Optional staggered rotor expands machine versatility and allows optimized processing of engineered polymers and difficult product forms.

The standard 3-knife open, scooped wing rotor provides application flexibility.

High-capacity vacuum bins to suit customer’s extraction equipment with optional high-level sensor and alarm.

Optional sound enclosure for 75 to 80 dBA operating noise levels.

Unmatched Versatility and Precision Low Speed Granulation

Providing efficient and versatile granulation for a variety of applications, the 65 Series can be used with robot feed, conveyor feed, or hand feed operations. 65 Series granulators provide maximum cutting efficiency with their low speed, 3-knife open rotor design. With cutting knives manufactured from D2 HCHC and heat-treated with Cumberland’s proprietary process, the 65 Series handles virtually all types of molded plastics scrap.
65 Series Beside-the-Press Granulators

Standard Features

- Multi-feed hopper suitable for manual, conveyor or robot loading. Top section is reversible for easier feeding of long runners
- Innovative flap assembly specifically designed to be removed quickly and easily
- Bolted and doweled cutting chamber assembly with outboard, sealed-for-life bearings
- Three-knife, open rotor with scooped wings and slant-cut knives
- Counter-slanted stationary knives provide true “scissor” cutting action
- All knives manufactured from D2 HCHC and heat treated using Cumberland’s proprietary process
- Rotating end discs for low heat granulation and reduced friction wear
- High-inertia flywheel with automatic drive belt tensioning
- TEFC motor and NEMA Type 12 enclosure
- Safety interlocks, push buttons, safety labels and monitoring device
- 3 HP belt drive

Available Options

Motor:
- 5 HP

Rotor and Cutting Chamber:
- Staggered-knife, open rotor with wedge-held “cassette” knives
- Wear-resistant rotor, screen and chamber components

Discharge:
- Compressed air venturi system

Machine:
- Complete sound enclosure

Qualified For Many Applications:

- Injection-molded runners and reject parts
- Small blow-molded parts and tops-tails
- Small extruded tubes and profiles
- Edge trims from sheet extrusion

Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>6508</th>
<th>6512</th>
<th>6516</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting Circle</td>
<td>6.5&quot; (160 mm)</td>
<td>6.5&quot; (160 mm)</td>
<td>6.5&quot; (160 mm)</td>
</tr>
<tr>
<td>Throughput</td>
<td>Up to 150 lbs/hr (40 kg/hr)</td>
<td>Up to 200 lbs/hr (60 kg/hr)</td>
<td>Up to 300 lbs/hr (80 kg/hr)</td>
</tr>
<tr>
<td>Cutting Chamber</td>
<td>6.5&quot; x 8&quot; (160 mm x 200 mm)</td>
<td>6.5&quot; x 12&quot; (160 mm x 300 mm)</td>
<td>6.5&quot; x 16&quot; (160 mm x 400 mm)</td>
</tr>
<tr>
<td>Rotor Knives</td>
<td>(3) D2 HCHC</td>
<td>(3) D2 HCHC</td>
<td>(3) D2 HCHC</td>
</tr>
<tr>
<td>Stationary Knives</td>
<td>(2) D2 HCHC (2 edge)</td>
<td>(2) D2 HCHC (2 edge)</td>
<td>(2) D2 HCHC (2 edge)</td>
</tr>
<tr>
<td>Motor</td>
<td>3 HP (2.25 kW)</td>
<td>3 HP (2.25 kW)</td>
<td>3 HP (2.25 kW)</td>
</tr>
<tr>
<td>Electrical Components</td>
<td>Start/stop push buttons, safety interlocks</td>
<td>Start/stop push buttons, safety interlocks</td>
<td>Start/stop push buttons, safety interlocks</td>
</tr>
<tr>
<td>Controls</td>
<td>NEMA Type 12</td>
<td>NEMA Type 12</td>
<td>NEMA Type 12</td>
</tr>
<tr>
<td>Feed Height</td>
<td>51&quot; (1300 mm)</td>
<td>51&quot; (1300 mm)</td>
<td>51&quot; (1300 mm)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>27&quot; (700 mm)</td>
<td>27&quot; (700 mm)</td>
<td>27&quot; (700 mm)</td>
</tr>
<tr>
<td>Overall Width</td>
<td>20&quot; (520 mm)</td>
<td>24&quot; (620 mm)</td>
<td>28&quot; (720 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>510 lbs (230 kg)</td>
<td>530 lbs (240 kg)</td>
<td>550 lbs (250 kg)</td>
</tr>
</tbody>
</table>

© 2010 Cumberland Engineering

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

Bulletin CG2-165.2