### Overview

**Applications**
The 34/118 Block Strander cuts 860mm long log sections (blocks) into strands for OSB production. The blocks are fed to the disc with the grain parallel to the disc face. Feed chains are equipped with spikes, which grip the blocks moving them into the disc and holding them firmly while the wood is cut into strands.

**Features**
- Stable cutting position due to spiked chain infeed
- Strand flow is consistent and steady
- No specialized controls required

**Benefits**
- High quality strands
- Predictable strand production rates and conveyor loading
- Simple to operate and maintain

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**Typical Stranding Action**

**View of Block Disc Knife Change Area**
**Machine Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Cutting Knives</td>
<td>2 knives in each of 24 pockets</td>
</tr>
<tr>
<td>Disc &amp; Assembly wt</td>
<td>7,700 kg</td>
</tr>
<tr>
<td>Disc RPM</td>
<td>400 rpm</td>
</tr>
<tr>
<td>Disc &amp; Arbor wk²</td>
<td>6,100 kg-m² @ disc rpm</td>
</tr>
<tr>
<td>Motor Size</td>
<td>550kW Pine to 750kW Hardwoods</td>
</tr>
<tr>
<td>Drive Type</td>
<td>V-belts</td>
</tr>
<tr>
<td>Approx Total wt</td>
<td>34,000 kg</td>
</tr>
</tbody>
</table>

**Kadant Carmanah 34/118 Block Strander - 24 Knife**

Typical Capacity - Pine

- Average SG: 0.46
- Duty Factor: 0.875
- Fill Factor: 0.50
- Utilization: 0.90

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