

KOMATSU

BR
350



BR350JG-1

BR350JG-1

MOBILE CRUSHER

**FLYWHEEL
HORSEPOWER**
118 kW 158 HP
@ 2.100 rpm

OPERATING WEIGHT
30.000 kg

WALK-AROUND

Komatsu's newly designed BR350JG enters into the market as the most technologically advanced machine on the market and is ready to meet the needs of the 21st Century. With unsurpassed crushing power and a treatment capacity of 48 to 165 tons/h the BR350JG is the optimum choice for your work site.

Komatsu SA6D102E-1

provides 118 kW 158 HP at 2.100 rpm for maximum crushing power while keeping emissions, noise, and vibration to a minimum.

The K-Series Jaw

provides 118 kW 158 HP at 2.100 rpm for maximum crushing power while keeping emissions, noise, and vibration to a minimum.

Vibratory Grizzly Feeder

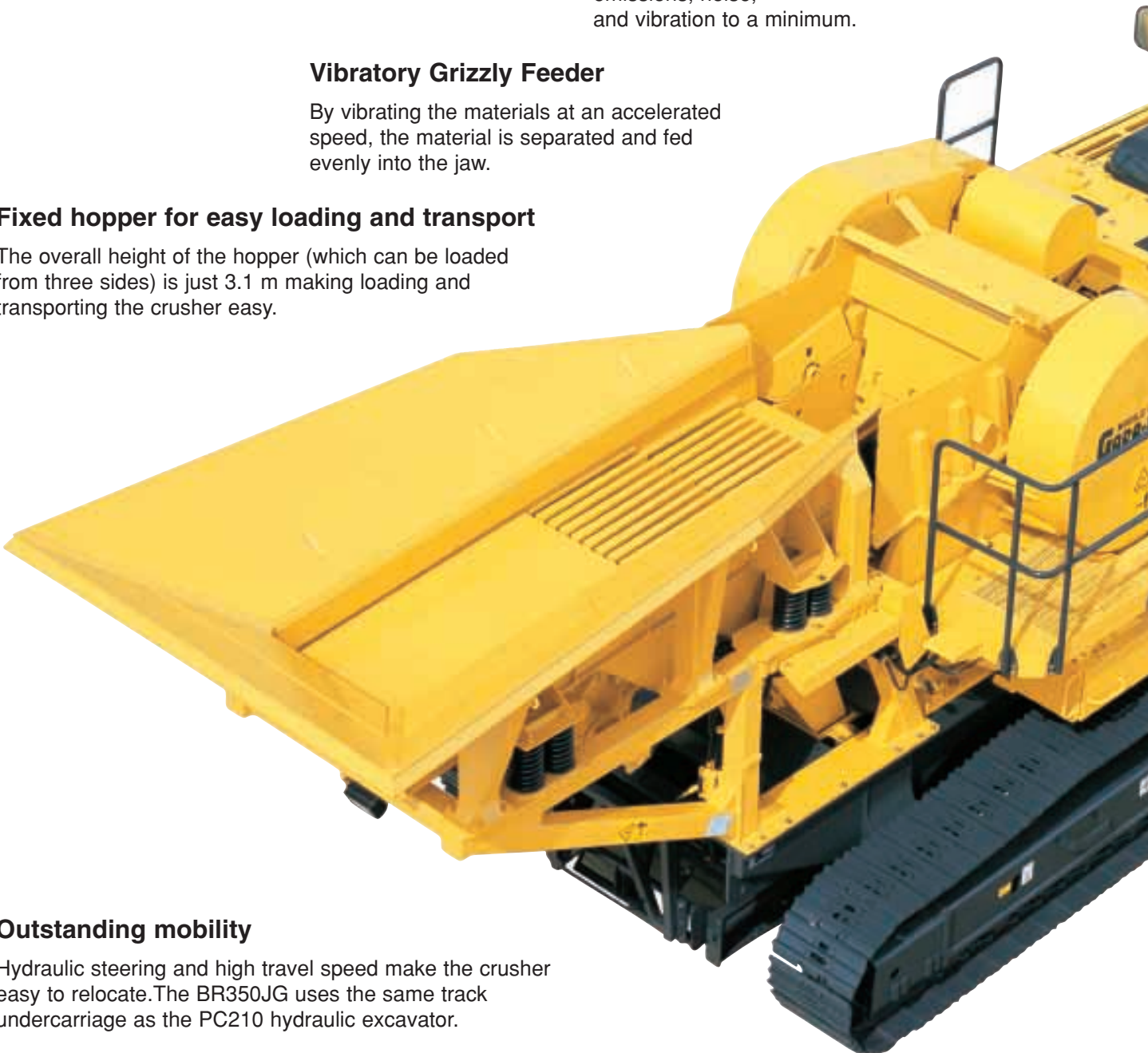
By vibrating the materials at an accelerated speed, the material is separated and fed evenly into the jaw.

Fixed hopper for easy loading and transport

The overall height of the hopper (which can be loaded from three sides) is just 3.1 m making loading and transporting the crusher easy.

Outstanding mobility

Hydraulic steering and high travel speed make the crusher easy to relocate. The BR350JG uses the same track undercarriage as the PC210 hydraulic excavator.



FLYWHEEL HORSEPOWER
118 kW 158 HP @ 2.100 rpm

OPERATING WEIGHT
30.000 kg

TREATMENT CAPACITY
48 - 165 ton/h

High-speed large-capacity conveyor belt.

A 900 mm wide, 12 mm thick belt moves at 95 m per minute. Discharge height is 2500 mm.

Rotating lamp

flashes to indicate hydraulic high pressure and activity, which automatically stops the vibrating speed of the grizzly feeder.

HydrauMind hydraulics and all hydraulic drive

Fully hydraulic drive system gets you working right away. HydrauMind system provides the optimal amount of oil through load-sensing and pressure-compensated valves. Optional equipment can be connected through hydraulic outlets in the chassis.

Emergency shut-off buttons

are provided on the left and right sides of the chassis, the control panel, both sides of conveyor and radio remote control (optional)

Sprinkler nozzle and a connector

are standard for a sprinkler pump

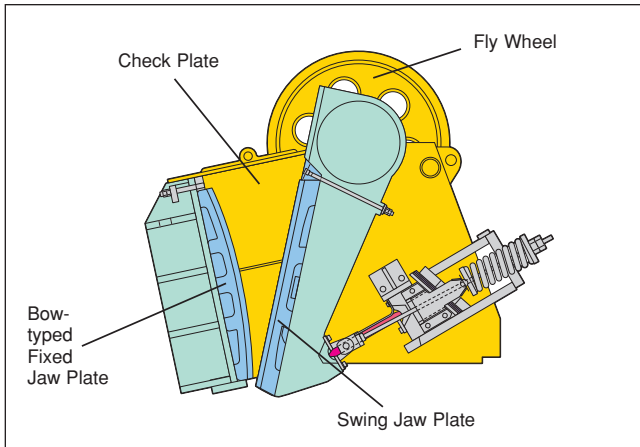
Hydraulic conveyor lifter

at the high position assures adequate ground clearance when driving. The lower position allows for more room space between bottom of crusher and conveyor surface.



PRODUCTIVITY FEATURES

Increased Productivity



Designed by Komatsu, the K-Series Jaw is portable and practical. An adjustment of the jaw discharge setting reces less time than the competition.

Crushable Materials

▼ Natural stones



Before crushing



After crushing

▼ Concrete debris



Before crushing



After crushing

Large-Capacity Jaw Crusher

The newly designed 500 mm x 940 mm crusher featuring the K-Series Jaw accepts large pieces of material up to 800 mm x 450 mm x 1000 mm (width x thickness x length) of concrete debris. The Komatsu SA6D102E-1 118 kW 158 HP output engine provides unsurpassed crushing power for not only concrete debris but also natural stones. The mobile crusher utilizes a new type of variable-speed (170 - 300 rpm) crushing control, a semi-automatic feeder system that prevents overload and Komatsu's unique mechanism for the easy adjustment of the discharge setting.

These features combine to provide outstanding crushing efficiency:

- Linear support structure provides optimum application of force for maximum crushing efficiency.
- Hydraulic drive allows restarts while the material is in the crusher and reduces the shock of foreign objects entering the jaw area.
- Manual forward/reverse button helps to remove foreign objects and eliminate bridging within the crusher.
- The forward/reverse switch makes it possible to crush with reverse rotation.
- The semiautomatic feeder system senses the load on the crusher and adjusts the feed rate accordingly to maximize efficiency for all types of rock and concrete debris.

Vibratory Grizzly Feeder

By vibrating the materials to be crushed on a two-stage grizzly bar, the Vibratory Grizzly Feeder removes muck before it can enter the crusher. This improves crushing efficiency and extends the service life of the crusher jaw plates.

- Muck removal performance is enhanced by placing the feeder at an incline of 4 degrees.
- Operating speed is controlled by an electronic speed controller so the volume going into the crusher can be regulated according to the type, size, and hardness of the material.
- The Grizzly Bar is a removable cassette-type, so replacement and build-up welding can be accomplished quickly (clearance 25 mm minimum, 50 mm maximum).

High-Speed Large-Capacity Conveyor Belt

The BR350JG is equipped with a high-speed, large-capacity, two-stage, flexure belt conveyor. It has a width of 900 mm, a thickness of 12 mm, and a speed of 95 m per minute. The rear-discharge design allows the operator to concentrate on the work at hand, improving efficiency.

- The conveyor belt discharges at a height of 2500 mm so the work can be completed without the use of secondary conveyor belts.
- A hydraulic lifter ensures adequate ground clearance when driving. The lower position allows for more room between crusher exit and conveyor surface (430 mm at travelling, 130 or 230 mm at operating).

EASY MAINTENANCE

Time and Cost Effective



The BR350JG jaw crusher makes use of Komatsu's own unique mechanism for the adjustment of the discharge setting. The tension springs require no adjustment, there is a large work space, and there is a hydraulic ram on-board. These features greatly shorten the time required for gap adjustments.

- The fixed jaw plate and the toggle plate can be easily replaced. Also, the cheek plate is divided in two so as to facilitate replacement and to reduce the cost of replacement.
- Centralized lubrication is employed.
- A turnbuckle system is used for the tensioning of the V belts.
- The engine air cleaner has a double element, and the precleaner comes as standard equipment, thus enhancing the durability of the engine.

Safety

- Emergency shut-off buttons are located on the left and right sides of the chassis and conveyor on the control panel, and radio control (optional)
- A rotating lamp flashes when there is a malfunction on the monitor display (for example when overheating occurs) and the operator is also alerted by a buzzer in the event of an abnormal shut-down of the conveyor belt or optional equipment.
- A sidewalk structure allows movement between the control panel and the crusher.
- A switch is provided to change between crushing and travel modes.
- Handrails and safety guards are provided.

Easy to Operate

- The crusher, feeder, discharge conveyor belt, and optional equipment can all be operated at the touch of a button.
- The operating speed of the crusher and the feeder can be electronically controlled by a dial.
- A semi-automatic feeder system prevents overload by detecting an imminent overload, then turning the feeder off. The load on the crusher motor can be set to 10 steps according to the hardness of the material. Also, a manual forward/reverse function allows foreign objects at the discharge port to be removed.
- With the optional radio control, the excavator operator can remotely operate the feeder on/off switch, emergency shut-off, and horn

SPECIFICATIONS



ENGINE

Model Komatsu SA6D102E-1
 Type 4-cycle, water-cooled, direct injection
 Aspiration Turbocharged
 Number of cylinders 6
 Bore 102 mm
 Stroke 120 mm
 Piston displacement 5.88 ltr
 Flywheel horsepower 118 kW 158 HP at 2100 rpm (SAE J1349)
 Governor All-speed, mechanical
 The engine meets all European emission standards.



HYDRAULIC SYSTEM

Type HydraMind (Hydraulic Mechanical Intelligence New Design) system.
 Closed-center system with load-sensing valves and pressure-compensated valves.

Main pump:
 Type Variable-displacement piston pumps
 Pumps for hydraulic system Travel, crusher, feeder, conveyor and 4 equipment options

Maximum flow 2 x 226 ltr/min
 Maximum pressure 150 kg/cm²

System oil flow (travel, crusher, feeder, conveyor, and option):
 Travel 2 x 216 ltr/min
 Crusher 210 ltr/min
 Feeder 70 ltr/min
 Conveyor 28 ltr/min
 Option 28 ltr



OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 500 mm shoes 30.000 kg



CRUSHER

Jaw K Series, hydraulic drive
 Inlet size 940 mm x 500 mm
 Outlet set (open side) 50 mm to 120 mm
 Crushing capacity 48-165 tons per hour
 Rotating speed (variable) 170 to 300 rpm



GRIZZLY FEEDER

Frequency Maximum 1.100 rpm
 Size 870 mm x 3.070 mm
 Amplitude (not loaded, all amplitude) 9 mm
 Drive type Direct drive with hydraulic motor



UNDERCARRIAGE

Seal of track Sealed track
 Track adjuster Hydraulic
 Number of shoes 51 each side
 Number of carrier rollers 2 each side
 Number of track rollers 6 each side



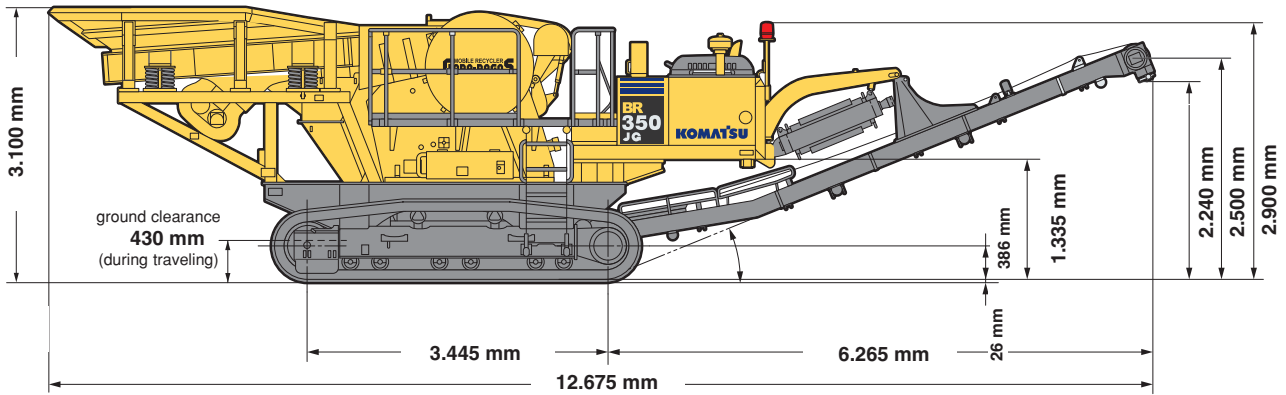
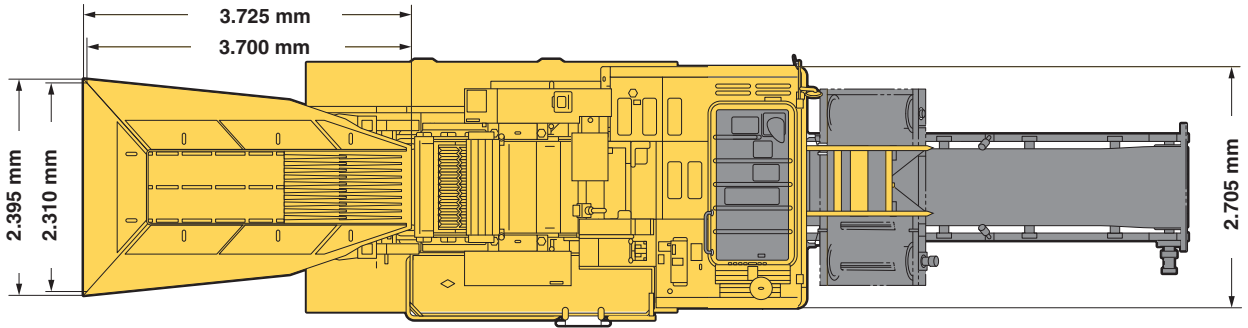
COOLANT AND LUBRICANT CAPACITY

Fuel tank 350 ltr
 Radiator 11 ltr
 Engine 24 ltr
 Final drive, each side 6 ltr
 Hydraulic system 230 ltr

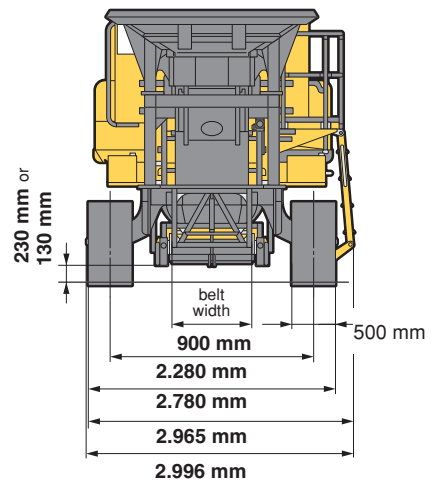




DIMENSIONS



Overall length	12.675 mm
Overall height	3.100 mm
Overall width	2.996 mm
Track shoe width	500 mm
Track gauge	2.280 mm
Length of track on ground	3.445 mm
Minimum ground clearance (working)	130 mm
Minimum ground clearance (traveling)	430 mm



MOBILE CRUSHER



STANDARD EQUIPMENT

ENGINE

- Engine, Komatsu SA6D102E-1
- Gross horsepower 118 kW 158 HP at 2100 rpm
- Turbocharged, aftercooled
- Air cleaner (double element dry type), with precleaner
- Cooling fan, suction type

ELECTRICAL SYSTEM

- Alternator, 35 ampere 24V
- Batteries, 110 Ah, 2 x 12V

HYDRAULIC CONTROLS

- HydraMind system, full hydrostatic with closed center load

- sensing (CLSS) and engine sensing (pump and engine mutual control system)
- Two piston pumps for travel, crusher, feeder, conveyor, and four equipment options

UNDERCARRIAGE

- Triple grouser shoes, 500 mm
- 6 track/2 carrier rollers (each side)
- Hydraulic track adjusters (each side)

CRUSHER

- K-Series Jaw, hydraulic drive
- Inlet size, 940mm x 500 mm
- Outlet set (open side), 50 mm to 120 mm
- Crushing capacity, 48-165 tons/hour
- Rotating speed, 170 to 300 rpm (variable)

VIBRATING GRIZZLY FEEDER

- Hydraulically driven with variable frequency

- Two-stage grizzly bars, 870 mm x 3070 mm
- Semi-automatic feed function by load sensing

DISCHARGE CONVEYOR:

- Hydraulically driven piston type motor
- Adjustable ground clearance height

Other Standard Equipment:

- Caution lamp for engine
- Sprinkler nozzle on crusher

OPTIONAL EQUIPMENT

MAGNETIC SEPARATOR

- Magnetic separator for primary conveyor, 900 mm wide

MUCK CONVEYOR

- Muck conveyor assembly, fixed type, 4 m x 450 mm
- Muck conveyor assembly, retractable type, 3 m x 450 mm
- M-type chute for retractable

- muck conveyor
- Muck type chute
- Winch for muck conveyor
- Muck conveyor, retractable
- Remote controller
- Radio controller

SCREEN

- Vibratory screen assembly, single deck, 900 mm x 2400 mm
- Mesh screen, hard rubber, 28 mm size
- Mesh screen, hard rubber, 35 mm size
- Mesh screen, hard rubber, 50 mm

SECONDARY CONVEYOR:

- Secondary conveyor, portable, hydraulic drive belt conveyor, 7 m x 600 mm wide
- Secondary conveyor, portable, hydraulic drive belt conveyor, 10 m x 600 mm wide

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