



C6X 系列颚式破碎机

C6X Series Jaw Crusher

全球最理想的粗碎设备

Global Most Ideal Coarse Crushing Equipment



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为解决市场上现有颚式破碎机生产效率低、安装维护困难等问题，世邦工业科技集团股份有限公司作为全球顶尖的岩石和矿物加工设备供应商，在多年的产品研发和数千条生产线工程服务经验基础上，开发出了新一代高效颚式破碎机——C6X系列颚式破碎机，其设备结构、使用功能和生产效率等各项指标均为国际一流水平，成为目前国内外市场上最理想的粗碎设备。

SBM is the globally rock and mineral processing equipment supplier. In order to solve such problems as low production efficiency, and difficult installation and maintenance of the existing jaw crushers on the market, SBM developed a new generation of energy-efficient jaw crusher - C6X series jaw crusher with its years' experience in product development and production as well as services in thousands of production line projects. The C6X series jaw crusher has all international first-class level indexes (such as equipment structure, use functions, production efficiency, etc.), and becomes the most ideal coarse crushing equipment on the market currently at home and abroad.



当破碎高硬度、强腐蚀性物料时，C6X系列颚式破碎机仍然可以十分高效出色的完成任务。其设备结构、制造工艺及材料选择决定了其机身的高强度、应用的广泛性，不仅可以用于最坚硬的岩石和矿石的粗碎作业，还可以在地面和井下最苛刻的生产环境下连续生产，确保客户生产效能的最大化。

When crushing such materials high in hardness and strong in corrosion, C6X series jaw crusher still can complete the task efficiently and excellently. The equipment structure, manufacturing process and material selection has determined the bodywork high strength and its universality application, so the equipment can not only be applicable to coarse crushing of the hardest rocks and ores, but also can manage continuous production in the most stringent production environment underground to maximize customers' production efficiency.

C6X系列颚式破碎机汇聚了我们最优的研究成果和工程技术能力，无论是用于建筑、道路、矿山、冶金、水泥、煤炭还是固体废弃物处理时，该设备均可很好的满足用户的粗碎使用要求，为用户成功打下坚实的基础。

C6X series jaw crusher has absorbed our optimal research achievements and engineering technical abilities, and whether used in buildings, roads, mining, metallurgy, cement and coal mining or in treatment of solid wastes, the equipment can remarkably meet users' demands for coarse crushing and lay a solid foundation for users' success.

-----精益设计 只为成就更高品质-----

Lean design - For higher quality only

C6X系列颚式破碎机通过对设备结构、破碎腔型、动颚运动轨迹和转速参数的优化，获得合理的惯性矩和更大的破碎冲程，使设备在同功耗下破碎效率更高，客户投资回报率更大。

C6X series jaw crusher boast more reasonable moment of inertia and greater crushing strokes through optimization of the equipment structure and crushing cavity type as well as the motion trail and speed parameters of the movable jaw, able to achieve higher crushing efficiency at the same power consumption and thus offer customers a larger rate of return on investment.



高效腔型 破碎效率高

Efficient cavity type Higher crushing efficiency

C6X系列颚式破碎机腔型是在反复的计算和实践应用的基础上优化设计的，设备运动学性能更高，配合大冲程、陡肘板倾角设计，使破碎腔最底部的冲程更大，物料吞吐能力更强，大大提高了破碎效率。

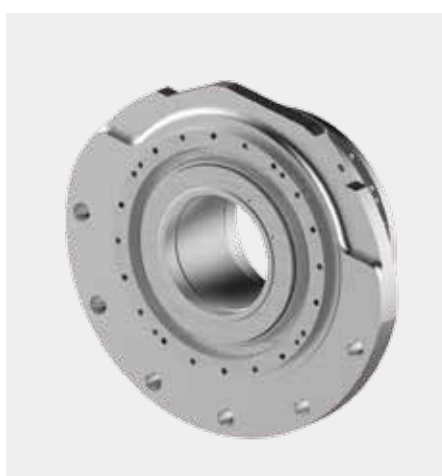
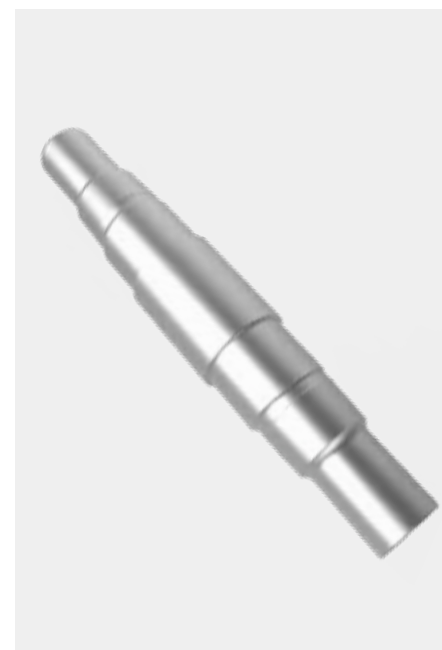
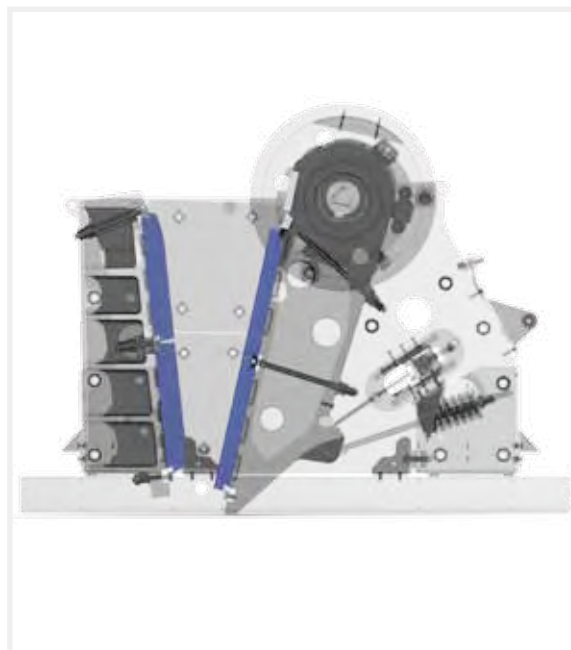
The cavity type of C6X series jaw crusher is optimized and designed on the basis of repeated calculation and practical applications, able to achieve higher kinematic performance; moreover, its large stroke and steep bracket angle design can realize a greater stroke at the bottom of the crushing cavity, achieve stronger material throughput and thus greatly improve the crushing efficiency.

可拆分机架 强度更高

Detachable frame-Higher strength

C6X系列颚式破碎机采用侧板、前后机架分离设计，侧板采用两块热轧钢板，调整座和前机架采用高强度铸钢，通过螺栓和销轴固定。避免了因焊接带来的应力集中问题，同时机架可以拆分，方便安装运输及维护。

C6X series jaw crusher adopts the design that the side plates are separated from the front and rear frames, the side plates use two hot rolled steel plates, the adjusting bearer as well as the front and rear frames adopt high-strength cast steel and are bolted with the pin shaft, which has avoided the stress concentration during welding; at the same time, the detached frames can facilitate installation, transportation and maintenance.



1、动颚采用高质量铸钢件整体铸造设计，且整体结构经过优化设计，确保设备在高频率破碎坚硬物料时的可靠性。

1.The movable jaw adopts the high-quality steel integral casting design, with the overall structure optimized during design to ensure the equipment reliability during high-frequency hard material crushing.

2、C6X系列颚式破碎机主轴采用重型锻打偏心轴，配套四个大规格高品质轴承，使设备具有超强的承载能力。

2.The main shaft of the C6X series jaw crusher adopts a heavy-duty forged eccentric shaft supported by four large-sized high-quality bearings, able to have the equipment achieve super-strong bearing capacity.

3、机架轴承盒采用整体铸造设计，轴承盒和机架准确配合通过螺栓固定，避免分离式轴承盒对轴承产生的不良受力影响，提高轴承的可靠性。

3.The frame bearing box adopts an integral casting design with the bearing box and frames fitting accurately and firmly by bolts to avoid adverse stress impact of the detachable bearing box on bearings and thus improve the bearing reliability.

4、设备飞轮和带轮采用星型布筋高转动惯量设计，整体铸造而成，强度高，可以储存更大的能量，为破碎作业提供更强劲的动力。

4.The equipment flywheel and pulleys adopt a star-reinforced high inertia moment design subject to overall casting featuring high strength, able to store more energy and thus provide stronger power for crushing operation.

高品质铸锻 确保设备可靠性能

High quality casting To ensure reliable performance

为了确保设备在破碎坚硬物料时能够高效率作业，C6X系列颚式破碎机的核心转动部件如高质量铸造动颚体、大偏心距重型锻造偏心轴、高转动惯量的铸造飞轮和高强度整体铸钢轴承盒，强劲的动力配合合理设备转速，确保设备稳定高效率生产。

In order to ensure stable and efficient production of the equipment during crushing hard materials, C6X series jaw crusher is equipped with such core rotating components as high-quality casting movable jaw body, large-eccentric heavy-duty forged eccentric shaft, cast flywheel with a high moment of inertia and high-strength integrated cast steel bearing box, as well as strong power with reasonable speed configurations.

国际化高标准配置

International top configurations

高品质的原材料及可靠性设计为C6X系列颚式破碎机破碎超硬物料提供了足够的设备强度和耐久性能，并降低了维修成本。

High-quality raw materials and reliable design can provide sufficient equipment strength and remarkable durability for C6X series jaw crusher during superhard material crushing and thus reduce the maintenance costs.

更好的选材 只为更强的质量 Better raw materials For better quality only

选用更好的原材料和铸锻件，C6X系列颚式破碎机在关键部件上均选用国内外更好的材料，如侧板、前后墙、动颚体、主轴等。

Better raw materials, castings and forgings - C6X series jaw crusher selected better materials both at home and abroad for such key components as side plates, front and back walls, movable jaw body and shaft.

多种可选配置 扩大用户选择范围 Rich optional configurations - For users' wider options

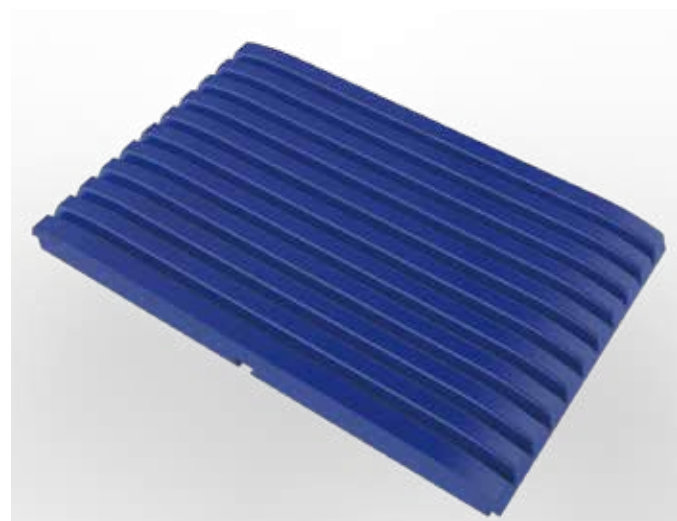
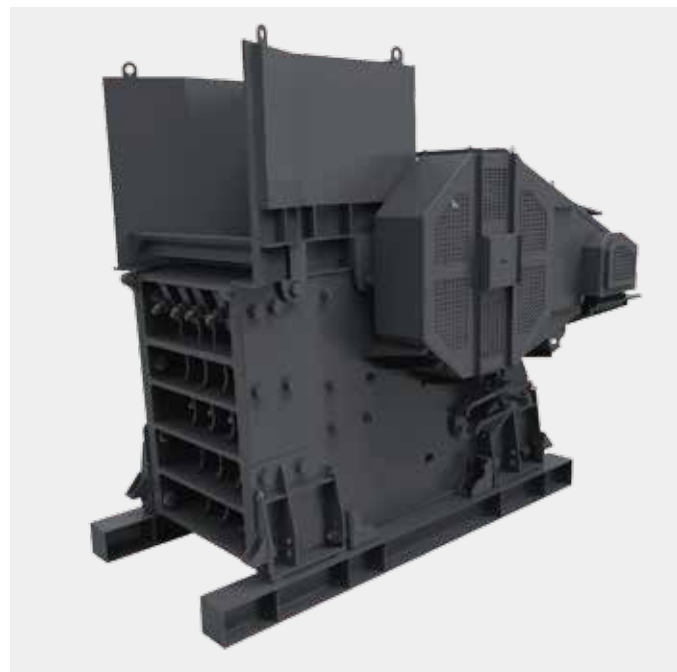
设备提供多种配置供用户选择，除了为用户提供多种颚板形式、国内外顶级品牌轴承和电机供选择，用户还可以根据需求选择皮带轮和飞轮防护罩，以及颚破入料料斗。

The equipment offers a variety of configurations for users, including various jaw plate forms and domestic or foreign top brand bearings and motors as well as belt pulleys, flywheel housing and jaw crusher feed hoppers according to users' demands.

联合国内外顶级品牌供应商 Join hands with top brand suppliers at home and abroad

选用国内外知名品牌配套件，如轴承、电机等，均可根据用户需求选用国内和国外知名品牌产品，品质保障，满足用户对不同配置的需求。

Choose well-known brand accessories at home and abroad, such as bearings and motors, according to users' requirements, so the quality can be more sufficiently guaranteed to meet users' demand for different configurations.



安装快捷 快速投入生产 Fast installation, quick production

固定式或移动式作业灵活切换 Flexible switching between fixed and mobile operations

C6X系列颚式破碎机独特的分离式结构和免地脚安装形式，对设备基础要求更低，而且每个主要零部件都可以拆分开来，除了保证设备在地面固定生产线中稳定运行外，还可以用于移动式生产线以及井下作业，大大扩展了设备的作业范围。

The C6X series jaw crusher has a lower requirement for the equipment foundation by virtue of its unique detachable structure and anchor-free installation and each main component can be detached, so it can not only ensure stable operation of the equipment in ground-fixed production lines, but also be applicable to mobile production lines and borehole operations, which has greatly expanded the operation scope of the equipment.

一体化设计 节约安装空间 Integrated design, smaller installation space

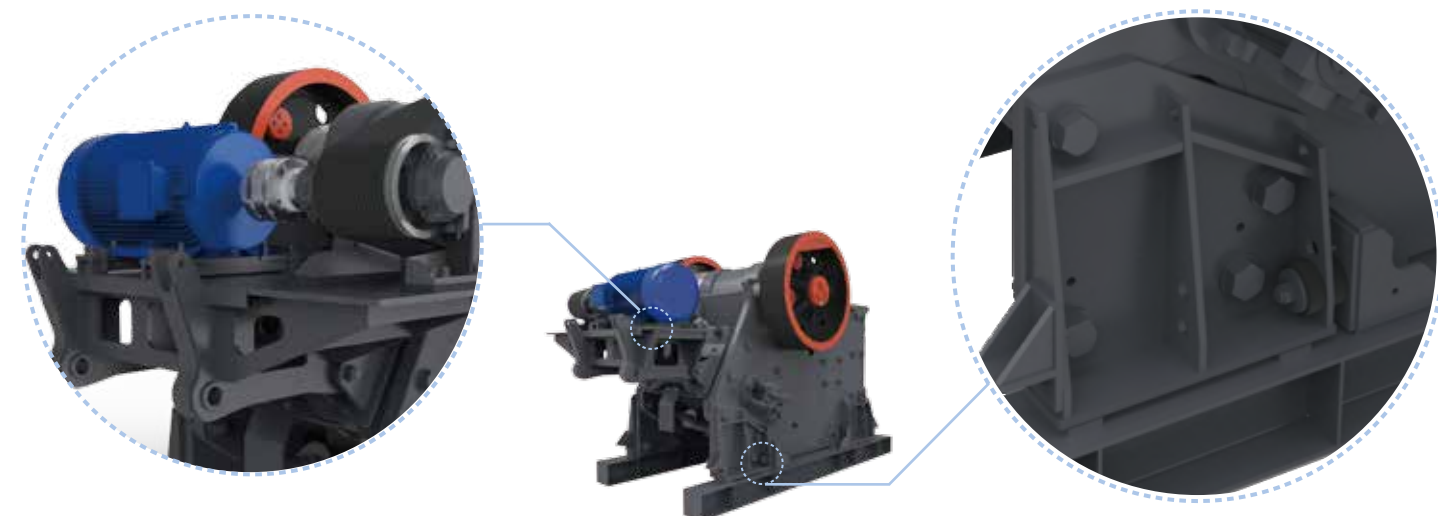
C6X系列颚式破碎机采用一体化的电机座设计，电机座直接固定在破碎机上，无需制作电机基础，减少了安装空间的同时动力传输更加稳定。

The C6X series jaw crusher adopts an integrated motor base design with the base fixed directly on the crusher subject to no base fabrication in advance, which has reduced the installation space and simultaneously achieve more stable power transmission.

弹性减震固定 降低设备冲击力 Elastic damping anchors, able to decrease the equipment impact

采用弹性限位块和橡胶减震装置替代刚性地脚联接，有效的吸收震动峰值载荷，从而降低了破碎机与基础之间的相互冲击，提高破碎机使用寿命。

Elastic stop blocks and rubber shock absorbers are used to replace the rigid anchors, able to effectively absorb the vibration peak load, reduce the mutual impact between the crusher and the foundation, and thus improve the service life of the crusher.



-----易于维护 提高设备作业率-----

Easy maintenance, able to improve
the equipment operation efficiency

C6X系列颚式破碎机适应于恶劣的生产环境，然而再好的设备也需要合理的检修和维护，合理的检修和维护不但可以保证设备的正常运行，还能够增强其工作效率，提高系统生产能力；C6X系列颚式破碎机的设计考虑到了设备在检修和维护的各个细节，旨在减少设备维护停机时间，提高设备作业率，降低用户维护成本。

The C6X series of jaw crusher is suitable for harsh production environment, but any equipment also needs reasonable repair and maintenance no matter how excellent it is and reasonable repair and maintenance can not only ensure the equipment normal operation, but also can enhance the work efficiency and improve the system production capacity; the design of C6X series jaw crusher has considered all details of the equipment in repair and maintenance in order to reduce the downtime due to equipment maintenance, improve the equipment operation efficiency and reduce users' maintenance costs.

迷宫式密封
Labyrinth seal

设备采用油脂集中润滑，可以根据需要配置手动或自动油脂润滑系统，降低维护保养难度，同时最大限度的保证C6X系列颚式破碎机作业现场干净整洁。

The equipment adopts centralized grease lubrication and a manual or automatic grease lubrication system can be configured as needed, which can reduce the difficulty in maintenance and simultaneously guarantee cleanness and neatness at the work site of C6X series jaw crusher to the maximum extent.

灵活的调整方式
Flexible adjustment methods

C6X系列颚式破碎机采用双楔块调整排料口，可以根据需要配备机械或液压方式调整，比传统垫板式排料口调整操作更简单、高效。

The C6X series jaw crusher uses a double-wedge regulating discharge port with the mechanical or hydraulic regulation available as needed, so it can be regulated more simply and efficiently than the traditional under-boarding discharge ports.

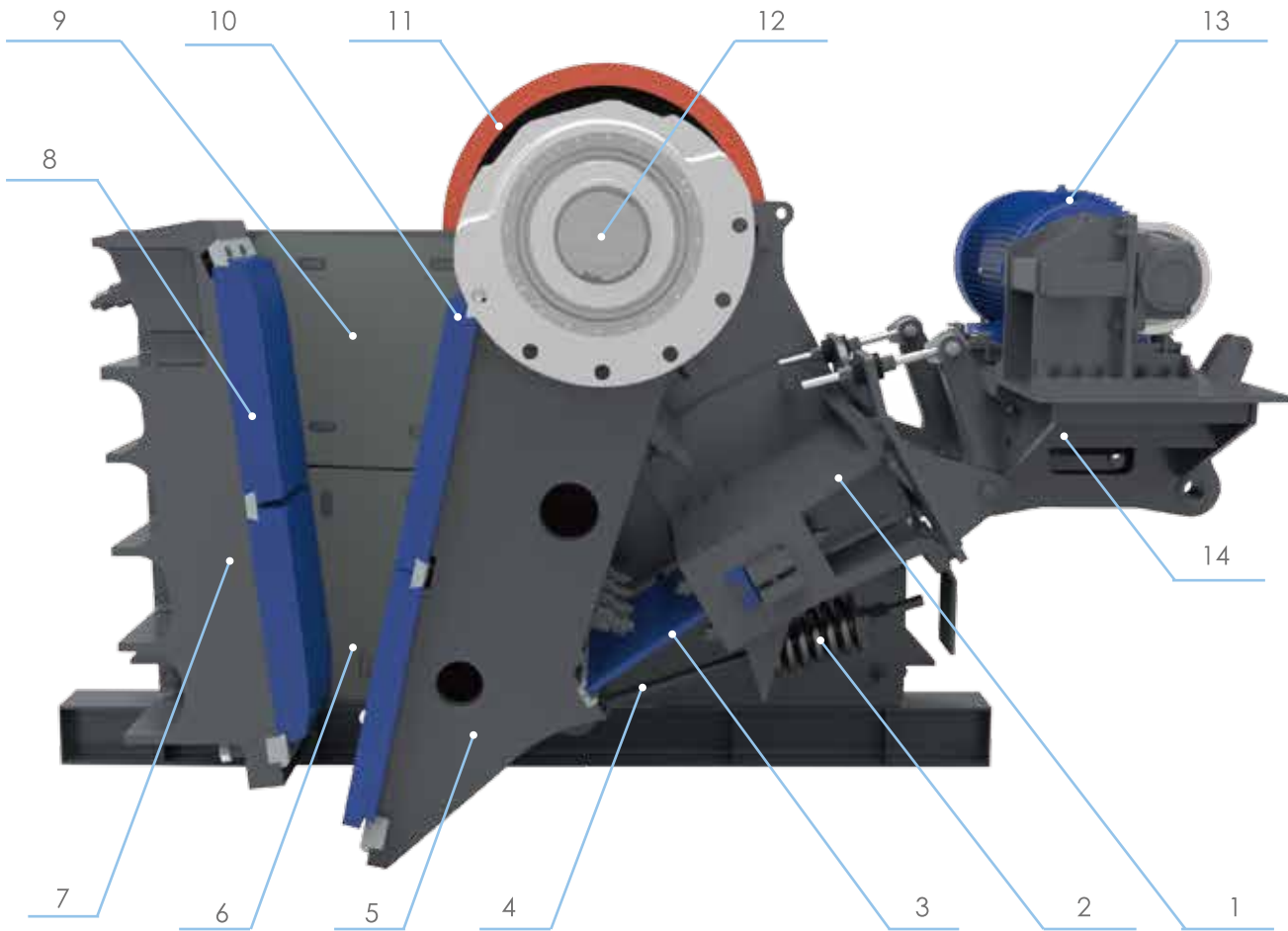


集中润滑
Centralized lubrication

C6X系列颚式破碎机轴承采用迷宫式密封，确保轴承内部润滑油脂清洁，大大提高轴承的使用寿命。

The C6X series jaw crusher has used labyrinth seals for its bearings to ensure cleanness of the lubricating grease inside the bearings and greatly improve the bearing service life.

主要结构:
Detailed structure:



序号 SN	名称 Name	序号 SN	名称 Name
1	调整座; Adjustment Device	8	固定颚板; Fixed Jaw Plate
2	弹簧; Spring	9	上边护板; Upper Lining Plate
3	肘板; Toggle Plate	10	活动颚板; Movable Jaw Plate
4	拉杆; Tension Rod	11	飞轮; Flywheel
5	动颚; Movable Jaw	12	偏心轴; Eccentric Shaft
6	下边护板; Lower Lining Plate	13	电机; Motor
7	机架; Frame	14	电机座; Motor Bracket

技术参数:

Technical Information:

型号	进料尺(mm)	最大进料粒度(mm)	出料口调整范围(mm)	处理能力(t/h)	偏心轴转速(r/min)	电机功率(kw)	外形尺寸(mm)
Model	Feed opening	Maximum feeding size	Range of discharge opening	Capacity	Speed	Power	Overall dimension
C6X80	520×800	420	60-150	80-290	350	75	2650×1540×1780
C6X100	760×1000	630	70-175	130-420	260	110	3700×2440×2520
C6X110	850×1100	720	80-200	160-550	230	160	3800×2450×2550
C6X125	950×1250	800	100-250	230-760	220	160	4100×2750×2780
C6X145	1100×1450	920	125-275	320-950	220	200	4400×3060×3210
C6X160	1200×1600	1020	150-300	410-1150	220	250	5700×3650×3550
C6X200	1500×2000	1200	175-300	610-1510	200	400	6500×3990×4260

处理能力

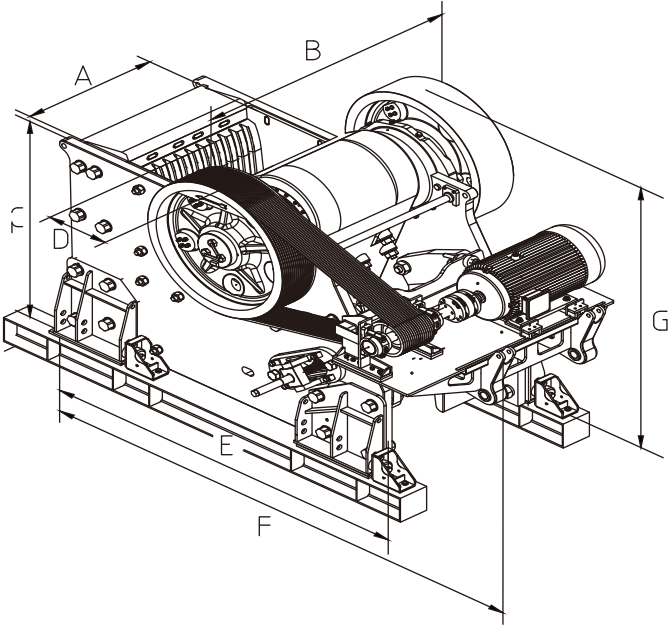
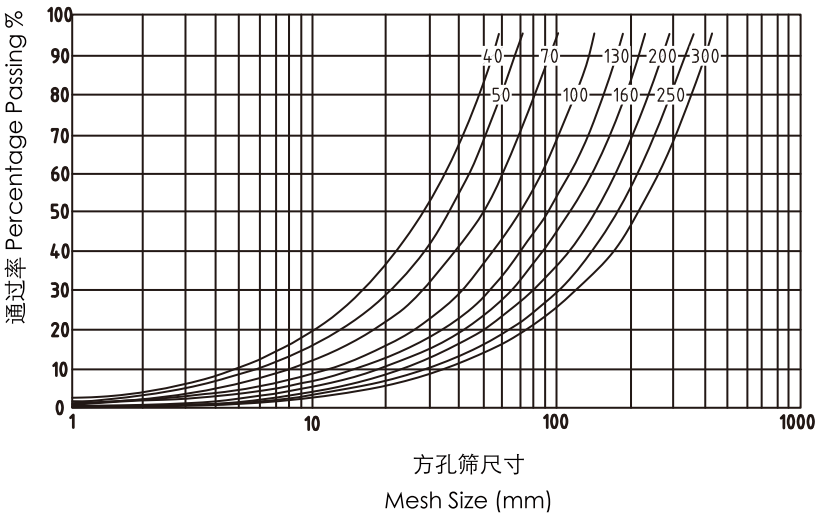
Indicative Capacities (t/h)

型号	排料口尺寸(mm) Dimension of discharge opening (mm)											
	60	70	80	90	100	125	150	175	200	225	250	275 300
C6X80	80-110	100-135	110-150	130-175	145-190	180-245	225-290					
C6X100		130-180	150-200	170-220	190-250	235-310	280-360	330-420				
C6X110			160-240	180-260	200-280	250-360	300-430	340-490	380-550			
C6X125						230-340	280-410	340-480	370-550	420-620	470-690	520-760
C6X145							320-470	375-550	430-630	480-710	540-790	600-870 660-950
C6X160								410-610	470-700	530-790	590-880	650-970 710-1060 780-1150
C6X200									610-890	690-1000	770-1110	850-1220 930-1350 1010-1510

注：处理能力是基于物料的松散密度1.6t/m3，瞬时取样的测定结果。
Capacity is indicative for instantaneous sampling results of materials with bulk density of 1.6t/m3 .

粒度曲线

Indicative
Gradation Curves(t/h)



外形尺寸图

Overall dimensions

型号 Model	C6X80	C6X100	C6X110	C6X125	C6X145	C6X160	C6X200
A	800	1000	1100	1250	1450	1600	2000
B	1490	2380	2330	2750	3060	3650	3990
C	1200	1700	1950	2110	2440	2660	2810
D	530	770	860	960	1110	1210	1510
E	2100	2950	2830	3480	3860	4290	4880
F	2390	3480	3570	3900	4400	5700	6500
G	1550	2290	2550	2780	3210	3550	4260