



Malt mill 500 kg/h "Polo"

SAFETY

The grain-crusher must be connected up to the mains according to T.A.B. by a qualified electrician of the electricity supplier responsible.

Care must be taken in so doing to rotate in the correct direction. If rotated in the wrong direction, there will be a risk of injury if the technician reaches inside the output runner.

Apart from that, the machine will fail to crush.

The machine may be started up and operated only when all protective fixtures are in place and closed in position (e.g. V-belt shield, protection grids over the input and output runners, cleaning aperture).

The machine must be disconnected from the mains in the event of a power failure, also for cleaning and maintenance work.

This is of particular importance in the case of machines that start up automatically using idling detectors or time-switches.

INSTALLATION

If the grain-crusher is being mounted on a floor column, it must be hung up on the hook mountings of the column and secured in place with bolts.

The floor column itself is to be securely anchored to the floor.

If the grain-crusher is being wall-mounted using a wall console, the wall must meet the requirement for static, stable conditions. The wall console must be secured in position using fully-penetrating bolts or threaded rods, of not less than 12mm.

Regardless of the installation method used, the grain tub which will sometimes be in position over the grain-crusher must be mounted independently; in other words, it must not impose an extra burden on the machine itself.

When installing the food tub provided, the grain-crusher may be placed on its output carriers, but it must be secured against possible slipping or tipping over.



OPERATION

Observe all safety regulations!

Close all protective fittings and the cleaning aperture!

The start-up procedure is as follows:

1. Close the regulator valve at the input runner
2. Pour grain into the input funnel
3. Adjust the crush gap to the required setting
4. Start up the electric motor
5. Slowly open up the input volume-regulator valve.

If there are different grain types to be crushed in sequence, the setting must be adjusted to suit the type of grain that trickles down most readily.

(Sequence: wheat, barley, oats).

When starting up, there must be no grain present between the crusher rollers: otherwise, the eccentric must be opened up with the input valve closed, and the motor then briefly turned over.

Warning! The crusher rollers must not meet and run against one another in operation.

MAINTENANCE & OVERHAULING

Disconnect the grain-crusher from the mains!

The bearings are permanently lubricated and therefore require no maintenance.

A little grease on the eccentrics will improve operation.

Check the V-belts and if necessary adjust tension.

Clean the magnet periodically.

No grit or other non-magnetic foreign matter must be present between the rollers. Remove any such items without delay – they can reduce the working life of the rollers.

The entire machine is designed and built so that it can be dismantled and reassembled by anyone without using any special tools.

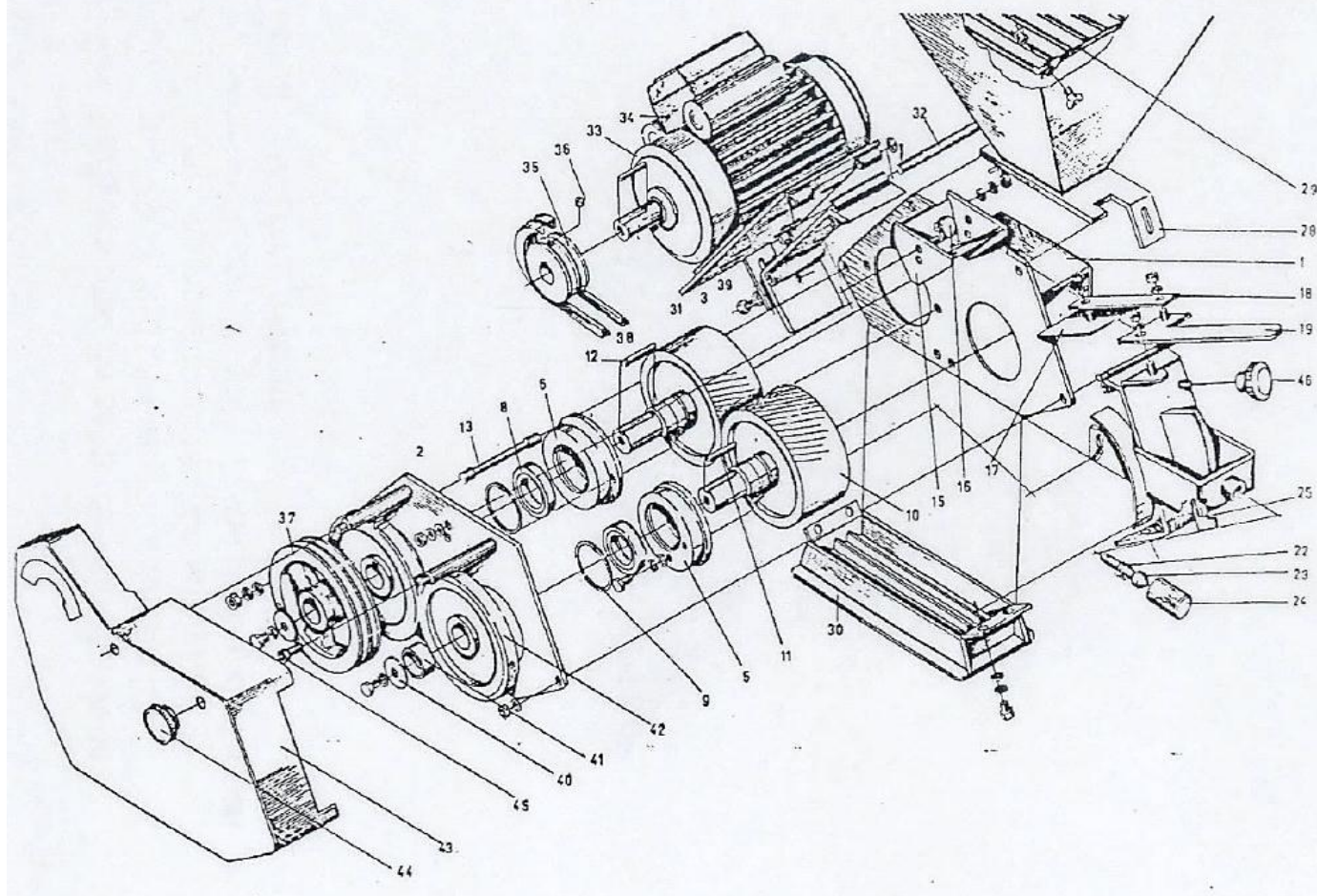
<u>CERTIFICATE OF CONFORMITY</u>

We declare this apparatus, as it is delivered by us, conform the CE safety instructions for machinery.

Machinery directive DIN E 292, EMV directive 336-89, EN 55014, EN 55104, EN 61000-3-2, EN 61000-3-3



TECHNICAL DRAWING & PARTS LIST



- | | | |
|---|---|--|
| 1 back partition with hook mountings | 16 pot-shaped magnet | 32 hinge bolt |
| 2 front partition | 17 input regulator valve | 33 motor |
| 3 side partition left | 18 spade rod | 34 switch |
| 4 side partition right | 19 entrance regulating lever | 35, 37 V-belt disc |
| 5 bearing housing eccentric | 20 opening brake | 36 small screw |
| 6 bearing housing concentric | 21 eccentric adjusting handle | 38 V-belt XPZ 670LP |
| 8 bearing 6308 2RS P6 | 22 spring for fixing cylinder | 39 Fixing screw V-belt |
| 9 inner ring for the bearing 90 x 3 DIN472 | 23 fixing cylinder | 40 Axial safety spacer with screw 10 x 30 DIN7991 |
| 10 crusher roller | 24 bolt for eccentric adjusting handle | 41 spacing tube |
| 11 wedge | 25 eccentric stop | 42 double drive |
| 12 wedge | 26 closing lid | 43 belt guard |
| 13 screws for housing 12 x 30 DIN7984 | 27 cleaning opening | 44 bolt |
| 14 spacing tube | 28 funnel | 45 socket screw 10 x 30 DIN7994 |
| 15 entrance channel | 29 protective grid | |
| | 30 exit frame | |
| | 31 motor plate | |

Brouwland

Korspelsesteenweg 86 • B-3581 Beverlo - Belgium
 Tel. +32-(0)11-40.14.08 • Fax. +32-(0)11-34.73.59
 sales@brouwland.com • www.brouwland.com