BOMAG
FAYAT GROUP

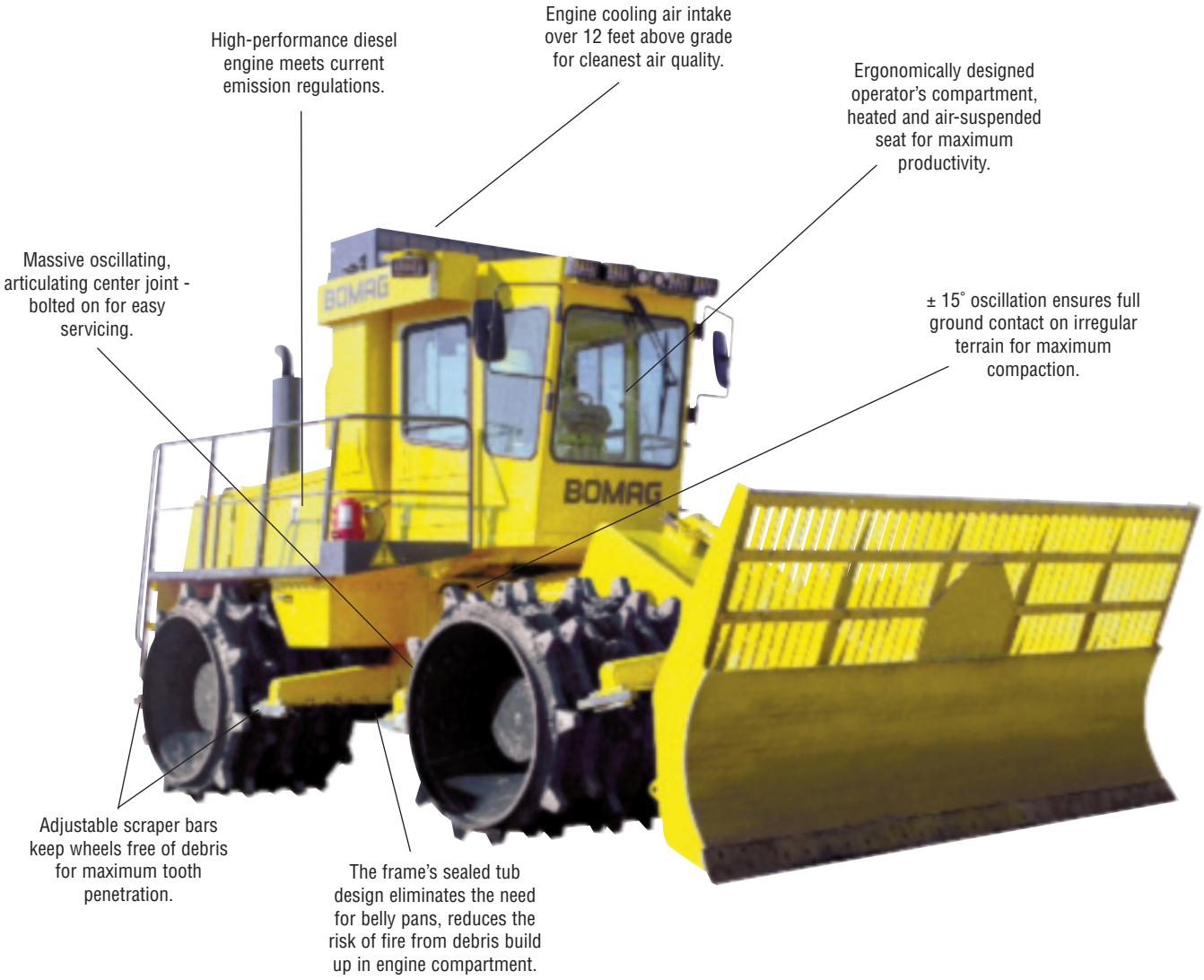
Refuse Compactor

BC672RB-2, BC772RB-2

KEY FEATURES

- High pushing power:
  – BC672RB-2 (161 lbs/hp)
  – BC772RB-2 (184 lbs/hp)
- High compaction densities
- Efficient fuel consumption rate
- BOMAG Pakall polygonal wheels
- Center joint oscillation / articulation
- Quiet operation - quiet cab
- Stable and safe operation on slopes
- High compressive demolition force
- Automatic central lubrication system

BC672RB-2, BC772RB-2

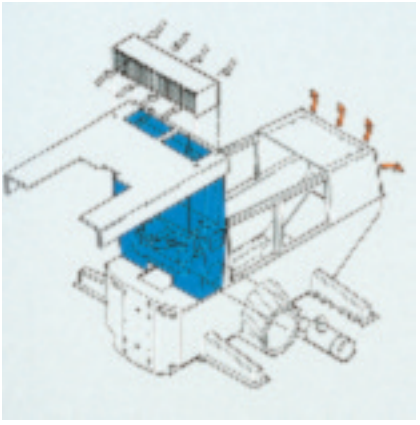


These models are designed specifically for landfill operation...

Despite the use of alternative processes, waste disposal in landfill sites is still the principle method in use today. A modern, well managed and engineered landfill is still a vital part of the global waste disposal concept.

For the most effective use of landfill space, a high performance refuse compactor, designed specifically for the extreme demands imposed by landfill conditions is needed. Proper compaction is key to ensure that refuse is deposited at the highest possible density. This reduces settling and water penetration, improves the running surface of the landfill and decreases the dangers of fire and landfill gas emissions. Increasing compacted densities through the reduction of air voids extends the operating life of a landfill. High refuse density makes both environmental and economic sense.

Refuse is a mixture of vastly differing materials including large household and business waste, food, sludge, dust, and many other items. In order to compact these materials efficiently, the machine must be capable of dealing with the differing demands and varying problems they pose.



A BOMAG exclusive: utilizing the cleanest air possible from over 12 feet above grade

Normal operating conditions of a landfill site place extreme demands on the drive system of a refuse compactor. Pushing and spreading waste requires maximum torque and power; compacting in either forward or reverse direction on the working face demands highest tractive effort. The BC672RB-2/ BC772RB-2 combines the efficient engine horsepower utilization of a hydrostatic drive system with 4 independent wheel drive motors to meet the challenges faced by a refuse compactor and to provide greater tractive effort regardless of operating conditions.

The operator's cab is vibration-isolated with excellent all-around visibility

Improved compaction performance and operating ease

Handling is Easier and Safer

- Excellent all-around cab visibility with tinted safety glass.
- Heated and air-suspended seat makes operation fatigue-free and safe.
- Simple and clear control layout allows unfamiliar operators to work safely.
- Load Sensing System provides smoother and lighter steering and blade control.
- Joystick steering control
- Cab noise levels are lowest in the industry, less than 75 dBA.
- The ventilation system draws air through a fine filter and slightly pressurizes the cab to prevent entry of polluted air.
- Both the BC672RB-2 and BC772RB-2 have a powerful water-cooled diesel engine with 442 hp output at 2100 rpm.
- Air for cooling and combustion is taken from a height of over 12 feet above grade. At this height the air is relatively free from dirt and dust and is cleaned by a fine mesh filter before entering the engine compartment.
- The sealed engine compartment maintains a positive pressure to prevent entry of debris.

Ergonomic control layout including joystick steering control.

- The Deutz TCD2015V06 series engine with 726 C.I.D. and turbocharger meet current emission regulations and gives high torque at low revolutions.
- Engine power on the BC672RB-2/ BC772RB-2 drives a hydrostatic system with independent 4 wheel drive motors.

More efficient utilization of available engine horsepower through the BC672/772RB-2-'s hydrostatic drive system

Compaction wheel design - key to maximum densities

Achieve Maximum Productivity:

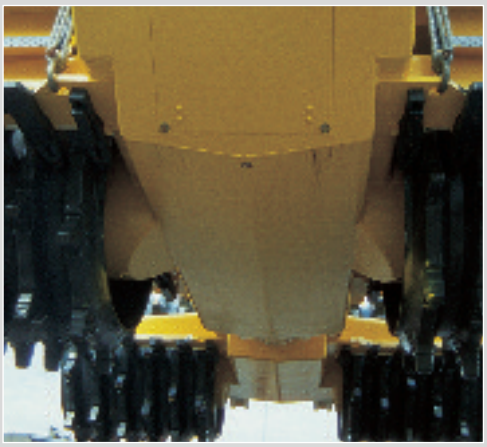
Compaction wheels are the refuse compactor's tools. They shred, demolish and compact the waste. Heavy weight alone cannot guarantee maximum compaction densities, optimum performance can only be achieved in conjunction with the appropriate wheel design and cleaning system.

- BC672RB-2/BC772RB-2 wheels have polygonal disk segments and one piece cast, high wear life teeth as standard equipment.
- High static weight, four-wheel contact provided by the oscillating joint and proven compaction advantage of the wheel design ensures maximum compaction performance.
- Two wire cutters per wheel protect against wire wrap-around and subsequent damage to seals or other components.

Only BOMAG has ± 15° oscillation movement between front and rear frames.

- A massive slew-ring oscillation joint allows ± 15° movement, ensuring full four-wheel contact for maximum traction and compaction.
- Hydrostatic drive systems need no torque converter and provide up to 15% greater efficiency compared to conventional hydrodynamic drives.

Featuring…



The sealed tub design protects all drive components

Only BOMAG has polygonal disk wheels with adjustable scraper bar assemblies

By using the latest engine technology, the Deutz engine will meet and exceed all emission requirements

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.

Easy access to the engine compartment through hinged doors.

Reducing operating costs increases profits

Less Service & Maintenance:

Routine maintenance and breakdowns affect machine availability and operating costs of a refuse compactor. The BC672RB-2/BC772RB-2 have been designed to extend maintenance intervals and reduce downtime and repair costs.

- Only BOMAG, with engine cooling air intake over 12 feet high, can reduce radiator cleaning intervals from five times a week to approximately once a week for reduced maintenance costs.
- The hatches at the front and rear of the machine provide easy access to the engine and hydrostatic service points.
- The BOMAG oil filter system extends hydraulic oil change intervals up to 2000 operating hours.
- Hydrostatic drive is virtually wear-free.
- The Deutz diesel engine is powerful and reliable.
- Access to the engine compartment is easy using the hinged and removable doors.
- Central lubrication system services 13 front and rear frame-located grease fittings once each operating hour.
- The blade lift cylinder spherical bearing is a teflon material requiring no daily maintenance.
- 24 V electrical system reduces load on electrical components.
- The BC672RB/BC772RB-2's sealed tub design eliminates the need for belly pans.
- All drive components are protected from damage within the sealed frame.
- The ROPS is an integral part of the frame and channels cooling air to the engine.
- All components are easily accessible for maintenance.
- The center articulation joint, designed to withstand extreme conditions, provides ± 40˚ steering angle.
- The hydrostatic drive's automatic performance control ensures that the engine is providing the optimum power output at all times, reducing yearly operating costs while protecting the engine from overload.
- The Load Sensing System of the blade and steering circuits uses only as much hydraulic oil as is needed and can save up to 80 hp over conventional fixed displacement systems.

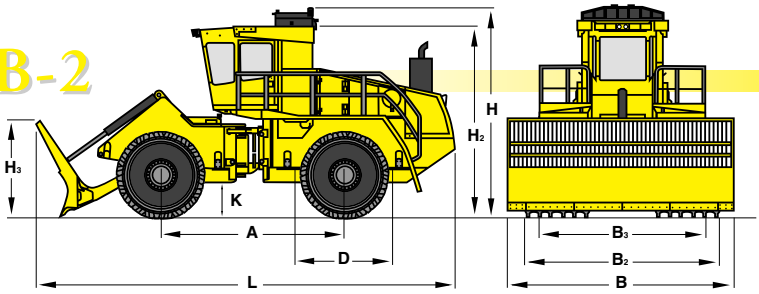
Standard Features

- ☑ Engine air intake over 12 ft above grade
- ☑ Adjustable, front and rear scrappers per wheel.
- ☑ Pakall compaction wheels with one piece cast, high wear life teeth
- ☑ Protection of all drive components by a fully enclosed engine bay compartment
- ☑ 2 wire cutters per wheel
- ☑ Hydrostatic drive with independent 4 wheel drive
- ☑ 4 Spring-Applied, Hydraulically-Released (SAHR) brakes; 1 per wheel
- ☑ Automatic load sensing
- ☑ ROPS/FOPS
- ☑ 14 ft blade
- ☑ Access steps right/left
- ☑ Sound suppressed cab
- ☑ Vibration isolated cab mounting
- ☑ Cab heating and air conditioning
- ☑ Sliding windows right/left
- ☑ Tinted safety glass
- ☑ Heated and air-suspended operator's seat
- ☑ Sun shade
- ☑ Rear view mirrors right/left
- ☑ Joystick Steering Control
- ☑ Windshield wiper/washer front and rear
- ☑ Audible back-up alarm
- ☑ Horn
- ☑ AM/FM stereo cassette
- ☑ 24 V electrical system
- ☑ Battery disconnect switch
- ☑ 55 amp alternator
- ☑ Working lights front and rear
- ☑ Automatic central lubrication system
- ☑ Fuel priming pump
- ☑ 3 stage fuel filtering system
- ☑ Dry air filter

(continued)

Technical Specifications
BC672RB-2, BC772RB-2

Shipping dimensions in cubic feet (m³)	with dozer blade	
BC672RB-2	4151	(117.6)
BC772RB-2	4151	(117.6)



Dimensions in inches (mm)

	A	B	B_2	B_3	D	H	H_2	H_3	K	L
BC672RB-2	137.8	171.5	148.6	139.8	63.8	161.4	150	76.8	22.8	319.7
	(3500)	(4356)	(3775)	(3550)	(1620)	(4100)	(3810)	(1950)	(580)	(8120)
BC772RB-2	137.8	171.5	148.6	139.8	63.8	161.4	150	76.8	22.8	319.7
	(3500)	(4356)	(3775)	(3550)	(1620)	(4100)	(3810)	(1950)	(580)	(8120)

Standard Features (continued)

- ☑ Cold starting system
- ☑ Hydrostatic steering
- ☑ Contamination monitoring system in the hydraulic oil circuit
- ☑ Replaceable blade cutting edges
- ☑ Towing hooks front and rear
- ☑ Electronic monitoring board with engine shut-down
- ☑ Indicators and gauges
- ☑ Interval switch for front windshield wipers

Optional Equipment

- ☐ Blade (12 ft 6 in)
- ☐ Automatic fire protection system
- ☐ Decelerator pedal
- ☐ Rear door protection
- ☐ Tool kit
- ☐ Flashing beacon
- ☐ BOMAG semi-U blade (14 ft)
- ☐ Caron Double Semi-U® blade
- ☐ Caron complete wheels with Pin-On® teeth
- ☐ Portable fire extinguisher
- ☐ Pressurized cabin filtration system
- ☐ Special paint

Technical data			BOMAG BC672RB-2		BOMAG BC772RB-2	
Weights						
Operating Weight CECE	lbs	(kg)	71000	(32200)	81205	(36867)
Axle load front CECE	lbs	(kg)	33913	(15383)	38784	(17503)
Axle load rear CECE	lbs	(kg)	37075	(16817)	42421	(19147)
Dimensions						
Rear overhang	in	(mm)	83.5	(2120)	83.5	(2120)
Compaction Wheels						
Width, front	in	(mm)	53.1	(1350)	53.1	(1350)
Width, rear	in	(mm)	44.3	(1125)	44.3	(1125)
Outer diameter (front)	in	(mm)	63.8	(1620)	63.8	(1620)
Outer diameter (rear)	in	(mm)	63.8	(1620)	63.8	(1620)
Number of teeth, front			60		60	
Number of teeth, rear			50		50	
Coverage per wheel	in	(mm)	53.1	(1350)	53.1	(1350)
Drive						
Engine manufacturer			Deutz		Deutz	
Type			TCD 2015V06		TCD 2015V06	
Cooling			Water		Water	
Number of cylinders			6		6	
Performance ISO 9249	hp	(kW)	449	(330)	449	(330)
Speed	rpm		2100		2100	
Performance SAE J 1349	hp	(kW)	442	(330)	442	(330)
Speed	rpm		2100		2100	
Electrical equipment	V		24		24	
Drive system			hydrostatic		hydrostatic	
Number of driven wheels			4		4	
Dozer Blade						
Height adjustment over ground level	in	(mm)	47.2	(1200)	47.2	(1200)
Height adjustment below ground level	in	(mm)	4.7	(120)	4.7	(120)
Driving Characteristics (depending on site conditions)						
Speed (1) forward/reverse	mph	(kmph)	0-2.8	(0-4.5)	0-2.8	(0-4.5)
Speed (2) forward/reverse	mph	(kmph)	0-7.5	(0-12)	0-7.5	(0-12)
Max. gradeability	%		100		100	
Brakes						
Service brake			hydrostatic		hydrostatic	
Parking brake			SAHR		SAHR	
Emergency brake			SAHR		SAHR	
Steering						
Steering system			oscillating, articulating		oscillating, articulating	
Steering method			hydraulic		hydraulic	
Steering angle ±	degrees		40		40	
Oscillating angle ±	degrees		15		15	
Track radius, inner	in	(mm)	121.7	(3090)	121.7	(3090)
Capacities						
Fuel	gal	(l)	132	(500)	132	(500)
Hydraulic oil	gal	(l)	92.4	(350)	92.4	(350)
Engine oil	gal	(l)	9.5	(36)	9.5	(36)

Technical modifications reserved. Machines may be shown with options.

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