Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.
2 Diode(s) per rectifier leg
4 Diodes total

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

Transformer Rating Curve

DC CURRENT
[Chart with values: 39.2, 36.5, 33.6, 30.8, 28.1, 25.3, 22.5, 19.7, 16.9, 14.1, 11.2]
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DUTY CYCLE (%)

Notes:
These curves are based on rated water flow of 2 G.P.M (7.5 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.