AUTOMATIC STOP
A Bi-Directional single level preset counter counts from 1-999,999 turn counts. Registers turn count whether adding or subtracting turns. The counter displays the turn count and tachometer reading then stops the winder at the preset number. The stopping position can be advanced up to one full turn to compensate for inertia over-ride under various loads and speeds.

LIGHT-MEDIUM DUTY WINNER
This constant torque winding machine provides a permanent magnet DC motor which drives a gear reducer. Engineered for those who require a coil winder with limited pulling power and a wide speed range.

PERMANENT MAGNET DC MOTOR DRIVE MODEL 75 & 76
The DC motor offers soft, smooth starting and stopping. Controlled acceleration from zero to full speed prevents shock loads, which could stretch or break the wire. This drive is reversible and can operate continuously at rated torque throughout the specified speed range.

SPEED CONTROL
Speed is controlled by the integral foot pedal. The operator has full control of acceleration and deceleration of the entire speed range by use of the remote pedal. The operator will accelerate to the same speed every time the foot pedal is depressed.

A.C. ADJUSTABLE FREQUENCY DRIVE MODEL 77 ONLY

SAFETY FEATURE
The operator may stop the machine instantly at any desired turn count by simply removing pressure from the foot pedal. Starting and stopping remains controlled by the pedal.

COIL WEIGHT CAPACITY
Loads up to 240 Lbs. when used with outboard support such as the ACE Model 65 or 66 Tailstock.

SPEED AND TORQUE RANGES

<table>
<thead>
<tr>
<th>MODELS</th>
<th>RPM SPEED</th>
<th>LB. FT. TORQUE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONSTANT TORQUE</td>
<td>VARIABLE TORQUE</td>
</tr>
<tr>
<td>75</td>
<td>0-490</td>
<td>N/A</td>
</tr>
<tr>
<td>76</td>
<td>0-490</td>
<td>N/A</td>
</tr>
<tr>
<td>77</td>
<td>0-336</td>
<td>336-672</td>
</tr>
</tbody>
</table>

ACE EQUIPMENT COMPANY
4725 MANUFACTURING ROAD
CLEVELAND, OHIO 44135
WWW.ARMATURECOIL.COM
800-255-1241 216-267-6366 FAX 216-267-4361
COIL WINDING
LIGHT-MEDIUM DUTY COIL WINDERS

**Motor**

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>R.P.M.</th>
<th>Volts</th>
<th>Hertz</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>1</td>
<td>1250</td>
<td>90 VDC</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>76</td>
<td>2</td>
<td>2500</td>
<td>180 VDC</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>77</td>
<td>2</td>
<td>1450/2900</td>
<td>240/480 VAC</td>
<td>50 Hz</td>
</tr>
<tr>
<td>77</td>
<td>2</td>
<td>1800/3600</td>
<td>240/480 VAC</td>
<td>60 Hz</td>
</tr>
</tbody>
</table>

**DC Control Power**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Phase</th>
<th>Hertz</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>120/240 VAC</td>
<td>1</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>76</td>
<td>240 VAC</td>
<td>1</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>77</td>
<td>240/480 VAC</td>
<td>3</td>
<td>50/60 Hz</td>
</tr>
</tbody>
</table>

**Torque**

Torque is developed by an in-line double reduction gear reducer.

**Face Plate**

8" Dia. with four slots, which readily accommodates all types of special winding forms and fixtures.

**Swing**

39-3/4" height to center of the face plate

**Braking**

A heavy duty electromagnetic spring-set Disc brake is mounted on the input shaft to produce accurate, positive stopping.

**Face Plate Output Shaft**

1-1/4" Dia. Shaft (Model 76 & 77)
1" Dia. Shaft (Model 75)

**Bearings**

Drive shafts are mounted in fully self-aligning, precision built, anti-friction roller bearing pillow blocks.

**Gears**

Double reduction precision ground gears.

**Complete Winding Systems**

The 70 Series Coil Winders can be configured with other ACE winding components to create a complete coil winding and tension system.....

**Enclosure**

Formed heavy gauge cabinet containing mechanical and electrical components. Designed for easy maintenance accessibility.

**Important**

When ordering, specify required power.

**Modifications**

The winder is designed to be easily modified to meet customer’s torque and speed specifications.

**Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Net Weight</th>
<th>Gross Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>20&quot; X 35-1/2&quot; D X 49&quot; H</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>76</td>
<td>20&quot;X 35-1/2&quot; D X 49&quot; H</td>
<td>300</td>
<td>350</td>
</tr>
<tr>
<td>77</td>
<td>20&quot;X 35-1/2&quot; D X 49&quot; H</td>
<td>350</td>
<td>400</td>
</tr>
</tbody>
</table>

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