Lily Pad Chipper

Overview

Applications
The Kadant Carmanah Lily Pad Chipper is designed to achieve high chip recovery when processing log ends where the diameter is greater than the overall length - this material is also known to some as lily-pads.

Features
- Inclined Drum
- Strong, rigid steel fabrication
- Chipping is substantially parallel to the grain
- 3 edge knife cuts chip cleanly on all 4 surfaces

Benefits
- Provides stable position for lily pads to be processed
- Designed to last
- Less HP required than disc chippers or knife hogs
- No Chip bruising

The drum and spout assemblies of the Kadant Carmanah Lily Pad Chipper are inclined 30 degrees toward the infeed flow. Incoming lily pads, laying flat on the infeed conveyor, ride over the conveyor end and slide down the inclined inside wall of the hopper. This orientation provides a stable position for the chipping to begin which yields high recovery rates from lily pads.

The Kadant Carmanah Lily Pad Chipper utilizes many small individual knives arranged in a spiral around the drum surface. The knife cutting edge is basically parallel to the wood grain similar to the cutting done by a veneer lathe. With this type of cut, the energy required to produce a given volume of chips is up to one half of what is normally required by conventional disc chippers. Further, cutting parallel to the grain results in lower chipper noise level.
## Lily Pad Chipper-1000 08/2014

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<table>
<thead>
<tr>
<th>Model</th>
<th>Drum Dia</th>
<th>RPM</th>
<th>No. of Knives</th>
<th>Single Spiral</th>
<th>Normal Average Capacity - m³/hr (SWE)</th>
<th>Normal Power Required h.p. (kw)</th>
<th>wk²/gd² lb-ft² (kg-m²)</th>
<th>Weight - lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>38x1-8 (965x500)</td>
<td>38 (965)</td>
<td>335</td>
<td>27</td>
<td>20</td>
<td>10</td>
<td>60 (45)</td>
<td>75 (55)</td>
<td>100 (75)</td>
</tr>
<tr>
<td>38x2-6 (965x760)</td>
<td>38 (965)</td>
<td>335</td>
<td>41</td>
<td>30</td>
<td>15</td>
<td>100 (75)</td>
<td>125 (90)</td>
<td>150 (110)</td>
</tr>
<tr>
<td>55x2-3 (1400x680)</td>
<td>54 (1372)</td>
<td>280</td>
<td>36</td>
<td>27</td>
<td>16</td>
<td>125 (90)</td>
<td>150 (110)</td>
<td>200 (150)</td>
</tr>
<tr>
<td>55x3-6 (1400x1060)</td>
<td>54 (1372)</td>
<td>280</td>
<td>56</td>
<td>42</td>
<td>25</td>
<td>150 (110)</td>
<td>200 (150)</td>
<td>250 (185)</td>
</tr>
<tr>
<td>72x3-6 (1830x1060)</td>
<td>72 (1830)</td>
<td>240</td>
<td>56</td>
<td>42</td>
<td>32</td>
<td>200 (150)</td>
<td>250 (185)</td>
<td>300 (225)</td>
</tr>
</tbody>
</table>

Note: Capacity and power figures are guidelines only. Please consult Kadant Carmanah Design for accurate and site-specific figures.

Unique, 3-edged knife yields a clean cut chip on all 4 edges.