



ZHENG ZHOU YIFAN MACHINERY CO; LTD.

Tel: 0086-371-64628852 Fax: 0086-371-64628872

Address: Xinyang Eastern Development Zone, Zhengzhou, PRC.

Jaw Crusher



ZHENGZHOU YIFAN MACHINERY CO.,LTD.

Tel:+86-371-64628852 Fax: +86-371-64628872
<http://www.yfcrusher.com>

As a leading manufacturer of whole set of crushing and screening equipment and a solution provider of aggregate production, Zhengzhou Yifan Machinery Co., Ltd., whose shareholder is Shande Technology(Beijing) Co., Ltd., can produce high-efficient and energy-saving crushing equipment. The mid-&large-scale jaw crushers are our premium products. In China, we reach the leading level on designing and producing large-scale jaw crusher. Jaw crusher is one of the common machines, used in the industrial and mining industry. It is mainly used as a primary and secondary crusher to crusher the material, whose compression strength is not more than 320Mpa. It has the features of simple structure, reliable operation, easy maintenance and low operation cost.

This jaw crusher is mainly used in various industries, such as mining, smelting, road and railway construction, water conservation and chemical industry etc. The feed size of the crusher is less than 500 mm and the compressive strength of material to be crushed does not exceed 320Mpa.

This crusher adopts the electric motor as the power. The eccentric shaft is revolved by an electric motor through v-belts. It causes the swing jaw following the preconcerted path to crush the feeding material. Thus the material will be crushed in the crushing chamber which is composed of the stationary jaw plate, swing jaw plate and the liner plate. The material is discharged from the lower part of machine that is what you want. The motor transmits power through belt, drives the moving jaw do periodic motion to the fixed jaw surround the eccentric shaft. The angle between toggle plate and moving jaw increases when moving jaw moves up. So the moving jaw closes to the fixed jaw. The stuff will be crushed in this process. The angle of Jaw Crusher between toggle plate and moving jaw decreases when moving jaw moves down, the moving jaw of Jaw Crusher moves away from fixed jaw by the pulling of rod and spring, the products after crushing will be discharged from the outlet of Jaw Crusher. The moving jaw crushes the materials periodically, which ensures the continuous production.

Main parts of Jaw Crusher:

It is made up of frame, eccentric shaft, grooved wheel, flywheel, moving jaw, side guard plate, toggle plate, toggle backseat, adjusting screw, returning spring, fixed jaw plate and moving jaw plate. Toggle plate is of safety function

Performance characteristics:

1. Simple structure, easy maintenance, reliable performance, large crushing ratio
2. Deep crushing cavity with no dead zone, which improves the capacity
3. Large crushing ratio, even product size
4. Adjustable discharge port—gasket-type, which is reliable and convenient. The big adjusting range ensures the flexibility.

Structural characteristics:

The structure adopts high-strength manganese, and is cast and shaped at a time, which is of high resistance, high compression, and long service life. It is suitable to crush big, middle, or small stone or something like that.

Special remarks:

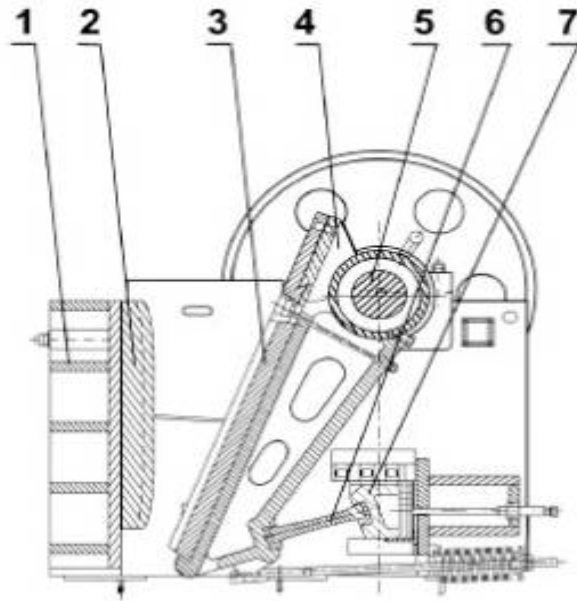
Please carefully examine the fasteners, especially lubrication components and bolts, before the machine is started. Enough oil must be needed on each lubrication component. Fasten the loose bolts, clear the crushing cavity, and then start the machine. During the normal operation, even material feeding is important. Insufficient load or over load is not allowed. Moving jaw plate, fixed jaw plate, side guard plate and roof plate are wearing parts, and much attention should be paid to them.

Main technical parameters:

| Model and specification | Feed port size(mm) | Max feed size(mm) | Discharge range(mm) | Capacity(m ³ /h) | Motor(Kw) | Weight(t) |
|-------------------------|--------------------|---------------------|---------------------|-----------------------------|-----------|-----------|
| PE-250×400 | 250×400 | 210 | 20-60 | 3-13 | 15 | 2.8 |
| PE-400×600 | 400×600 | 340 | 40-100 | 10-35 | 30 | 6.5 |
| PE-500×750 | 500×750 | 425 | 50-100 | 25-60 | 55 | 10.6 |
| PE-600×900 | 600×900 | 500 | 65-180 | 30-85 | 55-75 | 15.5 |
| PE-750×1060 | 750×1060 | 630 | 80-180 | 72-150 | 90-110 | 28 |
| PE-800×1060 | 800×1060 | 680 | 100-200 | 85-143 | 90-110 | 30 |
| PE-870×1060 | 870×1060 | 750 | 170-270 | 145-235 | 90-110 | 30.5 |
| PE-900×1060 | 900×1060 | 780 | 200-290 | 170-250 | 90-110 | 31 |
| PE-900×1200 | 900×1200 | 780 | 95-255 | 100-240 | 110-132 | 49 |
| PE-1000×1200 | 1000×1200 | 850 | 195-280 | 190-275 | 110-132 | 51 |
| PE-1200×1500 | 1200×1500 | 1020 | 150-300 | 250-500 | 160 | 100.9 |
| PEX-150×750 | 150×750 | 120 | 18-48 | 5-16 | 15 | 3.5 |
| PEX-250×750 | 250×750 | 210 | 25-60 | 8-22 | 22 | 4.9 |
| PEX-250×1000 | 250×1000 | 210 | 25-60 | 10-32 | 30-37 | 6.5 |
| PEX-250×1200 | 250×1200 | 210 | 25-60 | 13-38 | 37 | 7.7 |
| PEX-300×1300 | 300×1300 | 250 | 20-90 | 10-65 | 75 | 11 |

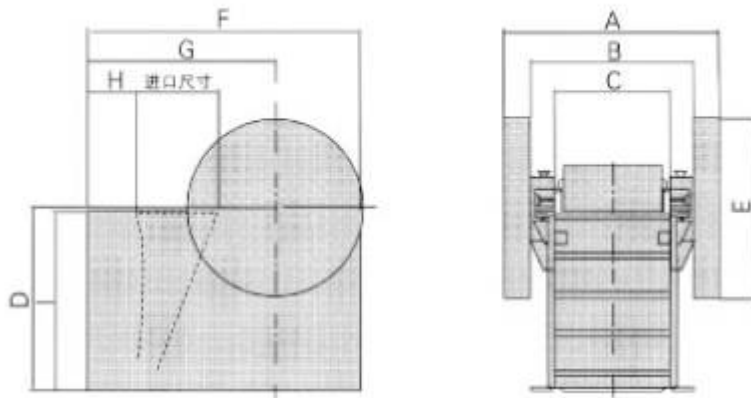
Note: The capacity above is the data when processing the mid-hard material and crushed material with 1.6t/m³ loose density.

[结构图] Structural Drawing



1. frame 2. fixed jaw plate 3. moving jaw plate 4. move jaw 5. eccentric shaft
6. toggle plate 7. adjusting toggle seat

[外形尺寸] Overall Dimensions



Overall dimension(mm):

| Model and specification | A | B | C | D | E | F | G | H | I |
|-------------------------|------|------|------|------|------|------|------|-----|------|
| PE-250×400 | 1315 | 938 | 554 | 890 | 812 | 1450 | 750 | 220 | 735 |
| PE-400×600 | 1732 | 1110 | 636 | 1105 | 962 | 1565 | 955 | 255 | 990 |
| PE-500×750 | 1916 | 1256 | 820 | 1270 | 1200 | 1890 | 1370 | 435 | 1185 |
| PE-600×900 | 1840 | 1400 | 960 | 1540 | 1515 | 2305 | 1590 | 390 | 1505 |
| PE-750×1060 | 2472 | 1820 | 1060 | 2010 | 1660 | 2450 | 1850 | 530 | 1980 |
| PE-800×1060 | 2556 | 1780 | 1060 | 1970 | 1660 | 2610 | 2010 | 585 | 1840 |
| PE-870×1060 | 2556 | 1780 | 1060 | 1970 | 1660 | 2660 | 2060 | 585 | 1840 |
| PE-900×1060 | 2556 | 1780 | 1060 | 1970 | 1660 | 2690 | 2090 | 585 | 1840 |

| | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|-----|------|
| PE-900×1200 | 3182 | 1976 | 1200 | 2125 | 1800 | 3335 | 2155 | 830 | 2530 |
| PE-1000×1200 | 3182 | 1976 | 1200 | 2125 | 1800 | 3435 | 2255 | 830 | 2530 |
| PE-1200×1500 | 3732 | 1780 | 1620 | 2700 | 2285 | 4200 | 2940 | 970 | 3480 |
| PEX-150×750 | 1658 | 1236 | 790 | 625 | 800 | 1380 | 740 | 337 | 500 |
| PEX-250×750 | 1667 | 1250 | 770 | 930 | 800 | 1445 | 855 | 305 | 850 |
| PEX-250×1000 | 1992 | 1500 | 1010 | 930 | 900 | 1530 | 905 | 330 | 850 |
| PEX-250×1200 | 2192 | 1700 | 1220 | 930 | 1000 | 1900 | 965 | 365 | 850 |
| PEX-300×1300 | 2320 | 1840 | 1320 | 1110 | 1228 | 1750 | 1170 | 430 | 930 |

For further details, please visit our website: www.yfcrusher.com .

International trade department

Tel: +86-371-64628852, +86-371-64963352

Fax:+86-371-64628872

Email: yifan@yfcrusher.com

MSN Online: wyh787415@yahoo.com.cn