

## Walk-Behind Tandem Vibratory Roller

### BW65S-2, BW75S-2

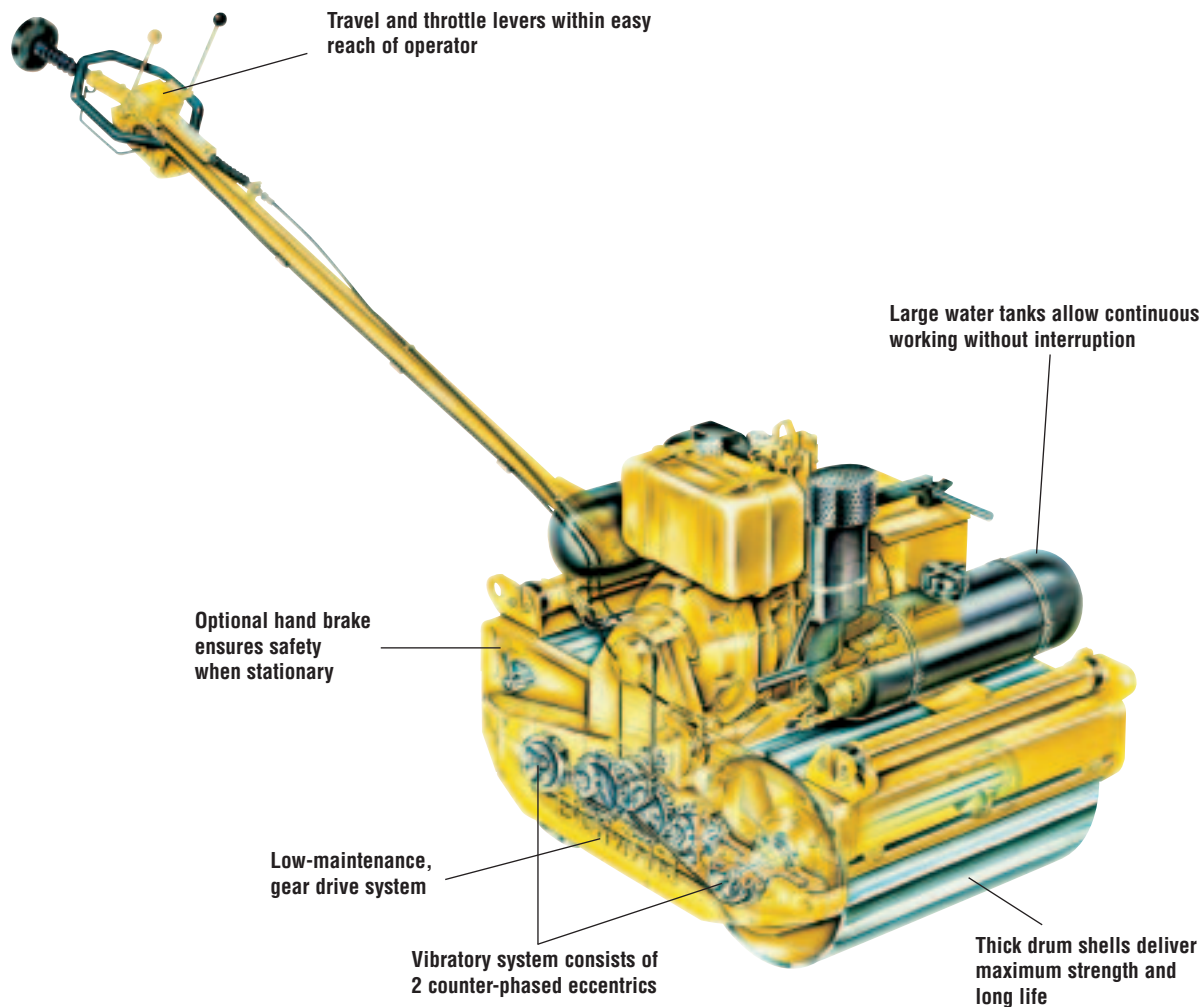


MODEL	MATERIAL	"Productivity in cu yd/hr by lift thickness, 100% efficiency"				
		2 in.	4 in.	6 in.	8 in.	10 in.
BW65S-2	Gravel, Sand	15.0	29.9	44.9	59.8	
	Mixed Soils	15.0	29.9	44.9	59.8	
	Silt, Clay	14.6	29.2			
	Asphalt	13.4	22.8	35.1		
BW75S-2	Gravel, Sand	14.6	29.2	43.9	58.5	73.1
	Mixed Soils	14.6	29.2	43.9	58.5	73.1
	Silt, Clay	15.5	31.0	46.5		
	Asphalt	15.2	26.2	40.1		

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 spacing of a minimum 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.



# BW65S-2, BW75S-2



## ■ *The S series - Proven compaction performance...*

The S series double drum vibratory rollers are suitable for most soil and asphalt compaction applications. These rollers feature large diameter drums with thick shells to provide maximum strength and durability. Travel and throttle levers are integrated into the adjustable steering handle to ensure easy handling. Their high compaction performance and compact design make these rollers ideal for a variety of light duty work.

### ■ Applications:

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



*The BW75S-2 used successfully in over 100 countries.*



The detailed maintenance decal provides an easy to follow reference guide for the various components

#### ■ Handling is Easier & Safer:

- Easy to operate fingertip control levers.
- 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.

## Featuring...



Optional hand brake for increased safety



Easy, safe operation is a standard feature

## Maximize your productivity with an S series 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.

#### ■ Less Service & Maintenance:

- The adjustable multi-disc clutch runs in oil for extended service life.
- 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.



Thick drum shells provide maximum strength and durability

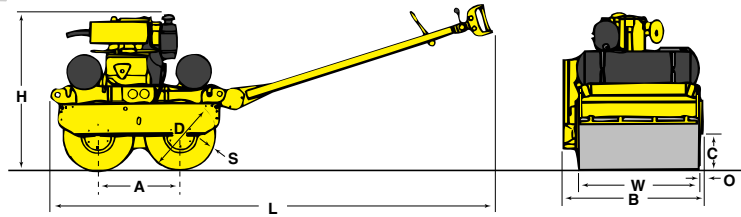
*With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.*

# Technical Specifications

## BW65S-2, BW75S-2

### Shipping dimensions in cubic feet (m<sup>3</sup>)

BW65S-2	55.6	(1.6)
BW75S-2	95.3	(2.7)



### Dimensions in inches (mm)

	A	B	C	D	H	L	O	S	W
BW65S-2	20.5 (520)	30.7 (780)	7.9 (200)	15.7 (400)	41.7 (1060)	84.6 (2150)	0.98 (25)	0.32 (8)	25.6 (650)
BW75S-2	23.6 (600)	35.2 (895)	9.1 (230)	18.9 (480)	46.5 (1180)	112 (2850)	0.98 (25)	0.37 (10)	29.5 (750)

### Standard Equipment

- Adjustable steering handle
- Plastic water tank
- 2 scrapers per drum
- Oil bath air filter
- Safety control

### Optional Equipment

- Electric start
- Covering hood
- Special finish
- Parking brake

### Technical data

#### Weights

Basic Weight	lbs (kg)	1323 (600)	2006 (910)
Operating Weight	lbs (kg)	1380 (626)	2079 (943)
Average axle load CECE	lbs (kg)	690 (313)	1041 (472)
Average static linear load CECE	lb/in <sup>2</sup> (kg/m <sup>2</sup> )	27.0 (4.8)	35.3 (6.3)

#### Dimensions

Working width	in (mm)	25.6 (650)	29.5 (750)
Dimensions		see sketch	see sketch

#### Driving Characteristics (depending on site conditions)

Speed (1), forward	mph (kmph)	0-1.2 (0-1.9)	0-1.0 (0-1.6)
Speed (1), reverse	mph (kmph)	0-1.2 (0-1.9)	0-1.0 (0-1.6)
Speed (2), forward	mph (kmph)	0-1.6 (0-2.5)	0-1.6 (0-2.5)
Speed (2), reverse	mph (kmph)	0-1.6 (0-2.5)	0-1.6 (0-2.5)
Max. gradeability without/with vibration	%	40/35	40/35

#### Drive

Engine manufacturer	Hatz	Hatz
Type	1D41S	1D50S
Cooling	Air	Air
Number of cylinders	1	1
Performance ISO 9249	hp (kW)	9.2 (6.8)
Speed	rpm	2700
Performance SAE 1349	hp (kW)	9.1 (6.8)
Speed	rpm	2700
Fuel	diesel	diesel
Drive system	mechanical	mechanical
Driven drum	f + r	f + r

#### Brakes

Service brake	mechanical	mechanical
Parking brake	mechanical	mechanical

#### Sprinkler System

Type of sprinkler	gravity	gravity
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#### Vibratory System

Vibratory drum	f + r	f + r
Drive system	mechanical	mechanical
Frequency	vpm (Hz)	3300 (55)
Amplitude	in (mm)	0.019 (0.49)
Centrifugal force (per drum)	lbs (kN)	9000 (40)

#### Capacities

Fuel	gal (l)	1.3 (5)	1.8 (7)
Water	gal (l)	13.7 (52)	15.9 (60)

Technical modifications reserved. Machines may be shown with options.

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