

Multi-Purpose Compactor

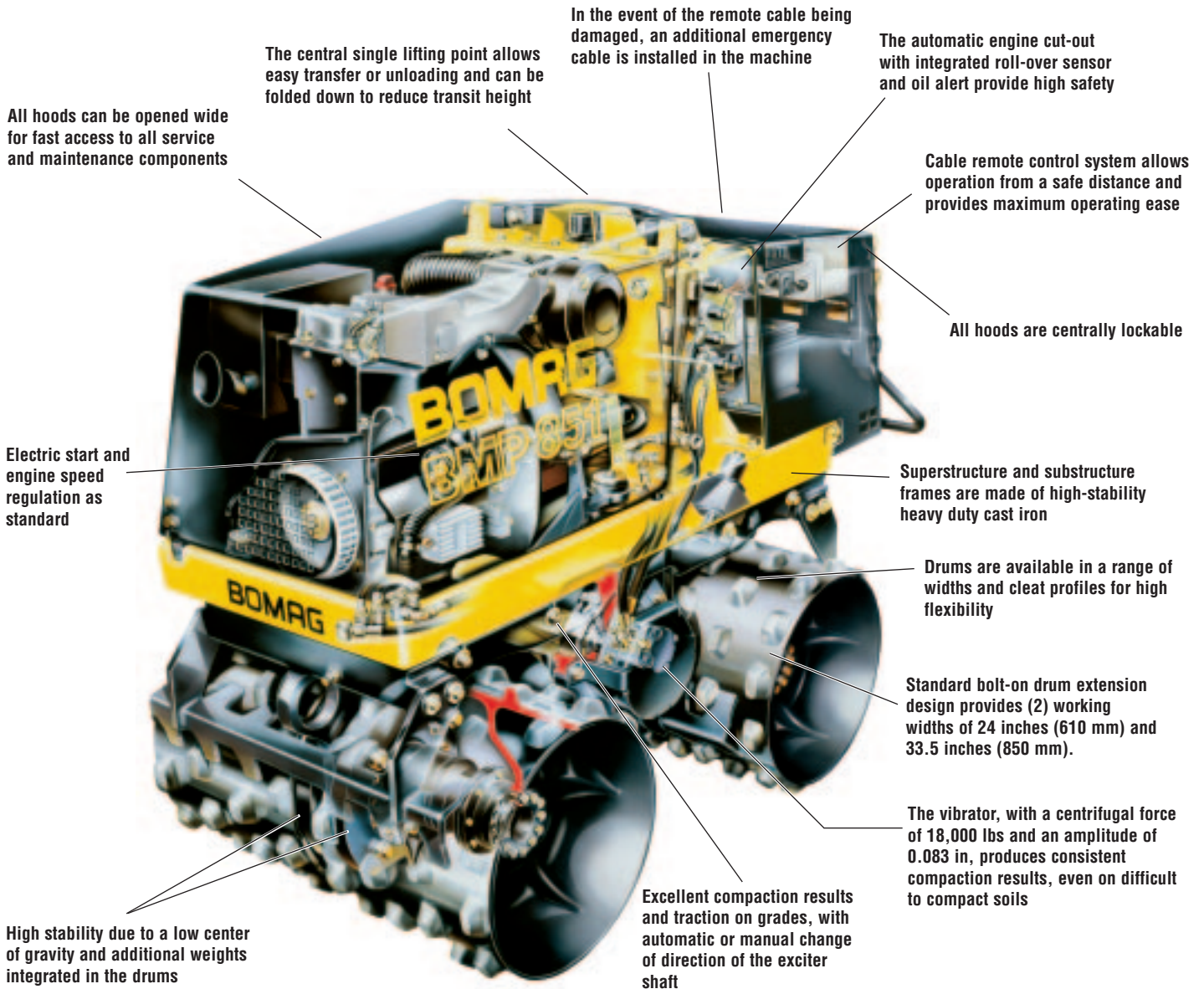
BMP851



EARTHWORKS						
# passes	rolling speed (mph)	area coverage sq yd/hr	"productivity in cu yd/hr by lift thickness, 100% efficiency"			
			4 inches	6 inches	8 inches	12 inches
2	0.7	573	64	96	128	191
3	0.7	382	43	64	85	128
4	0.7	287	32	48	64	96
5	0.7	229	26	38	51	77

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.

BMP851



■ *Stands up to the toughest demands of today's contractors...*

To meet and exceed today's technical demands and expectations of the rental and construction industries, Bomag has redesigned and created a new, harder hitting, more versatile multi-purpose compactor. The BMP851 offers high centrifugal force and amplitude to tackle the toughest compaction projects. Incorporating the skid steer design, this compactor ensures high maneuverability in extremely confined spaces. Three different remote capabilities along with a choice of drum widths and padfoot

heights combine to enhance versatility. These features and more serve to make the BMP851 one of the most productive and cost-efficient compactors on the market today.

■ Applications:

- Construction backfills and trench work
- Walkways
- Foundations and footings



Three different remote capacities increase the machine's versatility

Featuring...



Removable operating console with cable remote control as standard

■ Handling is Easier & Safer:

- The integrated reversing safety bar ensures maximum operator safety.
- The automatic engine shutdown helps prevent damage.
- A low center of gravity provides high stability.
- The cable remote control feature provides higher safety and lower noise, dust, exhaust gas exposure and hand/arm vibration.
- Hydromechanical parking and service brakes guarantee safe working on a variety of materials and inclines.
- An emergency back-up remote cable is installed beneath the hood.



Bolt-on drum extension (std.) increases compactor versatility.



A variety of drum widths and padfoot profiles are available.

High centrifugal force and amplitude for tough compaction projects

■ Achieve Maximum Productivity:

- Two travel speeds provide rapid transport on-site.
- High amplitude and centrifugal force ensure maximum compaction performance on a variety of applications.
- Adjustable direction of rotation of the exciter shaft increases gradeability.
- Skid steer design ensures high maneuverability.
- Stationary vibration allows concentrated compaction of problem areas.
- High gradeability provides enhanced performance on the most demanding jobsites.
- Standard drum extension design provides working widths of 24 and 33.5 inches.



Reduced maintenance costs with easily accessible service and maintenance components

■ Less Service & Maintenance:

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

- The swing out/up covers expose 90% of all components.
- Compact design has no exposed parts outside the frame.
- The compactor comes equipped with a self-diagnostic hydraulic system with LED display.
- Simple and fast service checks provided by the status display for hydraulic oil, maintenance indicator for air filter and easily accessible engine oil dipstick.



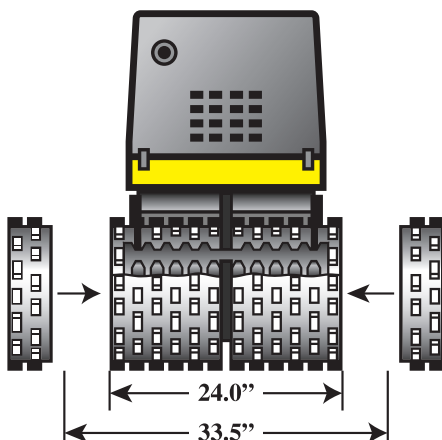
Optional Polygonal drum design offers increased compaction performance and machine gradeability.



The radio remote control option is one of three available control systems.



Power in reserve under severe conditions with the high torque 2 cylinder Hatz diesel engine

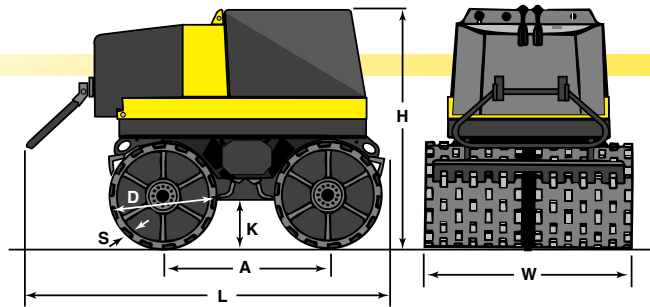


Technical Specifications

BMP851

Shipping dimensions in cubic feet (m³)

BMP851 54.1 (1.5)



Dimensions in inches (mm)

	A	D	H	K	L	S	W
BMP851	32.3 (820)	19.7 (500)	47.2 (1200)	9.4 (240)	59.1 (1500)	.98 (25)	24.0/33.5 (610/850)

Standard Equipment

- Umbilical cord remote
- 1 inch padfoot drum
- High centrifugal force and amplitude
- Exciter directional change with manual override
- 2 scrapers per drum
- Infinite speed control
- Electric start
- Air-cooled diesel engine
- 2 travel speed ranges
- Spring-Applied, Hydraulically-Released (SAHR) parking brake
- Reversing protection bow
- Balanced, hinged center lift point
- Swing out/up covers
- Standard Dual (2) working widths of 24 and 33.5 inches

Optional Equipment

- Infrared remote
- Radio remote
- 0.69 inch padfoot drums
- Polygonal Drums
- Special paint

Technical data

Weights

Basic Weight	lbs	(kg)	3373	(1530)
Operating Weight CECE	lbs	(kg)	3413	(1548)
Average axle load CECE	lbs	(kg)	1706	(774)

Dimensions

Working width	in	(mm)	24.0/33.5	(610/850)
Dimensions	see sketch			

Driving Characteristics (depending on site conditions)

Speed(1), forward	mph	(kmph)	0-0.7	(0-1.2)
Speed(1), reverse	mph	(kmph)	0-0.7	(0-1.2)
Speed(2), forward	mph	(kmph)	0-1.7	(0-2.7)
Speed(2), reverse	mph	(kmph)	0-1.7	(0-2.7)
Max. gradeability without/with vibration	%		55/45	

Drive

Engine manufacturer	Hatz			
Type	2G 40			
Cooling	Air			
Number of cylinders	2			
Performance ISO 9249	hp	(kW)	18.5	(13.8)
Speed	rpm		2,800	
Fuel	diesel			
Drive System	hydrostatic			
Drum Driven	4			

Brakes

Service brake	hydrostatic
Parking brake	SAHR

Vibratory system

Vibrating drum	central vibrator			
Drive system	hydrostatic			
Frequency	vpm	(Hz)	1920	(32)
Amplitude	in	(mm)	0.083	(2.1)
Centrifugal force	lbs	(kN)	18000	(80)

Capacities

Fuel	gal	(l)	5	(19)
Hydraulic	gal	(l)	10	(38)
Engine oil	gal	(l)	0.7	(2.5)

Technical modifications reserved. Machines may be shown with options.

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