**HORSEPOWER**

- Gross: 262.5 kW (352 HP @ 1900 rpm)
- Net: 257 kW (345 HP @ 1900 rpm)

**OPERATING WEIGHT**

- 49000 - 51000 kg (108,000 - 112,440 lb)

**BR580JG-1**

**STANDARD EQUIPMENT**

- Alternator, 35 ampere, 24 V
- Anti-slip plates
- Automatic deaeration system for fuel line
- Automatic engine warm-up system
- Batteries, large capacity
- Bypass line system
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D125E-5
- Engine overheating prevention system
- Fan guard structure
- In-line filter
- Multi-function color monitor
- Automatic deaeration system for fuel line
- Automatic engine warm-up system
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dustproof net
- Rearview mirror, LH
- Shoes, triple grouser, 500 mm (20")
- Starting motor, 11 kW, 24 V, x 1

**OPTIONAL EQUIPMENT**

- Alternator, 50 ampere, 24 V
- Conveyor protective plate
- Travel control lever
- Water spray nozzles above the belt conveyor
- Water tank & spraying system
- Magnetic separator: Magnetic separator for primary conveyor, 750 mm (30") wide
- Muck conveyor: Muck conveyor assembly can be folded by hydraulic cylinder, 3414 mm x 600 mm (11'2" x 2')
- Remote controller: Function:
  - Travel
  - Left/Right
  - Forward/Reverse
  - Feeder
  - On/Off
  - Work equipment
  - Start/Stop
  - Mode selection
  - Operation/Travel
  - Emergency shut-off
  - Horn

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Genuine Answer for Land and Environment Optimization

BR580JG-1 MOBILE CRUSHER

WALK-AROUND

The newly designed Komatsu BR580JG-1 mobile crushe looks simple but is very powerful. The upgraded Komatsu designed crushe offers you amazing production capacity of MAX 460 ton/h (507 U.S. ton/h).

**High-performance jaw**

The KCJ4430 large-capacity jaw crusher guarantees maximum crushing capacity in this class along with ease of maintenance. In addition, Komatsu’s locking cylinder mechanism allows you to change the discharge clearance with a simple one-touch adjustment and also facilitates the removal of clogged foreign material from the discharge side.

**Newly designed vibrating grizzly feeder**

The vibrating grizzly feeder moves the material elliptically, so the material can be effectively separated and evenly fed into the jaw.

**HydraulMind hydraulics and all-hydraulic drive system**

Fully hydraulic drive system gets you working right away. The HydraulMind system supplies the optimal amount of oil through load-sensing and pressure-compensated valves.

**Large-capacity hopper**

The 2625 mm 8’7” x 4400 mm 14’5” feedhopper is accessible from three sides for material loading.

**High-speed, large-capacity conveyor belt**

A 1050 mm 42” wide conveyor belt travels at 120 m 394’ per minute. The discharge height is 3000 mm 9’10”.

**SAA6D125E-5 turbocharged after-cooled diesel engine**

Provides 257 kW / 345 HP for superior crushing power. EPA Tier 3 and EU Stage 3A emission regulations certified.

**Emergency shut-off buttons** are installed on both the left and right sides of the chassis, on the control panel, and on the radio remote control (option).

**Sprinkler nozzles** and a connector are standard at the jaw entry.

**Outstanding mobility**

Hydraulic steering and high-travel speed make the machine easy to relocate. The BR580JG-1 uses the same track undercarriage as Komatsu’s hydraulic excavators.

HORSEPOWER

Gross: 262.5 kW 352 HP @ 1900 rpm
Net: 257 kW 345 HP @ 1900 rpm

OPERATING WEIGHT

49000 - 51000 kg
108,000 - 112,440 lb

Photo may include optional equipment.
**New Komatsu Jaw Crusher**

The large-capacity jaw crusher, KCJ4430, is another successful example of Komatsu’s development efforts. Crushing efficiency is improved dramatically with the installation of a low-preset semi-automated feeder system.

**High-speed, large-capacity conveyor belt**

The high discharge height of 3000 mm (9’10”) makes it easy to configure a system with stock pile conveyor and screens. With its width of 1050 mm (42”) and a belt speed of 120 m (394’) /min., the belt conveyor has a high volume capacity. In addition, the conveyor reverse mode is provided to facilitate the removal of jammed foreign material.

**Large production capacity**

Komatsu’s original large-capacity jaw crusher and the most advanced control systems have considerably increased its output capacity, making it easy to manage large workloads.

**High mobility**

The conveyor elevation system secures sufficient ground clearance, which provides the crusher with outstanding maneuverability at any crushing site. In addition, improved configuration and location of the guide handle makes it much easier to operate the conveyor lifter.

The mobile crusher uses a new interlock system that controls the travel and the operation (crushing), depending on the operator’s position. The system helps prevent the conveyor from being dragged or contacting the ground and provides clearance between the jaw discharge and the conveyor belt.

**Ease of operation**

- **All the switches necessary for operation are located on the main control panel, making it easier for the operator standing on the ground to reach and control the operation.**
- **As the control system is equipped with the one-touch start feature, all you have to do is to push the start switch. This simple operation will sequentially start the operation of the magnetic separator, belt conveyor, jaw crusher and feeder.**

**Maximum reliability and minimal maintenance**

- **In addition to the spacious large clearance between the jaw crusher and the conveyor belt, the crusher’s bottom area is sealed with covers. This design prevents re-bar from being caught by the crusher’s member structure.**
- **Wide openings on the side frames also ensure easy access to the space below the crusher to remove clogged foreign material.**

**Comfortable design**

- **To prevent dust, sprinkler nozzles at the top of the jaw crusher are provided as standard equipment.**
- **The nozzles at the tip of the conveyor and the intermediate part (under the engine) are prepared as optional equipment.**

- **The engine oil drain valve**
- **Fuel pre-filter**
- **Sprinkler Nozzle**
- **Opening In The Crusher Side (both sides of undercarriage)**
- **Opening In The Engine Side (left side of undercarriage)**
- **Main Control Panel**
- **Centralized greasing of the crusher**
- **Anti-slip plates**
- **Sprinkler Nozzle**

**EASY OPERATION, MAINTENANCE**

**PRODUCTIVITY FEATURES**

- **Equipped with an eco-friendly engine**
- **Fully automatic discharge setting adjustment system**
- **Large production capacity**
- **High mobility**

**ECOT3**

- **ECOT3 Technology**
- **Engine Technology**
- **Hydraulic Technology**
- **Electronic Control Technology**
BR580JG-1 MOBILE CRUSHER

SPECIFICATIONS

ENGINE

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Komatsu SAA6D125E-5</td>
</tr>
<tr>
<td>Type</td>
<td>Turbocharged, water-cooled, 4-cylinder, direct injection EGR</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Stroke</td>
<td>150 mm 5.91&quot;</td>
</tr>
<tr>
<td>Piston displacement</td>
<td>11.04 tr 274 in</td>
</tr>
<tr>
<td>Horsepower</td>
<td>345 HP</td>
</tr>
<tr>
<td>Brake horsepower</td>
<td>393 HP</td>
</tr>
<tr>
<td>Power of engine</td>
<td>262.5 kW</td>
</tr>
<tr>
<td>Max. continuous power</td>
<td>2480 kW</td>
</tr>
<tr>
<td>Max. continuous power at 2000 rpm</td>
<td>14495 HP</td>
</tr>
<tr>
<td>Max. continuous power at 3000 rpm</td>
<td>11495 HP</td>
</tr>
<tr>
<td>Rated pressure</td>
<td>1500 kg/cm² 21,815 psi</td>
</tr>
<tr>
<td>Engine type</td>
<td>Turbocharged, water-cooled, 8-cylinder, direct injection EGR</td>
</tr>
<tr>
<td>Brake horsepower</td>
<td>393 HP</td>
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</tr>
<tr>
<td>Rated pressure</td>
<td>1500 kg/cm² 21,815 psi</td>
</tr>
</tbody>
</table>

HYDRAULICS

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main pump</td>
<td>Variable displacement piston type</td>
</tr>
<tr>
<td>Pump for</td>
<td>Crusher, feeder, conveyor, 2 equipment options, and travel circuits</td>
</tr>
<tr>
<td>Maximum flow</td>
<td>2 x 344 l/min 2 x 93.5 U.S. gal/min</td>
</tr>
<tr>
<td>Maximum travel speed</td>
<td>High: 3 km/h 1.9 mph, Mid: 2.1 km/h 1.3 mph, Low: 0.7 km/h 0.4 mph</td>
</tr>
</tbody>
</table>

OPERATING WEIGHT (APPROXIMATE)

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>49000 kg 108,000 lb</td>
</tr>
<tr>
<td>Operating weight, including Muck conveyor and Magnetic separator</td>
<td>51000 kg 112,440 lb</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>129.4 kPa 1.83 kg/cm² 18.77 psi</td>
</tr>
<tr>
<td>Ground pressure, including Muck conveyor and Magnetic separator</td>
<td>135.3 kPa 1.88 kg/cm² 19.63 psi</td>
</tr>
</tbody>
</table>

COOLANT AND LUBRICANT CAPACITY (REFILLING)

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>650 ltr 172 U.S. gal</td>
</tr>
<tr>
<td>Coolant</td>
<td>39.0 ltr 10.3 U.S. gal</td>
</tr>
<tr>
<td>Engine</td>
<td>38.0 ltr 10.0 U.S. gal</td>
</tr>
<tr>
<td>Final drive, each side</td>
<td>9.0 ltr 2.4 U.S. gal</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>248 ltr 66.5 U.S. gal</td>
</tr>
</tbody>
</table>

UNDERRAILCUAGE

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seal of track</td>
<td>Sealed track</td>
</tr>
<tr>
<td>Track adjuster</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Number of shoes</td>
<td>45 each side</td>
</tr>
<tr>
<td>Number of track rollers</td>
<td>7 each side</td>
</tr>
</tbody>
</table>

CRUSHER

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jaw</td>
<td>Komatsu KCJ4430</td>
</tr>
<tr>
<td>Discharge setting (O.S.S.)</td>
<td>55 mm to 200 mm 2.2” to 7.9”</td>
</tr>
<tr>
<td>Maximum rotating speed</td>
<td>300 rpm</td>
</tr>
</tbody>
</table>

Production Capacity

<table>
<thead>
<tr>
<th>Material</th>
<th>Crusher Discharge Setting (open side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural stone</td>
<td>140 198 200 200 260 400</td>
</tr>
<tr>
<td>Concrete debris</td>
<td>154 191 210 230 230 320 460</td>
</tr>
</tbody>
</table>

Note: The production capacity of the natural stones shown in the table is based on embankment having unconfined compression strength of about 1000 kg/cm² 14,225 psi. The production capacity of the concrete debris is based on concrete debris containing no steel bars and all the material is assumed to be dry and equal to or smaller than the optimum feed-in material size.

The Production capacity is the sum of the material crushed by the crusher and the quantity of the material that passed through the grizzly bar. It depends on the type and properties of the material and the working condition. When the crusher discharge setting is 55-100 mm 2.2”-3.9”, only concrete debris can be crushed.

GRIZZLY FEEDER

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>Maximum 1000 cpm</td>
</tr>
<tr>
<td>Size</td>
<td>1125 mm x 3850 mm 37” x 128”</td>
</tr>
<tr>
<td>Drive type</td>
<td>Direct drive with hydraulic motor</td>
</tr>
</tbody>
</table>

At operation

At transportation