The Baker Hughes BLUE JAY™ 60 VCD (vertical cuttings dryer) significantly improves liquid phase recovery, making it a sound return on investment (ROI).

The BLUE JAY 60 VCD can be fed by means of screw conveyor, vacuum system, or rotary-lobe solids pump from the flow-line shakers. Drill cuttings are fed into the hopper and distributed along the inner wall of the screen with the aid of the rotor. The liquid phase, or “filtrate,” passes through the screen openings while the vertical scraper with sintered tungsten carbide tiles scrape the accumulating cake solids toward the bottom of the VCD for disposal. The filtrate gravity flows into a containment tank and is pumped to a high speed decanter centrifuge.

The BLUE JAY 60 VCD features a unique air knife that automatically cleans the screen baskets with a focused air jet flowing at 134 miles per hour to ensure optimal long-term performance. The air knife also serves to reduce screen blinding.

Upon discharge, the dried cuttings are then either safely discharged to the environment, are collected for further treatment, or are taken for off-site disposal.

**Overview**

**BLUE JAY 60 VCD (Vertical Cuttings Dryer)**
Cost effectively maintain your drilling fluids properties and characteristics

The BLUE JAY 60 VCD separating liquid and solids are collected for further treatment, or are taken for off-site disposal.

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**Properties/Specifications**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>BLUE JAY 60 VCD (Vertical Cuttings Dryer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G Force range</td>
<td>180 to 530 Gs</td>
</tr>
<tr>
<td>Speed range</td>
<td>560 to 1140 RPM</td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 60 t/h</td>
</tr>
<tr>
<td>Bowl construction</td>
<td>316 stainless steel screen basket with cage</td>
</tr>
<tr>
<td>Motor horsepower</td>
<td>60Hp (45kW)</td>
</tr>
<tr>
<td>Voltage</td>
<td>460v / 60Hz or 380V / 50Hz 3 phase</td>
</tr>
<tr>
<td>Differential speed</td>
<td>10:1</td>
</tr>
<tr>
<td>Weight</td>
<td>11,000 lbs (4989.51 kg)</td>
</tr>
<tr>
<td>Manufactured</td>
<td>Texas USA</td>
</tr>
</tbody>
</table>

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An automatic shut-off system protects bearings when low oil pressure is identified. Rotating components are individually balanced to ensure vibration-free operation.

Screen blinding is significantly reduced through the use of a high-pressure air knife producing a focused air stream travelling at 134 mph (215 km/h).

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**Applications**
- Oil-based drilling fluids
- Synthetic-based drilling fluids

**Features and Benefits**
- Reduces oil on cuttings retention
  - Meets environmental legislation for drilled cuttings discharge
- Large basket surface area and high-torque rotating assembly
  - Maximizes recovery of expensive drilling fluid
- Air knife to clean the screen baskets with a focused air jet
  - Ensures optimal long-term performance
  - Reduces screen blinding