

# XGY1000



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Multi Cylinder Cone Crusher

XGY1000 is a multi cylinder cone crusher, which is independently developed by XCMG based on years of experience in research and development of machinery. This cone crusher is more stable, more efficient and more intelligent, and as the second-step and third-step crushing equipment in material machining, it is widely applied in mining, water engineering, metallurgy and building material industries.

## Performance and characteristics

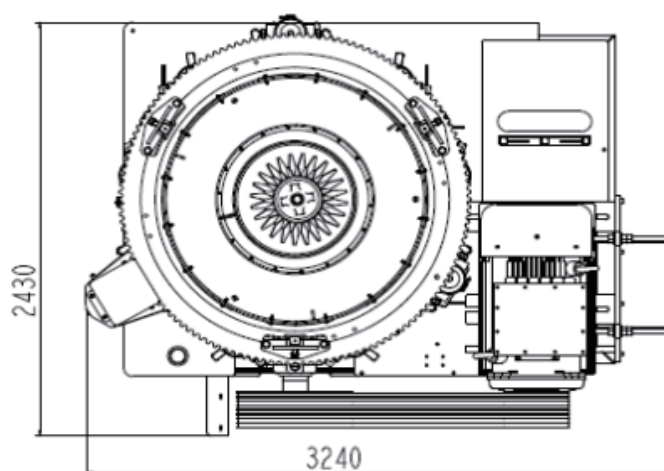
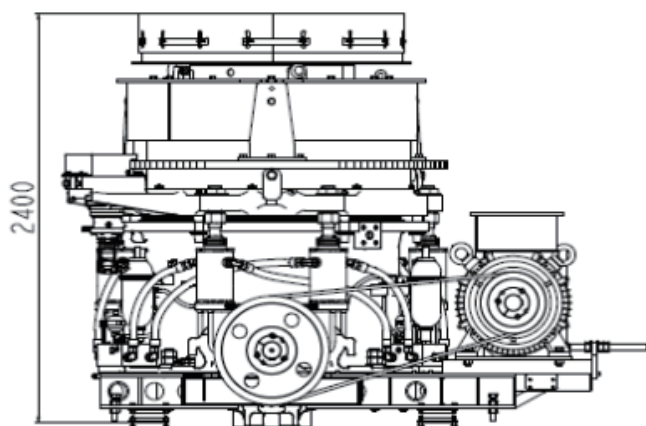
- With adoption of mature belt drive method, coupled with famous motor, machine power becomes stronger and crushing efficiency is higher. With low energy consumption and low noise, it significantly reduces environmental damage. It has stronger crushing force, driving force and tractive force that guarantee quick and efficient working performance. Strong, durable and well-tested components and precise manufacturing process make this product series more reliable and more efficient, and meet requirements of all working conditions.
- Hydraulic system from international famous brands and high-quality hydraulic elements, together with advanced and reliable load sensitive

control system provides stronger protective capability and ensure efficient operations.

- Di-directional iron-pass release cylinder allows tramp iron to quickly pass, which may usually cause other types of crushers to get stuck or damaged. So this mechanism can reduce the time spent on downtime maintenance and help the machine work longer.
- Discharge opening is automatically adjustable, can always remain unchanged, so that the chamber is always filled up, which can truly realize "laminated" crushing and gain more satisfying size of grain and better crushing effect.

## Dimension in working configuration

Unit: mm



| Item                                                                  | Unit | Parameter                                   |
|-----------------------------------------------------------------------|------|---------------------------------------------|
| Max. feedstock size                                                   | mm   | 220                                         |
| Range of discharge opening                                            | mm   | 8~45                                        |
| Rated handling capacity                                               | t/h  | 95~380                                      |
| Driving type                                                          | /    | Motor + narrow V belt                       |
| Motor power                                                           | kW   | 220                                         |
| Horizontal shaft rotation                                             | /    | Counterclockwise (seen from top)            |
| Eccentric bushing rotation                                            | /    | Counterclockwise (seen from outside)        |
| Working environment temperature                                       | °C   | -20~+40                                     |
| Overall weight                                                        | kg   | 17500                                       |
| Overall dimensions (L×W×H) (oil station and cabinet are not included) | mm   | 3240×2430×2400                              |
| <b>Fixed cone assembly</b>                                            | mm   | Ø1720                                       |
| Max. outer diameter                                                   | mm   | 940                                         |
| Height                                                                | /    | Three-rib four-base structure               |
| Main structure form                                                   | mm   | 2390×1920×1330                              |
| Overall dimensions (L×W×H)                                            | /    | Welding                                     |
| Lining plate connection                                               | mm   | 1037×1321                                   |
| Base seat mounting size                                               | /    | Standard                                    |
| Rotation speed sensor                                                 | /    | Thin oil lubrication                        |
| Lubricating method                                                    | /    | Straight tooth bevel gear                   |
| Bearing type                                                          | /    | 21                                          |
| Number of pinions                                                     | mm   | 0.6~1                                       |
| Gear backlash                                                         | mm   | Ø1000                                       |
| Max. diameter of moving cone base                                     | /    | Self-locking bolt for tightening            |
| Fixed form of moving cone liner                                       | /    | Straight tooth bevel gear                   |
| Bearing type                                                          | /    | 55                                          |
| Number of pinions                                                     | mm   | 0.6~1                                       |
| Gear backlash                                                         | mm   | 38.1mm (Left-hand rotation internal thread) |
| Pitch of thread for adjusting ring and locking ring                   | /    | Grease                                      |
| Lubricating method                                                    | MPa  | 18.1                                        |
| Lock cylinder max. working pressure                                   | /    | 400                                         |
| Reduction ratio                                                       | Nm   | 100                                         |
| Braking torque                                                        | mL/r | 2.7                                         |
| Hydraulic motor displacement                                          | L    | Motor + narrow V belt                       |
| Oil amount                                                            | /    | 220                                         |
| Driving type                                                          | kW   | 380                                         |
| Motor power                                                           | V    | 1280                                        |
| Rated voltage of motor                                                | kg   | 6                                           |
| Motor weight                                                          | L    | 230                                         |
| Energy accumulator volume                                             | bar  | 131                                         |
| Release cylinder working pressure                                     | mm   |                                             |
| Release cylinder stroke                                               |      |                                             |

### Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.

