

Walk-Behind Tandem Vibratory Roller

BW65S-2, BW75S-2

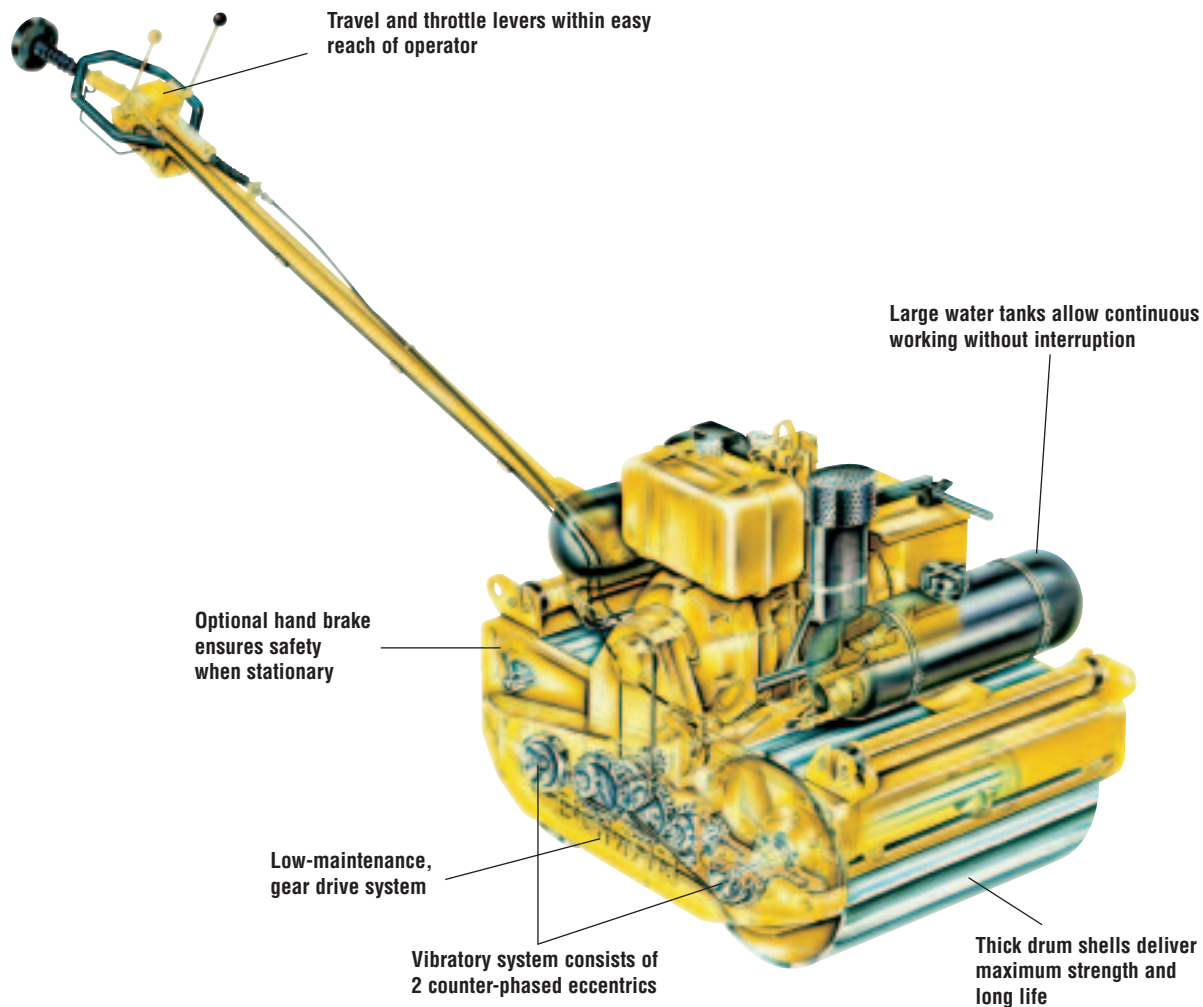


| MODEL | MATERIAL | "Productivity in cu yd/hr by lift thickness, 100% efficiency" | | | | |
|---------|--------------|---|-------|-------|-------|--------|
| | | 2 in. | 4 in. | 6 in. | 8 in. | 10 in. |
| BW65S-2 | Gravel, Sand | 15.0 | 29.9 | 44.9 | 59.8 | |
| | Mixed Soils | 15.0 | 29.9 | 44.9 | 59.8 | |
| | 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.

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.

Featuring...



Optional hand brake for increased safety



Easy, safe operation is a standard feature



Thick drum shells provide maximum strength and durability

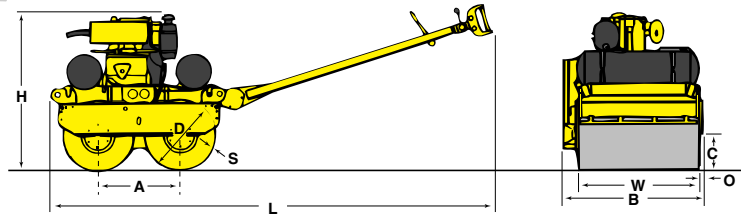
With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.

Technical Specifications

BW65S-2, BW75S-2

Shipping dimensions in cubic feet (m³)

| | | |
|---------|------|-------|
| 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 ² (kg/m ²) | 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 |
|-------------------|---------|---------|

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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