



河南红星矿山机器有限公司

HENAN HONGXING KUANGSHAN JIQI YOUXIAN GONGSI

Raymond Pulverizer



The machine is used for grinding the barite, limestone, kaolin, cerames, and slags, etc, below scale 9.3 of Mohs hardness and 280-odd sorts of non-inflammable and non-explosive stuff in the trades of mining, metallurgical industrial, chemical engineering and building material for high fine powder generation and processing. The product size is adjustable in the range of 80-325 (600 the largest) meshes. It is possible to product 30-80 mesh coarse powder through special device in the machine.

Working principle:

In the main frame, a 100-1500 kg powered pressure spring is fixed to the roller suspender. After the grinder is put into effect, the roller rotates around the main shaft, and rolls closely against the ring pressed by the high pressure spring and centrifugal force. And its rolling pressure ration is 1.2 times higher than that of the Raymond grinder under the same power condition and the production output is raised to substantial degree.

When a certain degree of wear of roller and ring is affected, it is recommended to adjust the length of the spring to maintain the constant pressure between the roller and the ring. As a result, the stable output and fineness are ensured.



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Type and technical parameter of Raymond pulverizer

Model	3R1410	3R2115	3R2615	3/4R2715	High-strength 83	3/4R3016	4R96/3216	5R/4119
Feeding size(mm)	<15	<15	<20	<20	<20	<20	<25	<25
Discharging size(mm)	0.125-0.044	0.125-0.044	0.125-0.044	0.125-0.044	0.125-0.033	0.125-0.044	0.125-0.044	0.125-0.044
Capability	0.5-8t	1-18t	1.5-2t	2-28t	3-33t	3-40t	3-48t	6-66t
Rotation speed of central shaft(rotation/min)	280	180	160	160	160	160	130	105
Inner Diameter of outwear (mm)	Ø405	Ø630	Ø780	Ø800(830)	Ø830	Ø880	Ø970	Ø1270
Grinding roller diameter(mm)	Ø140	Ø210	Ø260	Ø270	Ø270	Ø300	Ø320	Ø410
Height of Grinding roller and outwear (mm)	100	150	150	150	150	160	160	190



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Mainframe motor (KW)	Y160M-6-7.5	Y200L-8-1-5	Y225S-8-1-8.5	Y225M-8-22	Y225M-8-22	Y225M-8-30	Y225S-4-37	Y280S-4-75
Blower motor (KW)	Y132S-4-5.5	Y132M-4-11	Y160L-4-1-5	Y160L-4-1-5	Y160L-4-1-5	Y180L-4-2-2	Y200M-4-30	Y25M-4-55
Analyzer motor (KW)	Y90L-6-1-1	Y112M-6-2.2	Y112M-6-2-.2	Y112M-6-2.2	Y132M-6-2.2	Y132M-6-2.2	YC1200-4A-5.5	YCT200-4B-7.5

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