



**HLW-1A**



### Application

The roller mills type HLW-1A and HLW-2A are intended for intensive milling of grain like wheat, rye, maize etc. as well as other products of vegetable and mineral origin.

### Operation

Product to be broken up flows through the charging hopper and is distributed along the whole length of the feeding slot. Feeding roll takes the product and passes it to the milling slot of the first stage. The product flow depends on the speed of the feeding roll and setting of milling slot. The fineness depends on the setting of the milling slot. Then the product falls to the milling slot of second milling section (roller mill HLW-2A) and finally to the outlet hopper.

Switching on and off the feeding roll as well as engaging/disengaging the milling rolls occurs automatically when right quantity of product is in inlet hopper.



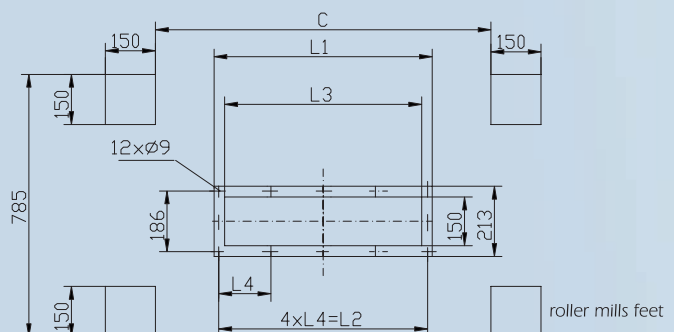
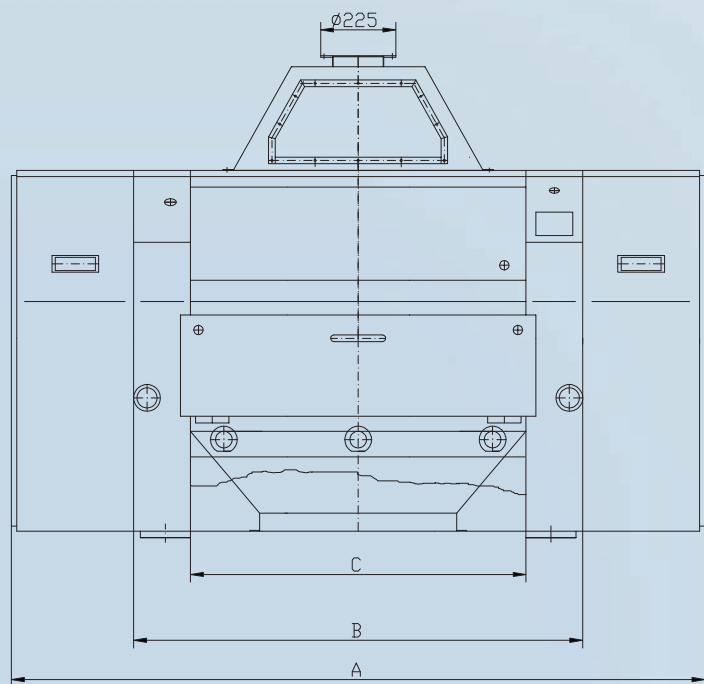
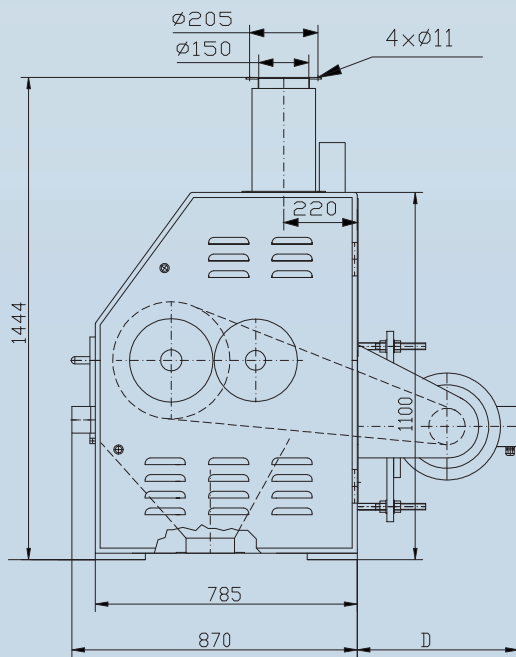
**HLW-2A**



# ROLLER MILL HLW-1A

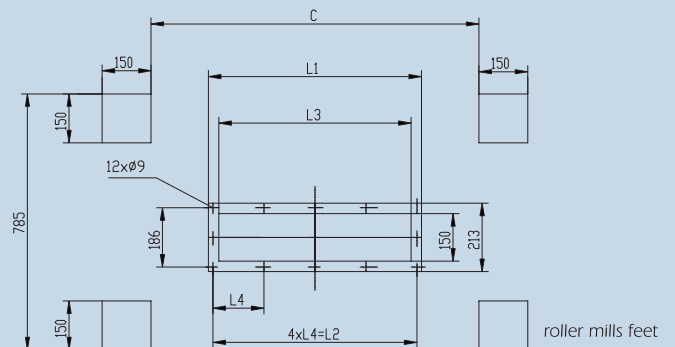
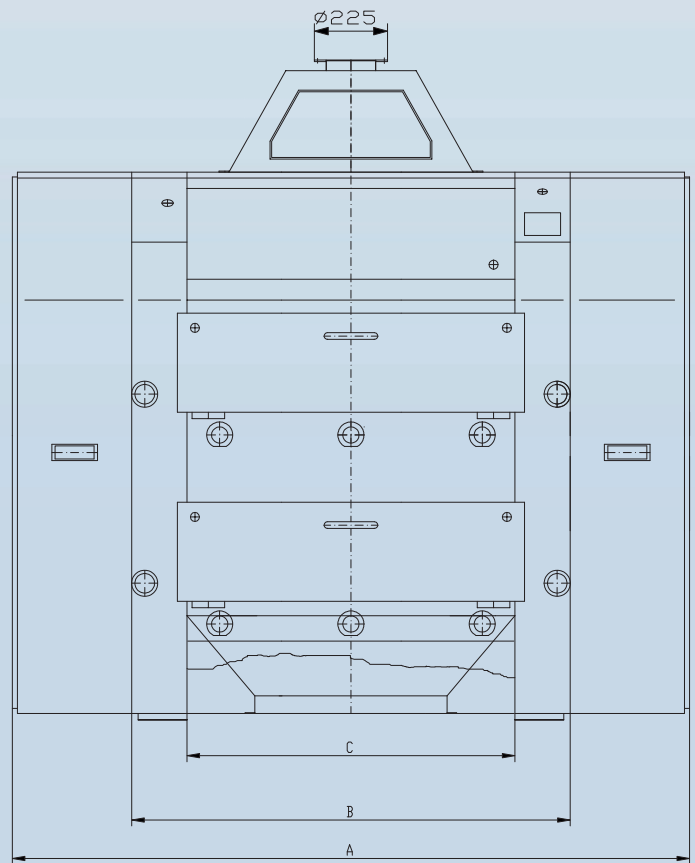
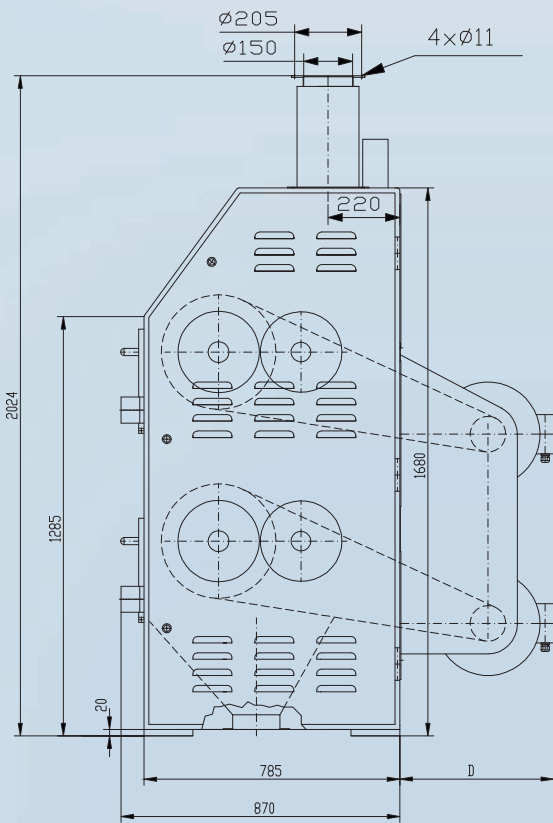


Roll length	Motor	Dimension [mm]								Weight [kg] (without motors)
		A	B	C	D	L1	L2	L3	L4	
850	Built in	1831	1195	855	480	503	476	440	119	1410
	Without				—					
1000	Built in	1981	1345	1005	480	653	626	590	156,5	1530
	Without				—					





Roll length	Motor	Dimension [mm]								Weight [kg] (without motors)
		A	B	C	D	L1	L2	L3	L4	
850	Built in	1635	1195	855	480	503	476	440	119	2500
	Without	1931			—					
1000	Built in	1785	1345	1005	480	653	626	590	156,5	2720
	Without	2081			—					



# ROLLER MILL HLW-2A

roller mills feet



## Construction

Basic elements of the roller mill are:

- welded steel body with inlet opening and outlet hopper
- unit of feeding roll with drive by means of moto-reducer

After applying inverter it is possible to regulate (during operation) roll's revolutions and, as a result, change the quantity of product which passes to the milling slot.

The settings of feeding slot and the quantity of product which flows into the milling slot can be also regulated by means of a hand-wheel, which is placed outside the body of the roller mill.

- set of milling rolls with precise setting of milling slot by means of a hand-wheel.

If necessary it is also possible to separate the rolls using additional hand-wheels placed outside the roller mill.

- inter-roll gear transmissions with pulleys & gears installed on ring-fedder type locking devices which facilitate assembly and disassembly
- inspection door
- sight glasses
- side covers
- motors
- automation assembly

For protection of the personnel the door, the windows and the side cover are equipped with locks. Roller mill is equipped with samplers allow to take samples of product (during operation).

## Technical data

- Milling rolls (length)	850 mm	1000 mm
- Milling rolls (diameter)	250 mm	
- Rotation of the fast roll (upper and lower in HLW - 2A roller mill)	320÷720 rpm	
- Inter roll transmission	1:1, 1:1,25, 1:8, 1:2,5, 1:3	
- Max capacity (depending on required granulation)	10,0 t/h	12,0 t/h
- Max. installed power (for one section)	Built in motor	22,0 kW
	Independent motor	45,0 kW
- Rotation of feeding roll (nominal f=50Hz)	70 rpm	
- Power of moto - reducer	0,55 kW	
- Electric power supply	Drive motors	3x400V;(3x380V); 50Hz
	Control system	1x230V; 50Hz (power ~ 0,6kW)
- Compressed air supply	Air flow	1 m <sup>3</sup> /h
	Air pressure	0,6 MPa (6 atm)
- Noise level	85 dB (A)	