

JC Jaw Crusher

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JC series Jaw Crushers are widely used in mine, building materials, chemical industry, metallurgy, whose compressive strength is below 320Mpa. **JC Jaw Crusher**, as the first choice of primary crushing, can be divided into coarse crushing and fine crushing with world-level advanced technology.



Features of JC Jaw Crusher

1. World-level manufacturing technology is adopted, and highest-level raw material is used.

2. Central lubricating device are installed on the machine, so the bearing is easy to be lubricated.

3. Adjustment of the discharge part is more convenient.

The adjustment methods: gasket adjustment, hydraulic assistant adjustment, wedge block and wedge hydraulic adjustment.

4. More advanced movable jaw assembly lengthens life of crusher.

Movable jaw assembly is made from cast piece with high-quality, is driven by two large flying wheels which are made from cast steel. Moreover, heavy eccentric shaft is processed by forged mold. All of these make the **JC series jaw crusher** extremely reliable.

5. Integral cast steel structure is adopted for bearing seat. Integral cast steel bearing matches well with the crusher frame, at the same time, radial strength of the bearing seat is highly strengthened.

6. Finite element analysis technology is adopted to make the crusher much stronger.
 7. Crusher chamber adopts "V" structure which could make actual feed width comply with the nominal one.
 8. Bearing with larger model and higher load are used.
- All JC jaw crusher is equipped with larger bearing compared with same model of normal jaw crusher. Its higher load capacity and effective oil seal will lengthen the life of bearing.
9. A newly designed tooth-shape side plate, makes the available area of jaw plate longer, and enhances the capacity.
 10. Pressing bar and support type are used to fix jaw plate.
 11. Heavy type protecting plate is installed for bearing seat, accidental damage of bearing seat is avoided.
 12. Supporting bar under jaw plate protects movable jaw and frame from being worn down. rate bearing seat does not have this advantage.

Working Principle of JC Jaw Crusher

The motor transmits power through belt, drives the moving jaw to do periodic motion towards the fixed jaw by the eccentric shaft. The angle between toggle plate and moving jaw plate increases when moving jaw moves . So the moving jaw moves towards the fixed jaw. The stuff will be crushed in this process. The angle between toggle plate and moving jaw decreases when moving jaw moves down, the moving jaw moves leaves fixed jaw by pulling rod and spring, the final crushed stuff will be discharged from the outlet.

Technical Data of JC Jaw Crusher

Model	JC760×1100	JC840×1100	JC1100×1200	JC180×1300	JC250×1000	JC250×1300	JC400×600
Opening Size (mm)	760×1100	840×1100	1100×1200	180×1300	250×1000	250×1300	400×600

Max. Feed Size (mm)	620	720	930	150	220	220	350
Discharge Opening Range (mm)	75-200	100-225	150-275	10-30	20-40	70-100	35-85
Shaft Speed (r/min)	270	240	210	320	330	290	250
Capacity (t/h)	150-350	200-500	300-650	12-35	15-50	26-85	15-70
Motor	Power (kw)	110-132	132-160	185-200	30-37	30-37	37-45
	Speed (r/min)	985	985	740	980	980	980
Dimension (mm)(L×W×H)	2600×2500×2200	3300×2320×3120	4140×2660×3560	1320×2150×1175	1400×1850×1310	1450×2150×1175	1920×1460×1840
Weight (kg)	24000	32000	59200	6000	6800	7800	8000

Note: Any change of **JC Jaw Crusher** technical data shall not be advised additionally.

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