

▶ Wet Overflow 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.



Features

- Jack-up device 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 in the grinding of ores with finer fineness.

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)
MQY0918	900	1800	Y225M-8	22	5080	2300	2015	0.9	1.66	6078
MQY1212	1200	1200	Y225S-8	18.5	5788	2994	2540	1.14	2.4	11473
MQY1224	1200	2400	YR280S-8	55	6112	2794	2540	2.28	3.8	12308
MQY1515	1500	1500	JR115-8	60	5766	2945	2600	2.2	6.4	15424
MQY1530	1500	3000	JR125-8	95	7979	2945	2600	5	10	18690
MQY2122	2100	2200	JR128-8	155	8070	4840	3795	6.6	14	47800
MQY2130	2100	3000	JR137-8	210	8870	4840	3795	9	20	47220
MQY2136	2100	3600	JR137-8	210	9300	4840	3795	10.8	22	52010
MQY2145	2100	4500	JR148-6	310	11029	4738.6	3300	13.5	23.8	58305
MQY2430	2400	3000	JR1410-8	280	9710	4778	4120	12.1	23	65880
MQY2721	2700	2100	JR1410-8	280	9400	5600	4700	10.7	24	63900
MQY2736	2700	3600	TDMK400-32	400	13049	5800	4680	17.8	32	96570
MQY2740	2700	4000	TDMK400-32	400	11850	5667	4496	20.4	40	78800
MQY3231	3200	3100	TDMK630-36	630	12750	6760	5150	21.4	45	107660
MQY3245	3200	4500	TDMK630-36	630	14356	7200	5152.5	32.8	65	130283
MQY3254	3200	5400	TM1000-36/2600	1000	15800	6760	5200	37.2	73	121000
MQY3645	3600	4500	TM1000-36/2600	1000	15000	7200	6326	41.8	76	135000
MQY3650	3600	5000	TM1250-40/3250	1250	17157	7755	6326	46.4	86	145000
MQY3660	3600	6000	TM1250-40/3250	1250	19000	7755	6326	55.7	102	154000
MQY3690	3600	9000	TDMK1800-30	1800	28000	4600	5600	83	163	212000
MQY3867	3800	6700	TDMK1600-30	1600	19000	8200	7100	70	130	186000
MQY4067	4000	6700	TDMK1800-30	1800	15600	9600	7300	78	138	207000
MQY4561	4500	6100	TDMK2200-30	2200	18200	10500	7600	93	151	238000

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.