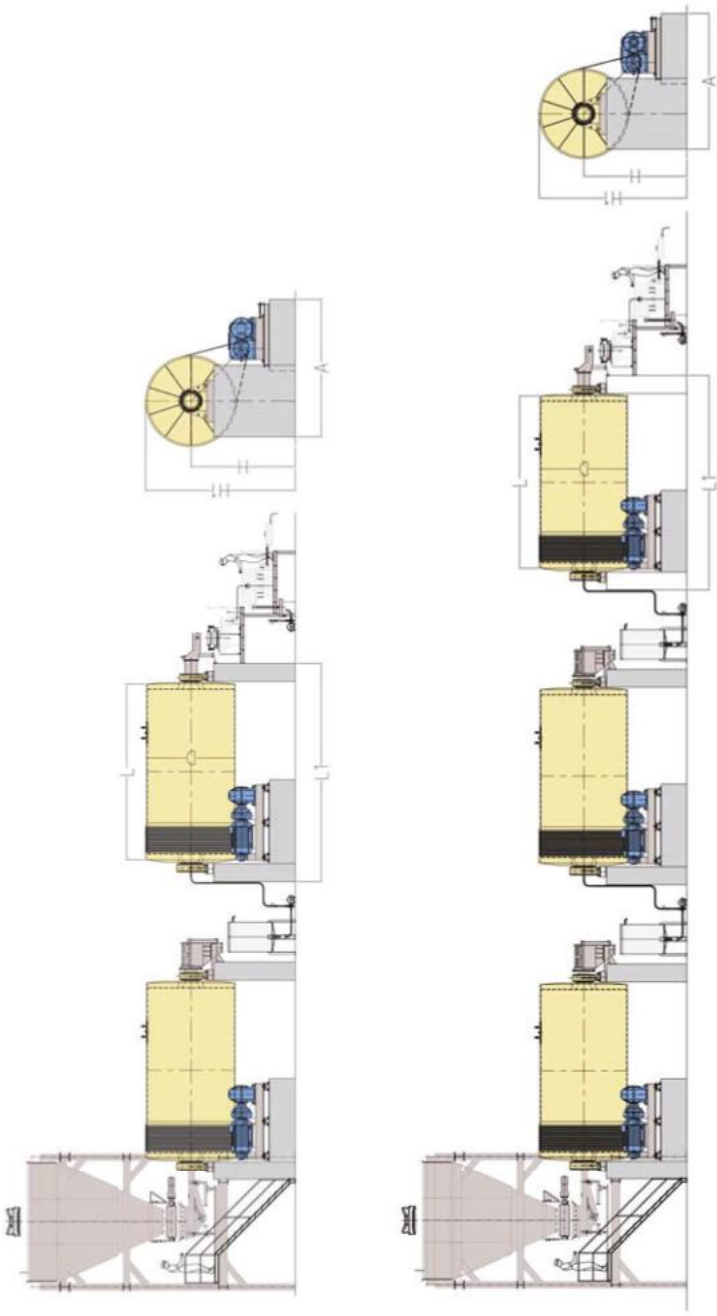


INLINE CONTINUOUS MILLS SIRALI KONTINU DEĞİRMENLER



Type	# Mill	Total Volume (m ³)	Power Installed (kW)	Mill Speed (r.p.m.)	D	L	L1	H	H1	A
KMD76	2	76.000	2 x 250	9 - 13	2.960	6.100	7.400	3.500	4.980	4.600
KMD94	2	94.000	2 x 315	9 - 13	3.340	6.100	7.400	3.800	5.280	4.900
KMD114	3	114.000	3 x 250	9 - 13	2.960	6.100	7.400	3.500	4.980	4.600
KMD122	2	122.000	2 x 400	8 - 12	3.550	7.100	8.500	4.200	5.680	5.400
KMD141	3	141.000	3 x 315	9 - 13	3.340	6.100	7.400	3.800	4.280	4.900
KMD183	3	183.000	3 x 400	8 - 12	3.550	7.100	8.500	4.200	5.680	5.400



REMAS

REDÜKTÖR ve MAKİNA SANAYİİ ANONİM ŞİRKETİ

TECHNICAL DESCRIPTION FOR CYLINDRICAL BALL MILL Continuous Modular Mill



Descriptions:

Mill Body

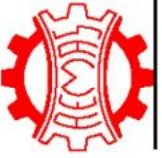
General

The mill body is formed of a cylindrical mill shell to be joined to the mill heads by bolts. The mill head is made with integrated trunnion for the bearing housing.

V-belts operation area on the mill drum are reinforced by double layers of steel sheet and machined on the surface to minimize the run out.

The mill body is sandblasted and then painted with two layer final paint.





REMAS

REDÜKTÖR ve MAKİNA SANAYİİ ANONİM ŞİRKETİ

Mill shell

Technical description:

Mill shell is designed with man hole. Mill shell in area of flange completely mechanically machined and bored to be bolted together with the mill heads.

Before final machining the mill shell will be stress relieved as one piece by heat treatment.

Material:

Mild steel for shell plate S235JR2

Drive Unit

Main electrical motor:.

3ph , Squirrel cage , Asynchronous Motor of European Origin. 250 kW

Elastic coupling:

It is used a elastic coupling between electrical motor and main gearbox.

Main gearbox:

Main gearbox is manufactured by Remas. Gears are made of DIN 17CrNiMo6 quality cementation steel and after heat treatment, profile of the gears are grinded.

Main gearbox output elastic coupling:

Elastic coupling, which is manufactured by Remas, is used on output shaft of main gearbox for the torque transfer.

Pulley system:

V belts of European Origin

Cast iron pulley

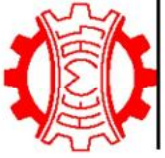
Pulley axle is made of SAE 1050 or SAE 1040 steel

Double row self aligning ball bearings.

Cast iron ball bearing housing.

Chassis for drive unit:

It is made of steel profiles and all drive parts are placed on.



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Mill support (roller bearing)

General

The mill is supported by two grease lubricated self aligning roller bearings with bearing housing. The bearing housing are assembled on base frames.

Main bearing

Technical description:

Main bearing, designed as a roller bearing. This self aligning roller bearing is foreseen to be lubricated by a central grease lubrication unit. The bearing is mounted on the trunnion of the mill head and kept in position by a pressure ring.

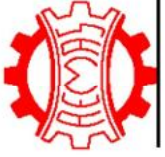
The bearing housings are made in welded design of mild steel. The outlet bearing is designed for a floating bearing and the inlet bearing house for fixed bearing. Both housing are machined for covering the bearing and sealing surfaces as well the contact surface to the base frame.

The bearing housing are equipped with special grease lubricated double lip shaft seals to prevent entering ambient dust. At the bearing housing a grease metering is mounted to provide the grease distribution to the seals and to the bearing.

Main Bearing Frames

Technical description:

The main bearings are assembled on base frames, which is designed in welded steel construction and mechanically machined on the upper side. The base frames are equipped with adjusting and leveling spindles for easy alignment.



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Protection devices

General

All rotating parts (except mill body) like gear couplings will be covered by safety covers to prevent touching.

Coupling protection devices

Technical description:

Coupling protection devices made of rolled-up steel sheets.

Exclusions

- Raw material feeding system
- Steel construction and supports
- Water supply
- Final product transportation
- Compressed air supply
- All civil work
- Erection and start-up
- All erection and assembly work
- Cable and cable trays
- Lubricants and consumables
- Inverter Control panels

Engineering

Remas will prepare and deliver to the customer the following lists of drawings.

For continuous mill only:

- General lay-out drawing
- Outline drawings of foundations
- Anchor bolts location and details
- Electric project