The Prater Air Classifying Mill (CLM) offers the combination of two-stage closed circuit grinding with internal air classification. The unique capabilities of the CLM Mill outperform single-pass mills when handling difficult to grind products and those products requiring a narrow particle distribution. The large access door on these mills allows for quick inspection and/or cleaning of the main rotor as well as the classifier rotor.

There are three stages taken when processing material through a Prater Air Classifying Mill. The initial grinding stage is similar to what is accomplished in the M Series Mills; however, a secondary inlet provides additional air for the second stage internal air classifier. This additional air also adds an element of cooling to the material being processed. Oversized particles that are larger than specified are rejected by the classifier and are directed to the third stage, which is a separate part of the grinding rotor. This recycled material is ground again, then redirected to the classifier, allowing only properly sized product to exit the mill.

All Prater Air Classifying Mills come with an automatic door interlock. This device prevents access to mill internals during operation.

**TYPICAL PRODUCTS**
- Soya Protein
- Cornstarch
- Dextrose
- Sugar
- Pigment
- Gypsum
- Flour
- Gelatin
- Limestone
- Urea
- Soy
- Whole Grain

**FEATURES**
- Standard safety devices
- Replaceable grinding blades
- Grinding jaws
- Controlled particle distribution
- Simple maintenance
- Reversible rotor
- Sanitary construction available
### GENERAL DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>HP MILL</th>
<th>HP CLASSIFIER</th>
<th>NOMINAL AIRFLOW CFM</th>
<th>A in mm</th>
<th>B in mm</th>
<th>C in mm</th>
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<tbody>
<tr>
<td>CLM-18</td>
<td>3</td>
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<td>11 279</td>
<td>21 533</td>
<td>12.875 310</td>
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<td>35.875 911</td>
<td>28.375 721</td>
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<td>6000</td>
<td>53.5 1359</td>
<td>78.5 1994</td>
<td>72.5 1842</td>
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</tbody>
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* Do not use for engineering purposes. Please request a certified drawing for all layout or construction uses.