<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHRYSLER MODEL NO.</th>
<th>KVA @ 50% DC</th>
<th>PRIMARY VOLT/FREQ</th>
<th>SECONDARY VOLTAGE (DC)</th>
<th>TURNS RATIO LD/TAP</th>
<th>HI/TAP</th>
<th>WEIGHT LBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDC-1070</td>
<td>91-901-1201</td>
<td>170</td>
<td>650/1000</td>
<td>9.5 13.0</td>
<td>66:1 50:1</td>
<td></td>
<td>100</td>
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<tr>
<td>TDC-5628</td>
<td>170</td>
<td>800/1000</td>
<td>9.5 13.1</td>
<td>86:1 61:1</td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

COOLING REQUIREMENTS: 2 GPM PER CIRCUIT @ 30°C MAX
4 GPM TOTAL

TRANSFORMER CASE MUST BE GROUNDED.
TRANSFORMER WILL BE SHIPPED WITH A JUMPER CONNECTING SECONDARY CENTER TAP TO CASE.
USER MUST PROVIDE APPROPRIATE GROUNDING OF SECONDARY CIRCUIT, FOR APPLICATIONS ABOVE A 20% DUTY CYCLE, CONTACT ROMAN MANUFACTURING FOR ASSISTANCE.

NOTE:
The secondary terminals of this device are intended as an electrical connection only. Applications must be designed to minimize any forces applied to the secondary terminals, this can be accomplished by transferring forces to a structural member.

T. J. SNOW CO.
120 Nowlin Lane • P.O. Box 22847
Chattanooga, Tennessee 37421
Phone: (423) 894-6234 • Fax: (423) 892-3889
welders@tjsnow.com or www.tjsnow.com
Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.
4 Diode(s) per rectifier leg
8 Diodes total

Weld time in cycles (50/60 Hz)
Rectifier rating curve

Transformer Rating Curve

DUTY CYCLE (%)

Notes:
These curves are based on rated water flow of 4 G.P.M (15 L.P.M.).
Maximum water in temperature of 30°C.
For applications above a 20% duty cycle, contact
Roman Manufacturing for assistance.

Rectifier Rating:
% Duty Cycle is based on shortest time from beginning of one
weld to the beginning of next weld. On time/(On + Off time).

Transformer Rating:
% Duty Cycle is total "On" time in one minute.