

HAMMER MILL - LARGE CHAMBER MILL - **TYPE GDL**

# POWER PACKAGE – SCREENS CAN BE CHANGED WHILE MACHINE IS IDLE RUNNING

The mill type GDL is designed for grinding of dry and free flowing products as well as for fat containing or high protein products, and also for high fibers.

The GD series comprises of three sizes and a range between 132 and 450 kW for the drive.



## TECHNICAL DETAILS

- Symmetric housing, allows operation in both directions
- Swiveling inlet flap with proximity switches to change sense of rotation
- Enforced impact plates at both sides of the mill inlet, exchangeable
- Foreign body trap inside the grinding chamber, easy to clean
- Special rotor design, run down time less than 6 minutes without brake
- Six sieves fitted in frames, exchange single elements when worn
- Change screens while machine is idle running
- Automatic door locking system with stand still monitor

		GDL 12	GDL 20	GDL 25
<b>Mill size</b>				
Diameter of grinding chamber	mm	1200	1200	1200
Width of screen	mm	640	1000	1250
Grinding chamber	m <sup>2</sup>	1,85	2,80	3,60
<b>Drive 1500 rpm, 50Hz</b> – (speed between 900 and 1800 rpm (30 – 60 Hz) allowed)				
Maximum motor size	kW	250	355	450
Typical motor size	kW	160	315	400
<b>Dimensions and Weights</b>				
Length (a)*	approx. mm	2630	3050	3300
Width	approx. mm	1600	1600	1600
Height	approx. mm	1600	1600	1600
Weight without motor	kg	1950	2450	2900

\*depending on motor size

(a) plus maintenance area for screen change on front side of mill

Measuring surface sound pressure level < 88 dB(A) (at load conditions)

**STANDARD SUPPLY AND OPTIONS****STANDARD SCOPE OF SUPPLY:**

- Rigid motor base frame
- Flexible coupling with protection hood
- Vibration dampers
- Sealing for mill outlet
- 1 set of beaters fitted on beater frames
- 2 sets of screens, fitted on screen frames
- 1 set of special tools
- Multi-layer coating, choice of color RAL 7032 (pebble grey) or RAL 1015 (ivory)
- Beater frame changing device (not for GD8)

**OPTIONS:**

- Drive motor B3 with integrated PTC sensors
- Bearing temperature control system according ATEX regulations
- Mill temperature control system according ATEX regulations
- Pneumatic servo drive for mill inlet flap (for remote control of changing of sense of rotation)
- Underpressure controller for grinding chamber (vacuum controller)
- Explosion protection: Explosion pressure shock resistant and flame penetration proof design to meet ATEX regulations