ABB ACS 140 Variable Frequency Drives
for use with Desoutter Auto Feed Drills and Tappers

Possible uses include:

1. Speed Change either automatically through a proximity switch or manually through the key pad. Can be used when changing hole size/material or “drapping”.

2. Electric motor reversal for tension tapping.

3. Rapid advance and motor reversal when lead screw tapping.

Basic Feature Summary:

- **Easy Integration**
  - Flexible application macros.
  - On board power supply 12vdc, max 100mA for powering proximity switches.
  - Five programmable digital inputs for logic functions.
  - Two programmable analog inputs.
  - Simple keypad entry for parameter setting.

- **Detachable Control Panel**
  - Parameters can be easily copied from drive to drive.
  - Tamper proof setting

- **Multiple mounting possibilities – NOTE Must be mounted in an enclosure**
  - Wall mount
  - Built in DIN rail mount
  - Flange mount where the heat sink can be placed outside of a cabinet.

- **CE Marked, UL and CUL Approved**

- **DC Braking Optional Accessory**
## Standard Ratings (ambient temperature 40 °C) and Frame Sizes

<table>
<thead>
<tr>
<th>Rated Motor Power (HP)</th>
<th>Rated Output Current 3 phase (A)</th>
<th>Frequency Drive</th>
<th>Rated Input Current 3 phase (A)</th>
<th>Frame Size/Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-240V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 phase</td>
<td>0.75</td>
<td>ACS143-1K1-1</td>
<td>4.2</td>
<td>B/2.4</td>
</tr>
<tr>
<td>50/60 Hz</td>
<td>1.5</td>
<td>ACS143-2K1-1</td>
<td>7.2</td>
<td>C/4.4</td>
</tr>
<tr>
<td>380-480V</td>
<td>1</td>
<td>ACS143-4K1-1</td>
<td>12</td>
<td>D/5.5</td>
</tr>
<tr>
<td>3 phase</td>
<td>1.5</td>
<td>ACS143-1K6-3</td>
<td>2.7</td>
<td>B/2.4</td>
</tr>
<tr>
<td>50/60 Hz</td>
<td>2</td>
<td>ACS143-2K1-3</td>
<td>4</td>
<td>B/2.4</td>
</tr>
<tr>
<td>380-480V</td>
<td>2</td>
<td>ACS143-2K7-3</td>
<td>5.1</td>
<td>C/4.4</td>
</tr>
<tr>
<td>3 phase</td>
<td>3</td>
<td>ACS143-4K1-3</td>
<td>6.4</td>
<td>D/5.5</td>
</tr>
</tbody>
</table>

### Mechanical Dimensions H x W x D

- **Frame B**: 5.75" x 3.15" x 6.89"
- **Frame C**: 8.59" x 3.15" x 8.27"
- **Frame D**: 9.65" x 3.15" x 8.98"

For More information Contact Desoutter Inc.