

## Oil-injected Vibratory Rammers

**BS 50-2i BS 60-2i**  
**BS 70-2i**

### WACKER's exclusive WM 80 engine features a unique patented oil-injection system

»» A unique patented oil-injection system provides reliable performance by eliminating spark plug fouling and carbon buildup. The no-mix system is an added convenience for operators. Plus an amazing fuel to oil ratio of 120:1 allows for longer and cleaner running times...up to 65 hours on a single tank of oil. A low oil shutdown switch prevents running the rammer without oil for trouble-free operation. ««

### WACKER

- ▣ Reliable
- ▣ Trustworthy
- ▣ Accessible
- ▣ Responsive



### Additional Advantages:

- + Powered by WACKER's exclusive WM 80 engine, the only 2-cycle engine specifically designed and built for vibratory rammers and meets EPA and European air emission standards.
- + Patent-pending vented carburetor evacuates air from the fuel line for easy starting. An integrated fuel valve and gas lever also provide for simple operation and easy starting by eliminating air in the fuel line.
- + A unique three-stage air filtration system provides a virtually dust-free engine for longer life and improved durability. A filter minder tells the operator when the air filter needs to be changed.
- + The guide handle offers a highly engineered, built-in shockmount system to reduce HAV (hand-arm vibration) and improve operator comfort.
- + Automatic shutoff feature will shut down the unit if left idling for an extended period of time, reducing emissions and carbon build-up.
- + Rugged rammers designed for the compaction of cohesive, mixed and granular soils in confined areas.



Technical Data		BS 50-2i	BS 60-2i	BS 70-2i	
Length x width x height	in (mm)	26.5 x 13.5 x 37 (675 x 345 x 940)	26.5 x 13.5 x 38 (675 x 345 x 965)	26.5 x 13.5 x 38 (675 x 345 x 965)	
Shoe size (w x l)	in (mm)	11 x 13 (280 x 330)	11 x 13 (280 x 330)	11 x 13 (280 x 330) or 13 x 13 (330 x 330)	
Operating weight	lbs (kg)	131 (59)	145 (65)	164 (74)	
Shipping weight	lbs (kg)	142 (65)	157 (71)	176 (80)	
Shipping size (l x w x h)	in (mm)	28 x 16.5 x 39 (710 x 420 x 990)	28 x 16.5 x 39 (710 x 420 x 990)	28 x 16.5 x 39 (710 x 420 x 990)	
Compaction depth	in (cm)	20 (51)	23 (58)	24 (61)	
Stroke	in (mm)	2.8 (72)	2.8 (72)	3 (73)	
Force/blow	lbs (kN)	2695 (12)	3025 (13.4)	3375 (15)	
Percussion rate	blows/min	up to 700	up to 700	up to 700	
Travel speed	ft (m)/min	up to 59 (18)	up to 57 (17.4)	up to 52 (15.8)	
Compacted area	11 in shoe 13 in shoe	ft <sup>2</sup> (m <sup>2</sup> )/h	3245 (301) -	3135 (291) -	2640 (245) 3380 (314)
Engine type		air-cooled, 2-cycle, single cylinder, WACKER WM 80 gasoline engine	air-cooled, 2-cycle, single cylinder, WACKER WM 80 gasoline engine	air-cooled, 2-cycle, single cylinder, WACKER WM 80 gasoline engine	
Displacement	in <sup>3</sup> (cm <sup>3</sup> )	4.9 (80)	4.9 (80)	4.9 (80)	
Max. power (per SAE J607)	hp (kW)	4 (3)	4 (3)	4 (3)	
Max. operating speed	rpm (1/min)	4400	4400	4400	
Fuel to oil ratio		120:1	120:1	120:1	
Fuel consumption	qt (l)/h	1.1 (1.0)	1.3 (1.2)	1.4 (1.3)	
Fuel tank capacity	qt (l)	3.2 (3.0)	3.2 (3.0)	3.2 (3.0)	
Oil tank capacity	qt (l)	.75 (.70)	.75 (.70)	.75 (.70)	
Power train		Power train from engine via centrifugal clutch, gears, crank mechanism, connecting rod, guiding piston, double spring system, spring cylinder onto ramming shoe. Clutch engages when accelerating.			

**Standard Package**

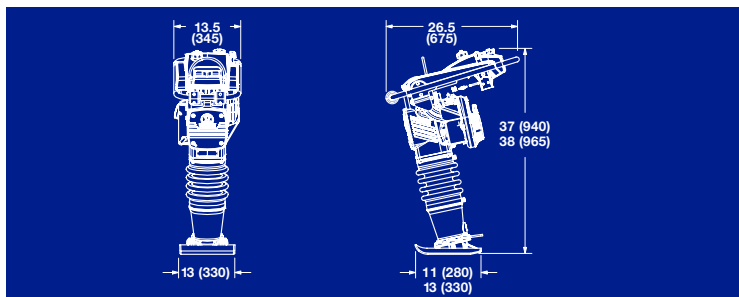
Oil-injected Vibratory Rammers includes guide handle roller, operator's manual and parts book.

BS 50-2i  
BS 60-2i  
BS 70-2i

**Model Guide**

B = Gasoline, S = Rammer  
2 = 2-cycle engine  
i = Oil-injected

Please refer to our Price List and Ordering Guide for complete accessory information.



Specifications may change due to continuous product development.