CJ 系列颚式破碎机

CJ Series Jaw Crusher
CJ series Jaw Crusher owns world's advanced crushing technology. It applies finite element analysis and successfully developed on the basis of 10,000 YIFAN jaw crusher design and building experience.

Compared with traditional jaw crusher, CJ series jaw crusher has higher strength and reliability, bigger crushing ratio as well as lower overall cost.

### Technical Data

<table>
<thead>
<tr>
<th>型号</th>
<th>Max Feed Edge(mm)</th>
<th>Discharge Range Opening(mm)</th>
<th>生产能力 Capacity(t/h)</th>
<th>电机功率 Motor Power(kw)</th>
<th>重量 Weight(t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ203</td>
<td>425</td>
<td>40–150</td>
<td>50–200</td>
<td>55–75</td>
<td>7.96</td>
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<tr>
<td>CJ2440</td>
<td>500</td>
<td>60–175</td>
<td>85–300</td>
<td>75–90</td>
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<tr>
<td>CJ3040</td>
<td>640</td>
<td>70–200</td>
<td>120–490</td>
<td>90–110</td>
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<td>CJ3343</td>
<td>680</td>
<td>100–225</td>
<td>160–510</td>
<td>110–160</td>
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<td>CJ3749</td>
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<td>260–810</td>
<td>132–160</td>
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<td>CJ4255</td>
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<td>360–920</td>
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<td>CJ4763</td>
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<td>150–350</td>
<td>500–1250</td>
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<td>CJ5971</td>
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<td>160–380</td>
<td>700–1500</td>
<td>335–400</td>
<td>125</td>
</tr>
</tbody>
</table>

**Note:** The capacity is total tons per hour passing through crusher at open circuit when crushing medium and below hardness material and bulk density with 1.6×10³ kg/m³. Capacities are relative to physical character and type of feeding, feeding size and composition and so on.
Main Features for CJ Series Jaw Crusher:

1. Sturdy Structure
Two kinds of Frames: Welded and Packaged. Usually, small and medium sized model adopts welded, large model adopts packaged.
Welded frame adopts wide transitional round edge, significantly reducing the stress concentration, ensure the frame under equal strength. It owns the features of good impact resistance and low failure rate, bears same pressure, etc.
Packaged frame uses advanced modularization, no--welding frame structure design, high endurance strength and reliability. The whole set assembling design is convenient for the transporting and installation, especially suitable for installation of underground mine shaft, high altitude mine, as well as other narrow and difficult transporting place.

2. Extraordinary Cavity Design
Symmetrical V--shaped cavity design, high inclination--angle of the toggle, big stroke and reasonable speed, allows a bigger feeding size, higher capacity, uniform particle size and lower wearing of the plate.

Heavy--duty Movable Jaw Assembly adopts heavy--duty eccentric shaft, high quality heavy--load rolling bearings and finite element software optimized movable jaw plate ensuring impact resistance and high stability of moving jaw assembly; labyrinth seal and centralized lubrication system guarantee the bearing lubrication oil is not contaminated and lubrication becomes more convenient. Therefore the assembly can have a long working time and difficult transporting place.

4. Shield Design for the Movable Jaw
Heavy shield is installed above the movable jaw to avoid the material’s impact. It can effectively protect the movable jaw and its internal bearing from damage.

5. Overall Bearing Support
Overall cast steel bearing support fully compatible with the rack, avoiding the combined bearing support has a unnecessary radical load on the bearing during the fastening process, making the bearing to run more smoothly.

6. Convenient Particle Size Adjustment
CJ series Jaw Crusher adopts mechanical or hydraulic adjustment for the discharge range, compared with shim adjustment, double wedge adjustment operations is simpler, more secure faster, and saves more downtime.

7. Integrated Motor Installation
Integrated installation of motor seat and frame can not only save installation space, reduce the length of v--belt, but also can prolong v--belt working time, since the frame, motor seat, synchronous move of motor, adjustable motor seat bring v--belt tension adjustment.

8. Vibration Absorption Design
Crusher fixed by rubber vibration absorption device, which can effectively absorb vibration peak, while allow the vertical and longitudinal displacement of the crusher, thus reducing the impact on the foundation.
Our products are constantly updated and improved. YIFAN reserves the right to modify parameters and design without notice.

In the photo products’ color and appearance might have difference from the actual models, the color need to be subject to the real object.

The configuration in this manual are not necessarily the Ex-factory standard, please contact with us before purchasing.