

Wet Grid Ball Mill

Principle

The main component is a cylinder with diameter and length at a reasonable proportion. Driven by the transmission device, the cylinder rotates with the materials fed from the cylinder inlet and crushed by the falling impacts and autogenous grinding of the steel balls and ores in the cylinder. Due to the continuously feeding materials, the pressure pushes materials to the outlet and the grinded materials are discharged from the cylinder outlet. Qualified materials flow from the cylinder outlet. In wet grinding, the materials are taken out by the water flow.



Features

Jack system with easy maintenance.

Hydrostatic and hydrodynamic bearings, steady and reliable operation.

Low speed transmission with easy starting and maintenance.

Oil-mist lubrication device guarantees reliable performance of bearings.

Gas clutch adopts flexible start-up model.

Application

Generally used for grinding coarser ores.

Technical Parameters

Model	Cylinder Diameter (mm)	Cylinder Length (mm)	Motor Model	Motor Power (kW)	Length (mm)	Width (mm)	Height (mm)	Effective Volume (m ³)	Max. Ball Load (t)	Weight (kg)
MQG0909	900	900	Y225S-8	18.5	4750	2213	2050	0.45	0.96	4620
MQG0918	900	1800	Y225M-8	22	5000	2280	2050	0.9	1.92	5340
MQG1212	1200	1200	Y225M-8	22	5788	2994	2540	1.14	2.4	11438
MQG1224	1200	2400	Y315S-8	55	6673	2994	2540	2.28	3.96	13200
MQG1515	1500	1500	JR115-8	60	6094	3300	2766	2.5	5	13700
MQG1530	1500	3000	JR125-8	95	7979	3300	2766	5	10	18690
MQG2122	2100	2200	JR128-8	155	7750	4839	3794	6.6	15	45400
MQG2130	2100	3000	JR137-8	210	8744	4394.7	3110	9	20	45790
MQG2430	2400	3000	JR1410-8	280	9728	4956	4018	12.1	22.5	67000
MQG2721	2700	2100	JR1410-8	280	9300	5500	4500	10.7	24	63000
MQG2727	2700	2700	JR148-8	310	9900	5500	4500	13.8	29	68530
MQG2736	2700	3600	TDMK400-32/2150	400	9765	5826.6	4674.5	18.4	41	98020
MQG3231	3200	3100	TDMK630-36	630	12750	6750	5152.5	22.5	45	115103
MQG3236	3200	3600	TDMK630-36	630	14300	6760	5200	24.8	58	119012
MQG3245	3200	4500	TDMK800-36	800	13896	7200	5152.5	32.8	65	137589
MQG3639	3600	3900	TDMK1000-36/3600	1000	15000	7200	6300	36.2	75	145000
MQG3645	3600	4500	TDMK1250-40	1250	15200	7750	6300	41.8	90	159700
MQG3650	3600	5000	TDMK1400-40	1400	17600	7750	6300	46.4	96	158000
MQG3660	3600	6000	TDMK1600-40	1600	17000	8800	6500	55.7	120	189000
MQG4060	4000	6000	TDMK1700-30	1700	17400	9500	7600	69.8	137	214000
MQG4560	4500	6000	TDMK2300-30	2300	17800	10500	7600	87	158	294000

Note: The jack system and static and dynamic pressure bearing should be equipped according to the requirements of the users. As for those with the specification of over $\phi 2.7\text{m}$, the weight of the motor is excluded.