

# HIPPO 1

## MH 1 - HAMMER MILL

Unique design construction built to last for industrial and farm use for processing cereal grains as well as for recycling.

### AUTO REGULATED DIRECT INTAKE

The design of the HIPPO Hammer mill is unique in that there are not free swinging chopping knives, as the material is being fed directly onto the tips of the rotating hammers in the direction in which the hammers are rotating. The inlet of the mill is automatically regulated, using a spring loaded lever, which reacts immediately to overfeeding situations - based on the air flow through the mill - making overfeeding the mill a rare occurrence. The milled material is transported from the bottom of the mill housing by a separate four bladed cast iron fan mounted on the same shaft as the rotor and the product is then discharged from the cyclone. The cyclone is fitted with 4 x dust filter bags for the air overflow, making milling with a Hippo Mill very nearly dust free. A wide range of screen is available, from 25 mm down to 0,6 mm aperture.

### LONG LIFETIME

HIPPO Hammer Mills are constructed from cast iron parts, and plate steel, which are bolted together, which gives the mill an exceptionally long life span, and makes replacing of parts easy and quick. All the milling tips are manufactured from Bennox steel to ensure long lifetime of the wear parts.



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#### SPECIFICATIONS

Power required	7.5 - 9 KW 3 Phase 380 V Electric   2 pole footmount   2800RPM
Capacity 0.8 mm screen (dry maize), kg/hr	250
Capacity 1.6 mm screen (dry maize), kg/hr	500
Capacity 8 mm screen (dry maize), kg/hr	11000
Length, mm	2364
Width, mm	1225
Height, mm	2167
Net weight, kg	225
Rotor diameter, mm	315
Number of beaters	6
Number of tips	24
Tip speed, m/s	74
Rotor RPM	4500

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