移动式柴油机锤式破碎机

Mobile Diesel Hammer Crusher Manuel

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一、机器用途 Machine use

本机适用于破碎各种脆性材料的矿物，破碎物料为煤、石膏、明矾、

砖瓦、石灰石等。其料的抗压强度不超过1000公斤力/平方厘米，湿度不大于

2%

This machine is suitable for crushing minerals of various brittle materials. The crushed materials are coal, gypsum, alum,

Bricks, limestone, etc. The compressive strength of the material shall not exceed 1000 kgf/cm2, and the humidity is not more than 2%

1. 锤式破碎机主机规格和性能

Specification and performance of jaw crusher host

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Max feed size (mm) | Discharge size(mm) | Capacity (t/h) | Power (kw) |
| PE 600x400 | ≤120 | ≤15 | 10-25 | 18.5 |

注：破碎机的处理能力受许多因素的影响，诸如给料性质、形状、粒度大小的组成、给料方式、工作条件等。

Note: The processing capacity of the crusher is affected by many factors, such as the nature of the material, the shape, the composition of the particle size, the method of feeding, and the working conditions.

1. 工作原理与结构特征

Working principle and structural characteristics

本机主要移动车架，机架，柴油机机组，三角带护罩，锤式破碎机主机等零部件组成。物料由于转子旋转时所产生的锤头对物料的撞击作用而破碎。

This machine is mainly composed of mobile frame, frame, diesel engine unit, V-belt guard, hammer crusher main host and other parts. The material is broken due to the impact of the hammer on the material when the rotor rotates.

机架分.上盖和下座两部分，内壁装有防护衬板，以防止机架内部磨损，

上机体后侧盖板可以打开，用于更换锤头及检查内部磨损情况。

The frame is divided into two parts: the upper cover and the lower seat. The inner wall is equipped with a protective lining to prevent the internal wear of the frame. The rear cover of the upper body can be opened to replace the hammer and check the internal wear.

转子是由转子轴、园盘、锤轴、锤头等零件组成。转子轴上装有园盘、

盘与盘之间以轴套隔开，盘上装有锤轴、锤头悬挂在锤轴上，当转子轴旋

转时，锤子即随着回转。

The rotor is composed of rotor shaft, disc, hammer shaft, hammer head and other parts. A disc is installed on the rotor shaft, and the disc is separated from the disc by a bushing. The disc is equipped with a hammer shaft, and the hammer head is suspended on the hammer shaft. When the rotor shaft rotates, the hammer rotates with it.

筛条装置在下座内壁两侧的筛长架的槽内。

The screen bars are installed in the grooves of the screen long racks on both sides of the inner wall of the lower seat.

四、开机前的准备:

Preparation before starting

开机前应详细检查主轴承和其它传动部件的油量，应加够润滑油。

Before starting the machine, the oil quantity of the main bearing and other transmission parts should be checked in detail, and enough lubricating oil should be added.

检查各部件的连接螺丝是否有松动断裂现象。

Check whether the connecting screws of each part are loose or broken

检查机体内和各传动部件是否有障碍物。

Check whether there are obstacles in the body and each transmission part.

检查蓄电池是否有电。新蓄电池应进行加注蓄电池液和充电作业。

Check that the battery is charged. The new battery should be filled with battery fluid and charged.

检查柴油机的润滑油及各部是否完好。

Check whether the lubricating oil and all parts of the diesel engine are in good condition.

1. 运转中的检查和操作

Preparation before starting

锤式破碎机必须在无负载下启动。

Hammer crushers must be started with no load.

在破碎机的正常运转中，如遇忽然停机，在未查明原因前，不能强行

启动设备，原因查明后，要把破碎机内物料清理出来以后，才可以

开机。

In the normal operation of the crusher, in case of sudden shutdown, the equipment cannot be forced to start before the cause is identified. After the cause is identified, the material in the crusher must be cleaned up before starting the machine.

注意，破碎机运转中声音是否正常，当出现锤头与篦条敲打，摩擦等

不正常声音时应及时处理。

attention to whether the sound of the crusher is normal. When the hammer head and the grate bar hit, friction, etc.Abnormal sound should be dealt with in time.

严禁运转的设备进行检查。

It is strictly forbidden to inspect the equipment in operation.

在破碎机停机后，还应检查锤头、衬板、出料篦条的磨损情况。

After the crusher is stopped, the wear of the hammer head, lining plate and discharge grate should also be checked.

1. 维护保养

Maintenance

每日检查锤头与锤体的联接，在工作时不允许有松动或丢失现象;

Check the connection between the hammer head and the hammer body every day, and no looseness or loss is allowed during work;

定时检查轴承不允许在高于80°C情况下工作，温度高于80°C时应检修轴承等

部位;

Regularly check the bearing, it is not allowed to work at a temperature higher than 80°C, and the bearing and other parts should be overhauled when the temperature is higher than 80°C;

锤头磨损程度每日检查一次，当严重磨损时，应整套或相对位置成对

更换，保证锤轴运转平衡。

The wear degree of the hammer head should be checked once a day.

Replace it to ensure the balance of the hammer shaft.

运转第一周每天检查窄V带的张紧程度，以后每周检查二次，达不到

要求时，及时调整。

Check the tension of the narrow V-belt every day for the first week of operation, and twice a week after that.Adjust in time when required.

1. 安全使用

safety use

为了确保安全生产，防止设备事故和人身事故的发生，必须遵守安全

工作制度，严格执行操作规则。

In order to ensure safe production and prevent equipment accidents and personal accidents, it is necessary to observe safety

Work system, strictly implement the operating rules.

1、运转中设备突然发生紧急故障，可先停机，查清故障情况。故障未排除

前不能强行开机。

1.In the event of a sudden emergency failure of the equipment during operation, it can be stopped first to find out the failure. It cannot be turned on forcibly until the fault is rectified.

2、进行破碎机处理故障或检修时，必须挂出有检修标志的牌子，否则不得进入机内。检修后试机，必须将盖盖好，拧紧螺丝，检修质量达不到要求者，影响设备安全运装的应提出，不能使用。

When dealing with faults or overhauling the crusher, a sign with an overhaul sign must be hung up, otherwise it is not allowed to enter the machine. When testing the machine after maintenance, the cover must be covered and the screws must be tightened. If the maintenance quality fails to meet the requirements, the safe transportation of the equipment should be put forward and cannot be used.