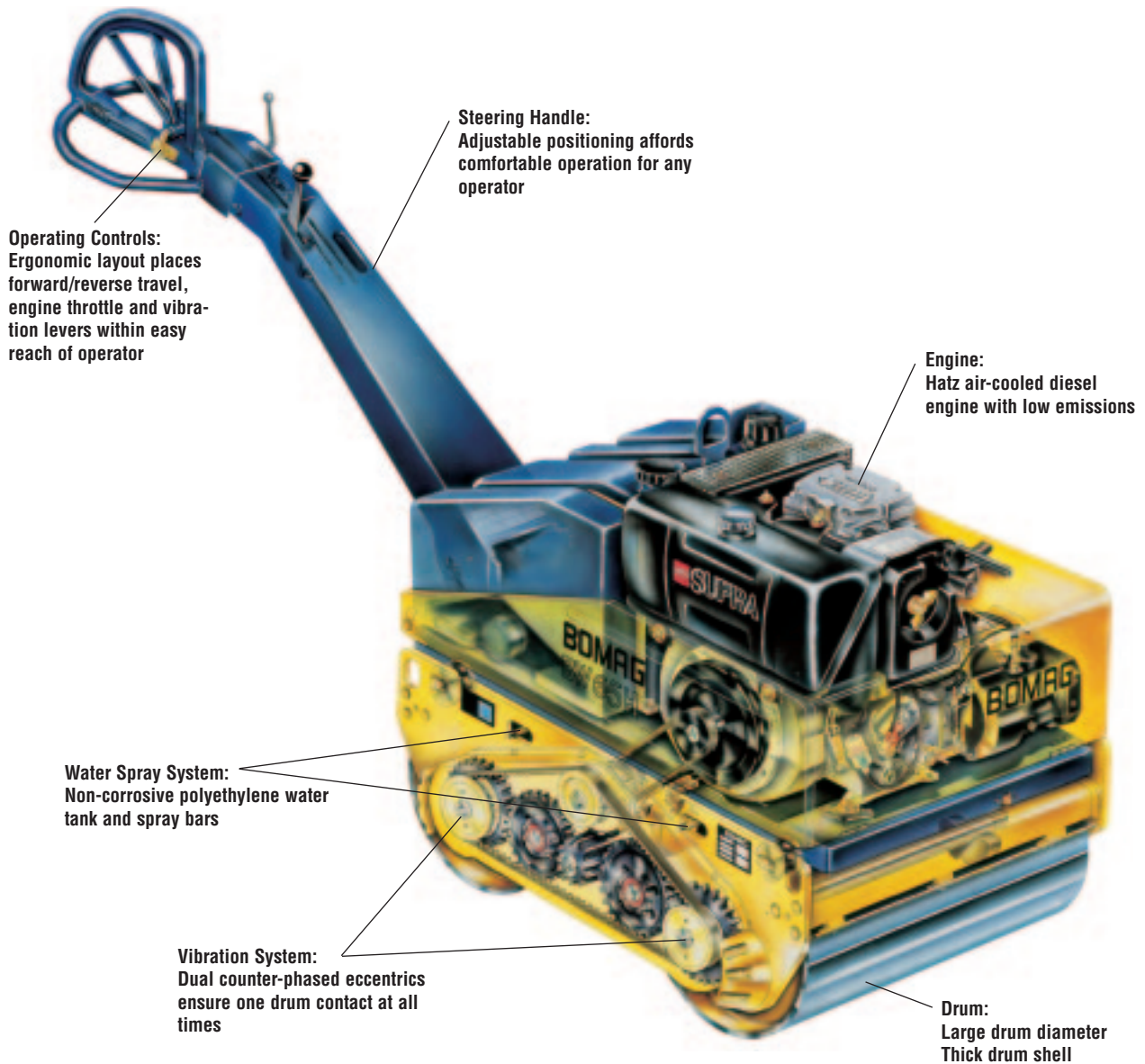


EARTHWORKS (granular, mixed)						
# passes	rolling speed	area coverage sq yd/hr	"productivity in cu yd/hr by lift thickness, 100% efficiency"			
	(mph)		4 inches	6 inches	8 inches	12 inches
2	3.1	1940	216	324	432	648
3	3.1	1293	144	216	288	432
4	3.1	970	108	162	216	324
5	3.1	776	86	130	173	259

ASPHALTIC CONCRETE (material weight 140 lb/cu ft)						
# passes	rolling speed	area coverage sq yd/hr	"productivity in tons/hr by lift thickness, 100% efficiency"			
	(mph)		1.5 inches	2 inches	2.5 inches	3 inches
2	3.1	1940	153	204	255	306
3	3.1	1293	102	136	170	204
4	3.1	970	76	102	127	153

Note: Repeat number of passes over the same area is required to achieve specified compaction efficiency/density. Successive passes over same area results in reduced area coverage and productivity. Rolling speed selected provides impact spacings of a minimum 10 impacts per foot. Actual compaction efficiency is determined by job conditions.

BW65H



■ *Ease of operation and safety features make the BW65H ideal for small application projects...*

Ease of operation and user friendliness are vitally important in achieving good compaction. The BW65H is safe and easy to use and features hydrostatic drive with handle-integrated travel control which reduces operator fatigue. This gives smooth operation throughout the speed range. When released, the travel control lever automatically moves to the neutral position, stopping the machine. The high compaction performance and compact size make the BW65H rollers ideal for confined space applications on granular and mixed soils as well as bituminous materials.

■ **Applications:**

- Construction backfills and trench work
- Shoulder work
- Patch work



The BW65H provides better compaction results



Balanced central lifting eye ensures safe and easy transportation

■ Handling is Easier & Safer:

- The ergonomic arrangement of the controls and the adjustable steering handle ensures easy handling.
- Weather-resistant operating instructions mounted directly to the machine make operation simple and safe even for inexperienced operators.
- The safety starting handle has an anti-kickback feature.
- Hot exhaust is shielded to prevent burns.
- The machine's low center of gravity ensures stability at all times.
- The large lifting eyes allow convenient and safe transportation.
- Operator-friendly positioning of the drive and vibration control lever.
- The vibration-isolated steering handle reduces vibration feedback to the operator for fatigue-free operation.

Maximize your productivity with the BW65H double drum vibratory roller

■ Achieve Maximum Productivity:

- The eccentric weights of the exciter shafts are counter-phased 180 degrees to each other to deliver maximum traction and gradeability in both directions.
- Vibration of both drums ensures high compaction performance.
- To ensure good water supply to the drums even on steep slopes, two water tanks are mounted at the front and the rear of the machine.
- The narrow lateral overhang ensures maximum compaction right up to walls and curbs.
- The large drum diameter ensures high surface quality when working on asphalt and reduces scuffing and tearing of the mat.
- Each drum is fitted with two scrapers to avoid problems with pick-up of material.
- The infinitely variable speed control ensures the optimum speed for every application.
- The steering handle can be adjusted to make the machine more compact for easy transportation.
- Vibration can be switched on and off independent of the engine speed.

■ Less Service & Maintenance:

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

- The plastic water tanks and spray bars are maintenance-free.
- The oil level gauge and oil bath filter are easily accessible, allowing for quick routine checks.
- The spray bars are easily removed for cleaning if a blockage occurs.
- The frame with engine, transmission, water tank and steering handle are vibration isolated by rubber buffers.
- The drive and vibration bearings are life-time lubricated.
- Drum scrapers are easily removed if replacement is necessary.
- Individual components are easily accessible enabling simple maintenance and routine checks.

Featuring...



Operator-friendly arrangement of controls



The oil level gauge and air filter are easily accessible for maintenance



The safety starting handle is easily accessible

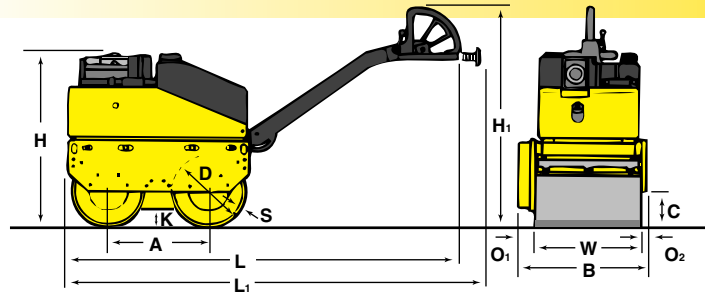
With these features and many more, it's easy to see why this model maintains a high residual value while delivering lower lifetime operating costs.

Technical Specifications

BW65H

Shipping dimensions
in cubic feet (m³)

BW65H 56.8 (1.6)



Dimensions in inches (mm)

	A	B	C	D	H	H ₁	K	L	L ₁	O ₁	O ₂	S	W
BW65H	21.7	30.0	7.9	15.7	37.8	47.6	4.3	86.6	91.3	3.6	.79	0.32	25.6
	(550)	(762)	(200)	(400)	(960)	(1210)	(110)	(2200)	(2320)	(92)	(20)	(8)	(650)

Standard Equipment

- Hydrostatic drive
- Infinitely variable speed control
- Mechanical vibration drive
- Dual counter phased eccentrics
- Two scrapers per drum
- Plastic water tank
- Gravity sprinkler system
- Hydraulic vibration control

Optional Equipment

- Electric start
- Parking brake
- Special paint

Technical data

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BW65H

Weights

Basic Weight	lbs	(kg)	1490	(675)
Operating Weight CECE	lbs	(kg)	1565	(710)
Average axle load CECE	lbs	(kg)	783	(355)
Average static linear load CECE	pli	(kg/cm)	30.8	(5.5)

Dimensions

Working width	in	(mm)	25.6	(650)
Dimensions	see sketch			

Driving Characteristics (depending on site conditions)

Speed, forward	mph	(kmph)	0-3.1	(0-5.0)
Speed, reverse	mph	(kmph)	0-1.6	(0-2.5)
Max. gradeability without/with vibration	%		40/35	

Drive

Engine manufacturer	Hatz			
Type	1 D 41 S			
Cooling	Air			
Number of cylinders	1			
Performance ISO 9249 (max)	hp	(kW)	7.1	(5.3)
Speed (max)	rpm		2800	
Performance SAE J1349 (max)	hp	(kW)	7.1	(5.3)
Speed (max)	rpm		2800	
Fuel	diesel			
Drive System	hydrostatic			
Drum Driven	f + r			

Brakes

Service brake	hydrostatic
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Vibratory system

Vibrating drum	front + rear			
Drive system	mechanical			
Frequency	vpm	(Hz)	3300	(55)
Amplitude	in	(mm)	0.018	(0.45)
Centrifugal force (each drum)	lbs	(kN)	4950	(22)

Sprinkler System

Type of sprinkling	gravity
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Capacities

Fuel	gal	(l)	1.3	(5)
Water	gal	(l)	15.9	(60)
Engine oil	gal	(l)	0.3	(1.2)

Technical modifications reserved. Machines may be shown with options.

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