

XGY1300D



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Multi Cylinder Cone Crusher

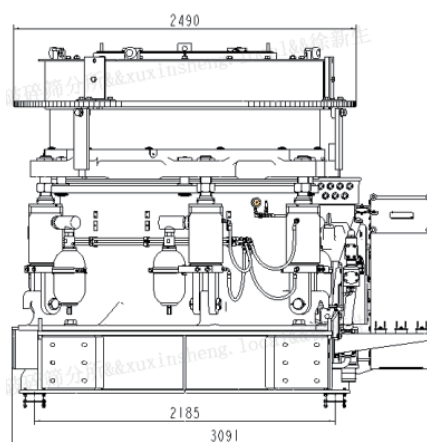
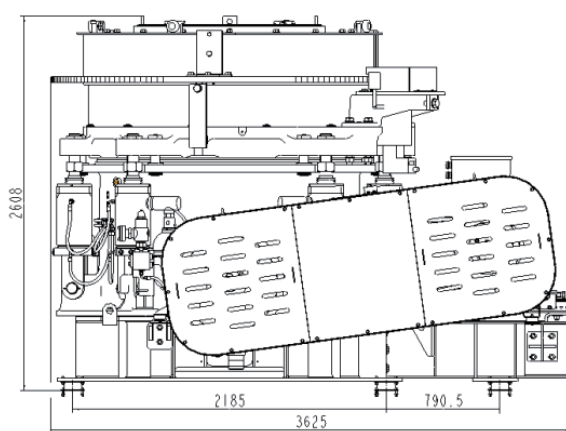
XGY1300D is a large-sized single cylinder cone crusher, which is independently developed by XCMG based on years of experience in research and development of machinery. This cone crusher is more stable, more efficient and more intelligent, and as the second-step and third-step crushing equipment in material machining, it is widely applied in mining, water engineering, metallurgy and building material industries.

Performance and characteristics

- Crusher has a load detection technology and discharge opening has automatic setting, accurate positioning and automatic aligning functions.
- With a deep cavity design, materials can fall more rapidly into the steep crushing chamber by gravity, which increases material processing capacity.
- The application of constant crushing chamber structure makes lining plate and chamber shape remain unchanged during its lifespan, which keeps allowed max. feedstock grain size and production capacity constant.
- The design of high swinging frequency and small eccentric distance can increase crushing times in unit time and improve crushing efficiency.
- 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.
- Based on a design concept of an anti-toss, anti-wear, anti-drop and anti-leak structure, materials with a larger size are allowed in, so that hopper achieves more continuous production.

Dimension in working configuration

Unit: mm



Item		Unit	Parameter
Max. feedstock size		mm	300
Range of discharge opening		mm	10~51
Rated handling capacity		t/h	140~635
Driving type		/	Motor + narrow V belt
Motor power		kW	315
Horizontal shaft speed		rpm	700~1000
Horizontal shaft rotation		/	Counterclockwise (seen from outside)
Eccentric bushing speed		rpm	265~378
Eccentric bushing rotation		/	Counterclockwise (seen from top)
Working environment temperature		°C	-20~+40
Type of crushing chamber		F	Min. discharge opening 14mm
		M	Min. discharge opening 20mm
		C	Min. discharge opening 25mm
		EC	Min. discharge opening 30mm
Overall weight		kg	28100
Overall dimensions (L×W×H) (oil station and cabinet are not included)		mm	3625×3080×2610
Motor assembly	Reduction ratio	/	28.4
	Braking torque	Nm	500
	Hydraulic motor displacement	mL/r	158.7
	Oil amount	L	4
Drive system	Driving type	/	Motor + narrow V belt
	Motor power	kW	315
	Rated voltage of motor	V	380
	Motor max. torque/rated torque	/	≥2.9
Crusher attachments	Motor locked rotor torque/rated torque	/	≥1.25
	Motor weight	kg	1770
	Shock absorber	/	6
	Energy accumulator volume	L	10
Hydraulic system	Inflation pressure of energy accumulator	bar	105
	Energy accumulator max. working pressure	bar	330
	Release cylinder working pressure	bar	230
	Release cylinder stroke	mm	150
Lubrication system	Hydraulic oil tank volume	L	100L
	Pump	/	Gear pump
	Pump displacement	L/min	14.53
	Pump motor power	kW	7.5
Dust removal system	Diesel tank volume	L	400L
	Pump design	/	Gear pump
	Pump displacement	L/min	150.79 (50Hz)
	Pump motor power	kW	7.5
Dust removal system	Fuel heater power	kW	4×3
	Type	/	Positive pressure air system
	Air input	min	> 0.3
	Air pressure	Pa	> 600

Notes:

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