Bobcat®

COMPACTION

One Tough Animal™

Ingersoll Rand
Compact Vehicle Technologies

Bobcat® Plate Compactors and Upright Rammers

Specifications

Model	BC15	BC19	BC22	BCR70
Dimensions & Weight				
Overall Length	37.4 in. (950 mm)	37.4 in. (950 mm)	37.4 in. (950 mm)	35.0 in. (889 mm)
Overall Width	16.9 in. (430 mm)	19.7 in. (500 mm)	21.7 in. (551 mm)	13.8 in. (351 mm)
Overall Height	36.0 in. (915 mm)	36.0 in. (915 mm)	36.6 in. (930 mm)	36.2 in. (920 mm)
Plate Size (w x l)	17x22 in. (432 x 559mm)	20 x 22 in. (508 x 559 mm)	22 x 22 in. (559 x 559 mm)	14 x 19 in. (356 x 483 mm)
Operating Weight	150 lb. (68 kg)	195 lb. (88 kg)	220 lb. (100 kg)	155 lb. (70 kg)
Performance				
Centrifugal Force	3400 lb. (15.1 kN)	4000 lb. (17.8 kN)	5700 lb. (25.4 kN)	4300 lb. (19.1kN)
Vibration Frequency	5600 vpm (93.3 Hz)	5600 vpm (93.3 Hz)	5600 vpm (93.3 Hz)	5400 vpm (90 Hz)
Travel Speed	82 ft./min. (25 m/min.)	82 ft./min. (25 m/min.)	82 ft./min. (25 m/min.)	60 ft./min. (18.3 m/min.)
Area Capacity Per Hour	6943 ft.^{2} (645 m^2)	8073 ft.^{2} (750 m^2)	8881 ft.^{2} (825 m^2)	4200 ft.^{2} (390 m^2)
Maximum recommended Compaction Depth	12 in. (300 mm)	14 in. (356 mm)	16.5 in. (419 mm)	14 in. (356 mm)
Engine				
Manufacturer	Honda	Honda	Honda	Robin, gas
Model	GX120K1	GX160K1	GX160K1	EY15
Horsepower	4.0 hp (2.9 kW)	5.5 hp (4.0 kW)	5.5 hp (4.0 kW)	3.4 hp (2.5 kW)
Engine Speed	3600 rpm	3600 rpm	3600 rpm	3600 rpm
Fuel Tank Capacity	2.6 qt. (2.5 L)	3.9 qt. (3.7 L)	3.9 qt. (3.7 L)	2.9 qt. (2.7 L)
Water				
Type	Removable	Removable	Removable	N/A
Water Tank Capacity	12.6 qt. (12 L)	14.7 qt. (14 L)	14.7 qt. (14 L)	N/A
Wheel Kit Option				
Part Numbers	IR22195119	IR22195283	IR22195283	N/A

Model	BR55	BR72
Dimensions		
Overall Length	26.6 in. (675 mm)	26.6 in. (675) mm
Overall Width	15.2 in. (386 mm)	18.3 in. (465 mm)
Overall Height	43.3 in. (1100 mm)	43.9 in. (1115 mm)
Foot Size (w x l)	9 x 13 in. (230 x 330 mm)	11 x 13 in. (279 x 330 mm)
Operating Weight	127 lb. (58 kg)	157 lb. (72 kg)
Performance		
Impact Force	2600 lb. (11.2 kN)	3400 lb. (15.1 kN)
Blows Per Minute	600-750	600-750
Travel Speed	39-46 ft./min. (12-14 m/min.)	39-46 ft./min. (12-14 m/min.)
Area Capacity per hr.	2100 (195)	2530 (235)
Compaction Depth recommended to:	18 (460)	24 (610)
Engine		
Manufacturer, Type	Honda, 4-cycle	Honda, 4-cycle
Model	GX100KRA2	GX120AR
Horsepower	3.0 (2.2)	4.0 (2.9)
Engine Speed	4000	3600
Fuel Tank Capacity	2.6 (2.5)	2.6 (2.5)

Foot Options	SIZE	PART NUMBER	MODEL USED ON:
Foot Size (w x l)	4 x 13 in. (102 x 330 mm)	IR13373550	BR55
Foot Size (w x l)	6 x 13 in. (152 x 330 mm)	IR58836552	BR55
Foot Size (w x l)	8 x 13 in. (200 x 330 mm)	IR58836974	BR55
Foot Size (w x l)	9 x 13 in. (230 x 330 mm)	IR59106369	BR72

UPRIGHT RAMMERS

Each rammer comes equipped with a rugged and reliable, 4-cycle Honda engine with recoil start, engineered to provide years of dependable operation. Oil-splash lubrication reduces the need for daily greasing while ensuring continuous protection of all internal parts. Engine speed remains constant through ratchet-type throttle control. The engine cover protects the operator and machine, yet can be easily removed to allow access to all service components.

Designed for safe and efficient use, the comfortable operator handle features a vibration-reducing padded grip and has an integrated lifting bail, protecting the engine and other components from damage. Impact force is applied to material being compacted by a durable wooden foot, reinforced with a heavy steel plate for extended life.

The low-profile, lightweight design and low center of gravity make the Bobcat lineup of rammers your best choice for backfilling and narrow trench compaction.

KEY FEATURES

- **Industry-leading impact forces:** To achieve desired compaction levels while using maximum lift thickness.
- **4-cycle Honda engine:** Eliminates the need to mix gas and oil. Operates more efficiently and with better fuel economy.
- **Self-balanced design:** Greater maneuverability and maximum control around jobsite obstacles.
- **4-point isolation and vibration-reducing grip:** Minimizes operator fatigue and prolongs the life of rammer components.

SINGLE-DIRECTION VIBRATORY PLATE COMPACTORS

Bobcat single-direction, vibratory plate compactors can effectively and efficiently compact granular soils, crushed aggregates, and hot mix asphalt in open jobsites of all sizes. Powered by a rugged and reliable Honda four-cycle engine, each compactor features a belt-driven eccentric shaft, along with an oil bath exciter to eliminate routine greasing.

All compactors are fitted with fully adjustable, vibration-reducing padded grip guide handles for maximum operator comfort and transport convenience. Other standard features include a removable eccentric housing, an engine protection cage, and a water sprinkler system for the compaction of hot mix asphalt.

KEY FEATURES

- Compact design for greater maneuverability
- High horsepower for greater performance
- Highest centrifugal forces in the industry
- Unique ratcheting throttle design for improved control around jobsite obstacles
- Flip-over handles for ease of operation and better compaction in confined areas
- Removable water tank, with the industry's largest capacity for increased operating intervals and operator flexibility

REVERSIBLE VIBRATORY PLATE COMPACTOR

The BCR70 is designed for the effective compaction of granular soils, mixed soils, and well-graded aggregates where turning around can be difficult or impossible with other plate compactors.

The BCR70 has a patent-pending vibration system that generates smooth reversible movement and high compactive effort to maximize productivity. The reversing feature changes the direction of machine travel by repositioning the two eccentric shafts in relation to each other. This reversing allows the operator to enter and exit a confined work area along the same path.

KEY FEATURES

- Powered by a four-cycle engine with recoil start
- High position handle increases maneuverability
- Heavy-duty, sealed exciter bearings and eccentric mechanisms designed for smooth reversing operation and reduced maintenance
- Shock mounts isolate the engine and prevent handle vibration

NOTE - Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Pictures of Bobcat units may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Bobcat Company complies with the requirements of ISO 9001 as registered with BSI.

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