

PCG series Drying Hammer Crusher



PCG series Drying Hammer Crusher

Preface: drying hammer crusher includes PCG drying hammer crusher and PCGR drying hammer crusher.

PCGR series Drying Hammer Crusher

Model, specifications	PCGR-2522	PCGR-3026
Rotor diameter mm	2500	3000
Rotor length mm	2250	2600
Productivity t/h (dry powder)	62-80	110
Crushing speed r/min	208	208
Suitable material	Wet processed cement and slurry	
Water content of feeding material %	20	20
Water content of discharging material %	≤1	≤1
Inlet wind temperature of	-580	500-540
Exit wind temperature	-180	-180
Feeding granularity mm	≤100	≤100
Main motor	Model	YR4508-4
	Power kw	450
	Voltage v	10000
	Rotating speed r/min	1480
		YR4504-4
		800
		6000
		1482

Main reduction box	Model	H2SH11(A)	H2SH13(A)
	Speed ratio	7.1	7.1
	Assistant drive	KF108-A100LA4	KF108-A100LA4
Cooling air fan	Model	4-72No.6A	4-72No.6A
	Motor type	Y180L-6	Y180L-6
	Power kw	15×2	15×2
	Flow m/h	8370	8370
	Wind pressure pa	350	350
Weight (kg)		68932	127590

Main applications of PCGR series drying hammer crusher:

PCGR series drying hammer crusher is a new crusher combining drying and crushing technology; it is developed and designed by Chengdu Building Materials Industrial Design & Research Institute of National Building Material Industrial Bureau, based on absorption and assimilation of abroad advanced technology. It is used to process non-abrasion soft materials with high moisture content, suits for wet-method cement factory to dry and scatter filter cake or slurry in the process of wet-grinding and dry-burning . The first PCGR series drying hammer crusher, which is produced by Shanghai construction road & bridge machinery limited company cooperated with Chengdu Design & Research Institute of Building Materials Industry limited company, has been put into use in Guiyang cement factory. This series dry hammer crusher has following main features: 1.main shaft driving is connected with reduction box, to get high driving efficiency.2. Cooling system of main shaft: heat insulation inside cavity and wind cooling outside, assure normal operation of bearing. 3. Adopt heat insulating materials in crushing cavity to assure full heat exchange. This drying hammer crusher suits for slurry of wet processed cement factory.

PCG series Drying Hammer Crusher:

Model, specification	PCG-2817	PCG-2821	PCG-3026	PCG-4225	PCG-4328
Rotor diameter mm	2800	2800	3000	4250	4300
Rotor length mm	1760	2100	2600	2500	2850
Bearing cooling and water volume 1/h	2400×2	2500×2			
Cooling water pressure MPa	0.35	0.35			
Linear velocity of hammer m/s	40	40			
Suitable material	filter cake of wet processed cement factory				
Feeding granularity mm	≤100	≤100	≤100	≤100	≤100
Capacity /h (dry powder)	50-70	65-80	80-110	130-160	180-200

Feeding water content %		≤20	≤25	25-40	≤20	≤20
Inlet wind temperature		520-560	650-750	550-650	530-600	530-600
Exit wind temperature of		160-200	180-200	180-220	160-180	160-180
Water content of discharging material %		≤1-2%	≤1-2%	≤1-2%	≤1-2%	≤1-2%
Motor	Model	YR4501-6	YR4502-6			
	Power kw	400	450			
	Voltage v	6000	6000			
	Rotating speed r/min	985	983			
v-belt	Model	25N9000	25N9500			
	Amount	11	13			
Weight kg		70100	77400	128000	145000	160000

Main applications of PCG series drying hammer crusher:

PCG series drying hammer crusher is a new crusher combining drying and crushing technology; it is developed and designed by Nanijing Cement Industrial Design & Research Institute of National Building Material Industrial Bureau, based on absorption and assimilation of abroad advanced technology. It is used to process non-abrasion soft materials with high moisture content, suits for wet processed cement factory to dry and scatter filter cake or slurry in the process of wet-grinding and dry-burning. The first drying hammer crusher, which is produced by Shanghai construction road & bridge machinery limited company cooperating with Nanijing Cement Industrial Design & Research Institute, has been used in precalciner kiln production line of Zhejiang Jiangshan Cement Co.,Ltd and up to standards at present. PCG series drying hammer crusher's main features are: 1. main shaft is driven by belt pulley which can store energy, to save energy and reduce power consumption. Besides, it can protect equipment when some false objects such as iron entered crushing cavity. 2. Water circulation cooling system, make rotor fully cooled to assure long time using of bearing. 3. heat and abrasion proof material as scale boards in crushing cavity, which can prolong useful time of machine. This PCG series drying hammer crusher suits for filter cake of wet processed cement factory.