Operating Instruction

HAMMER CRUSHER

Henan Hongxing Heavy Machinery Co., Ltd.
The Handling Materials of Hammer Crusher:

Hammer crusher is used for crushing medium hard materials with weak abrasiveness, and the compression strength of the materials to be crushed should not exceed 100MPa, and the water content should be lower than 15%. The materials of hammer crusher are coal, salt, chalk, gypsum, tile and limestone and also fiber structure and broken wood and paper with strong elasticity and tenacity.

The Application and Usage of Hammer Crusher:

Hammer crusher, which is also called hammer mill or hammer crusher machine, is widely used for crushing the medium hard and crisp materials in mine, cement, coal, metallurgy, building material, highway and chemical industry.

The Inner Structure of Hammer Crusher:

Hammer crusher is composed of machine box, rotor, hammer, impacting lining board and screen board. According to the requirement of the customers, this equipment can adjust the gap between the grating bars to change the discharging granularity.

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Characteristics:
Processing ability: 5–150 t/h
Inlet size: 1020×750–1850×1400 mm
Feeding size: ≤600–≤1200 mm
Applied material: limestone, granite, cobble, dolomite, bluestone, iron ore, construction waste, glass, etc

Working principle:
The electromotor drives the rotor to rotate with high speed in the crushing chamber. The materials are fed into the machine from the upper feeding mouth and are crushed under the hitting, impacting, cutting and grinding of the hammer which is moving with high speed. On the bottom of the rotor, there is sieve plate and the crushed materials that is smaller than the screen size are discharged from the sieve plate, and the coarse particles bigger than the screen size are retained on the sieve plate to be hit and ground again by the hammer and finally be discharged from the machine from the sieve plate.

Technical data:

<table>
<thead>
<tr>
<th>Specifications (mm)</th>
<th>Feeding Size (mm)</th>
<th>Discharging size (mm)</th>
<th>Capacity (m³/h)</th>
<th>Power (kw)</th>
<th>Total weight (t)</th>
<th>Dimensions (L×W×H) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PcΦ400×300</td>
<td>≤200</td>
<td>≤25</td>
<td>5-10</td>
<td>11</td>
<td>0.8</td>
<td>900×670×860</td>
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<tr>
<td>PcΦ600×400</td>
<td>≤250</td>
<td>≤30</td>
<td>10-22</td>
<td>22</td>
<td>2.26</td>
<td>1200×1050×1200</td>
</tr>
<tr>
<td>PcΦ800×600</td>
<td>≤250</td>
<td>≤35</td>
<td>18-40</td>
<td>55</td>
<td>4.8</td>
<td>1310×1180×1310</td>
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<tr>
<td>PcΦ1000×800</td>
<td>≤350</td>
<td>≤35</td>
<td>25-50</td>
<td>75</td>
<td>5.9</td>
<td>1600×1390×1575</td>
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<tr>
<td>PcΦ1000×1000</td>
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<td>≤35</td>
<td>30-55</td>
<td>90</td>
<td>8</td>
<td>1800×1590×1775</td>
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<td>PcΦ1250×1250</td>
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<td>35-65</td>
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<td>14</td>
<td>2080×1600×1890</td>
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<tr>
<td>PcΦ1400×1400</td>
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<td>≤35</td>
<td>50-100</td>
<td>280</td>
<td>32</td>
<td>2365×1870×2220</td>
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<tr>
<td>PcΦ1600×1600</td>
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<td>≤35</td>
<td>100-150</td>
<td>480</td>
<td>37.5</td>
<td>3050×2850×2800</td>
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</tbody>
</table>

Features:
1. The working hammer adopts new technology for casting, so that it is wear resistant and impact resistant.
2. The granularity can be adjusted according to the requirement of the customers.
3. Hammer crusher has a sealed structure which solves the problems of powder dust pollution in the crushing workshop and ash leakage of the machine.
4. This crusher has the advantages of attractive appearance, compact structure and few easy-wearing parts and convenient maintenance.
Pre-sale services: enthusiasm
We provide you with the prophase plan, process flow design and manufacturer equipment according to your special demand.

Sale services: servant
Send technicians to the jobsite for guiding the installation and adjustment, training operators and finishing the check and accept together with you.

After-sale services: faithfulness
To establish long term friendship, we will regularly pay return visit to customers. Supplying technique, building design, instruction, installation