

XGY1100D



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Single Cylinder Cone Crusher

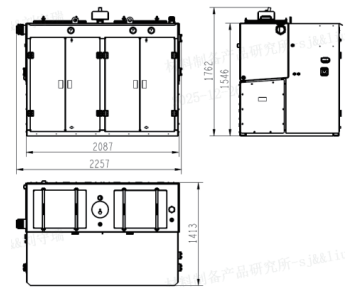
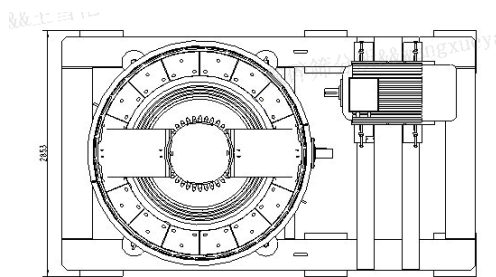
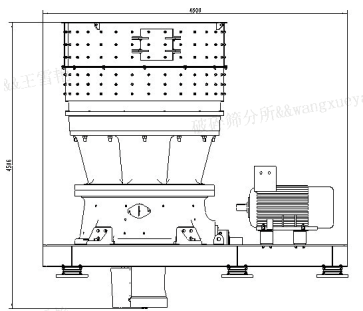
XGY1100D is a large-sized single cylinder cone crusher, which is independently developed by XCMG based on years of experience in research and development of machinery. This cone crusher is more stable, more efficient and more intelligent, and as the second-step and third-step crushing equipment in material 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
Overall Machine Parameters	Max. feedstock size	mm	215
	Range of discharge opening	mm	8~44
	handling capacity	t/h	90~384
	Driving type	-	Belt drive
	Motor power	kW	250
	Horizontal shaft speed	rpm	1490±5
	Horizontal shaft rotation	-	Counterclockwise (seen from outside)
	Eccentric bushing rotation	-	Clockwise (seen from top)
	Working environment temperature	°C	-20~+40
	Type of eccentric bushing	-	(13、16、20、24)、(24、28、32)、(32、36、40、44)
Hydraulic cylinder assembly	Chamber type	-	EC、C、MC、M、MF、F、EF
	Overall weight	kg	14300±500
	Overall dimensions (L×W×H) (oil station and cabinet are not included)	mm	2255×2100×3000
	Gear type	-	Klinberg
	Inner diameter of oil cylinder	mm	430
Drive system	Oil cylinder stroke	mm	230
	Material of cylinder block	-	G28Mn6+N
	Displacement sensor	-	Standard
	Driving type	-	Motor+V-belt drive
	Motor power	kW	250k
Feed hopper	Rated voltage of motor	V	380
	Rated rotation speed of motor	rpm	1490±5
	Rated frequency of motor	Hz	50
	Motor max. torque/rated torque	-	≥1.5
	Motor locked rotor torque/rated torque	-	≥1.5
Hydraulic system	Shock absorber	-	4
	Size (OD×H)	mm	Ø2300×1250mm
	Volume	m³	1.67
	Access door	-	Two access doors are arranged symmetrically
	Hydraulic oil tank volume	L	160
Main Lubrication System	Pump	-	Screw pump
	Pump displacement	-	20L/min(50Hz)
	Pump motor power	kW	7.5
	Fuel tank capacity	L	500
	Pump design	-	Screw pump
Horizontal shaft lubrication system	Pump displacement	-	130L/min(50Hz)
	Pump motor power	kW	7.5
	Number of oil filter element	-	6
	Number of fuel heater	-	4
	Fuel heater power	kW	1.66-2.22
Dust removal system	Diesel tank volume	L	80
	Pump design	-	Gear pump
	Pump displacement	-	0.7L/min(50Hz)
	Pump motor power	-	0.25kW(50Hz)
	Number of oil filter element	-	1
Dust removal system	Type	-	Over-pressure air system
	Air input	-	Blower
	Air flow	m³/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.

