

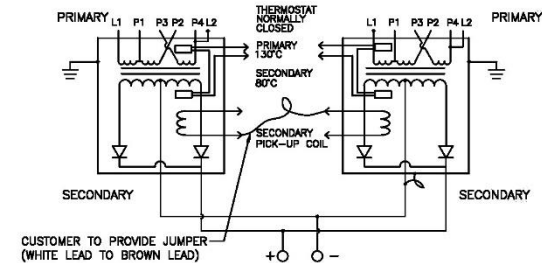
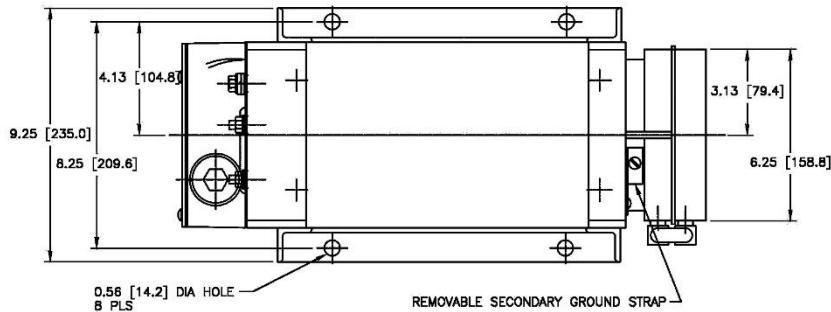
Entron 1.5K LMI. (Roman TDC-5876-1 & TDC-8074 MFDC Transformers)



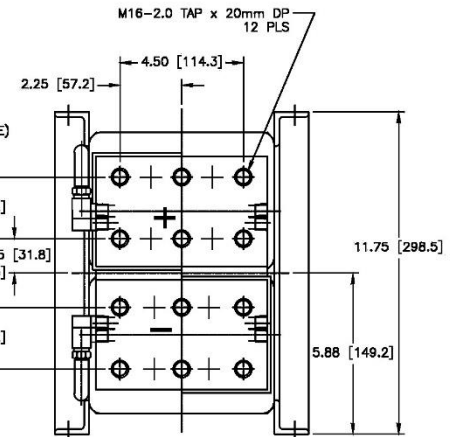
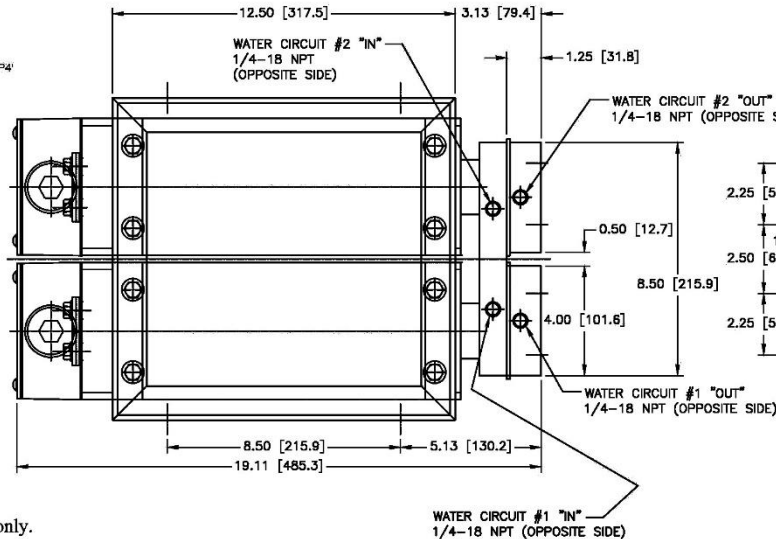
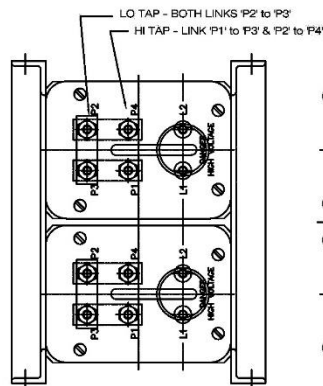
COOLING REQUIREMENTS: 7.5 LPM @ 30°C PER CIRCUIT
15 LPM TOTAL

TDC-5876-1

KVA @ 50% DC	MODEL NUMBER	PRIMARY VOLT/FREQ	SECONDARY VOLTAGE		TURNS RATIO		WEIGHT LBS	FLOW RATE LPM
			TAP 1	TAP 2	TAP 1	TAP 2		
320	TDC-5874	500V/1000Hz	9.0	13.1	55:1	38:1	190	15
320	TDC-5876	650V/1000Hz	9.0	13.0	72:1	50:1	190	15
320	TDC-6128	800V/1000Hz	9.1	13.1	88:1	61:1	190	15



TRANSFORMER CASE MUST BE GROUND. 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.

RATING CURVE RC-5874
DIMENSIONS = INCH [MM]

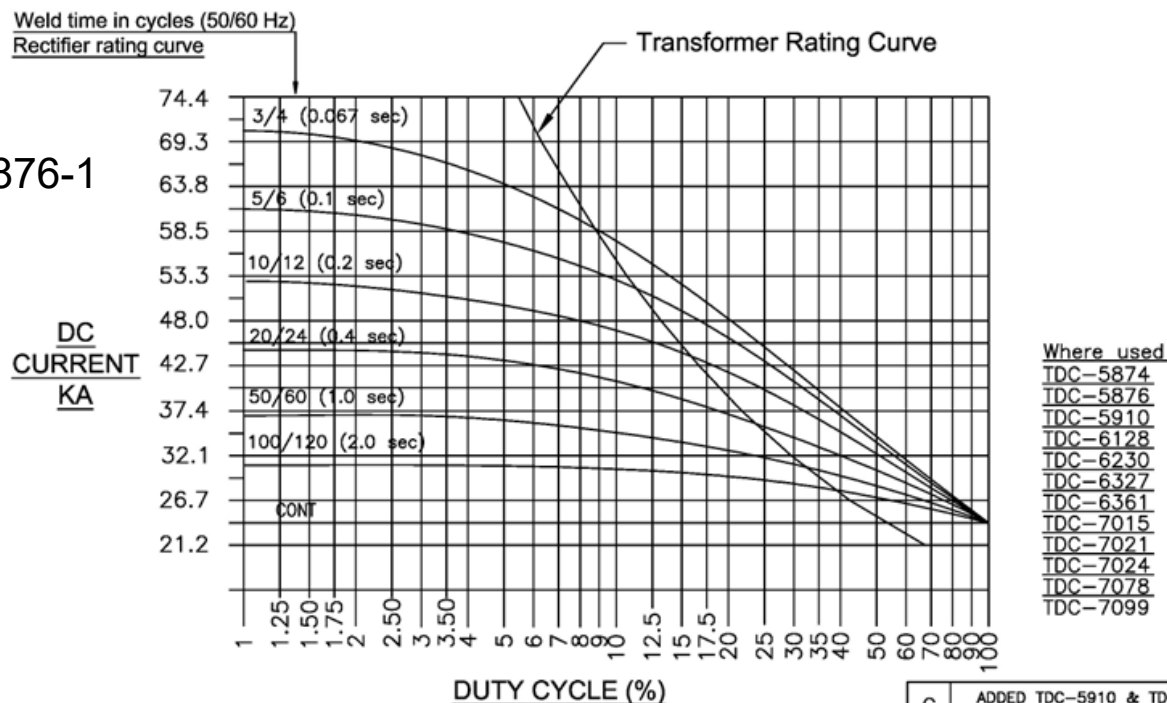
C	ADDED MODEL #TDC-6128	BCC KLY	01NOV07
REV	DESCRIPTION	DATE	
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Entron 1.5K LMI. (Roman TDC-5876-1 & TDC-8074 MFDC Transformers)



Power Supply Rating Diagram, Single Phase, Center Tap Rectifier. Size 6 Rectifier

TDC-5876-1



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 total "On" time in 2.5 seconds.

Transformer Rating:

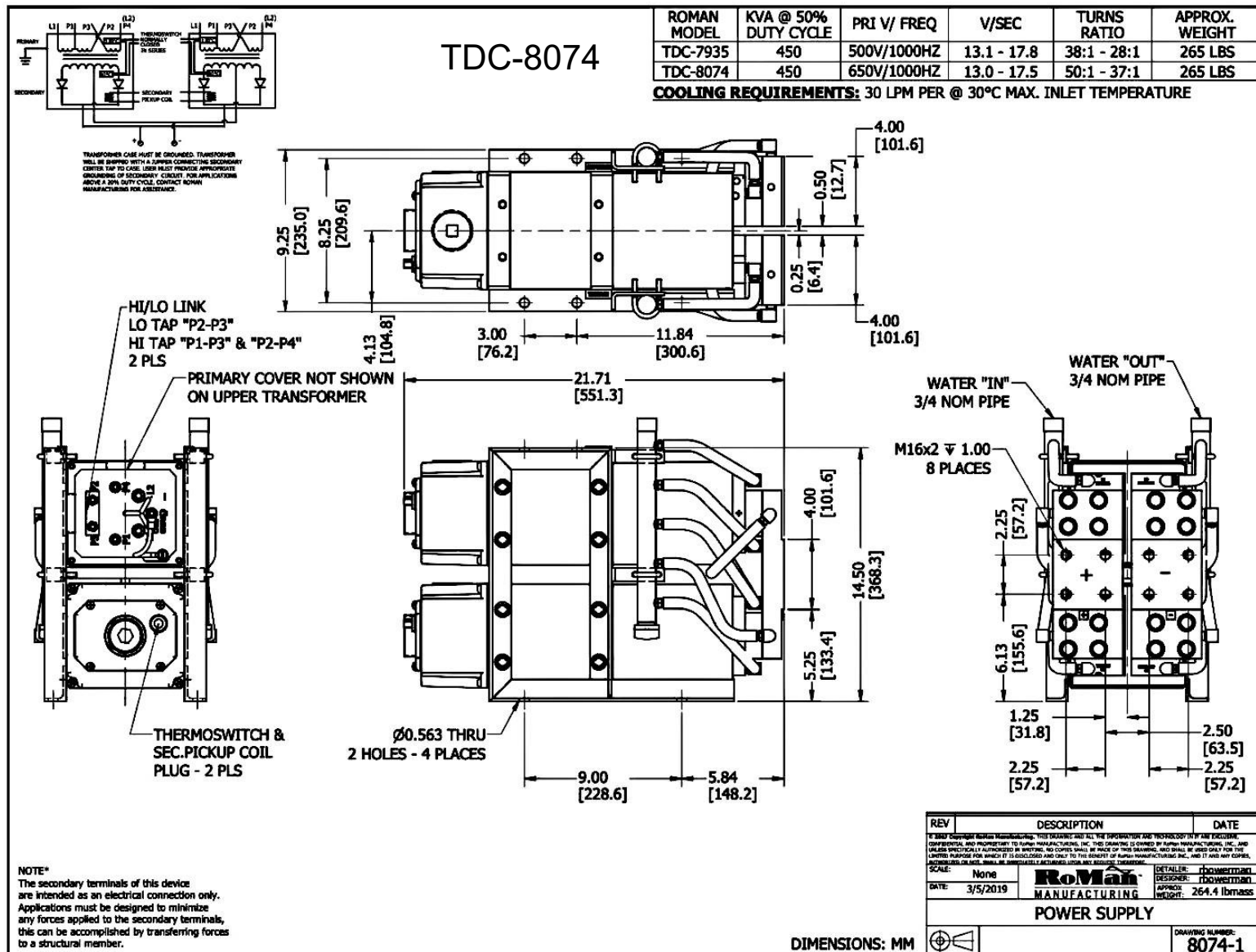
% Duty Cycle is total "On" time in one minute.

I	Corrected Rectifier Duty	RD	RD	20JUL20
H	ADDED TDC-7078 TO "WHERE USED"	BCC	KLY	21MAR12
G	ADDED TDC-7021 TO "WHERE USED"	BCC	KLY	20Oct11
F	ADDED TDC-7024 TO "WHERE USED"	KLY	GMA	06Oct11
E	ADDED TDC-7015 TO "WHERE USED"	KLY	KLY	29Sep11
D	ADDED TDC-6361 TO "WHERE USED"	RB	KLY	19Nov08

C	ADDED TDC-5910 & TDC-6327 TO WHERE USED LIST	TVD	KLY	02OCT08
B	Added TDC-6128 to where used list	GMA	KLY	04Aug08
A	Added TDC-6230 to where used list	KLY	KLY	05Jun08

REV	DESCRIPTION	DATE
SCALE: NONE	DATE: 06Nov06	
RATING CURVE		
DRAWING NUMBER: RC-5874		

RC-5874





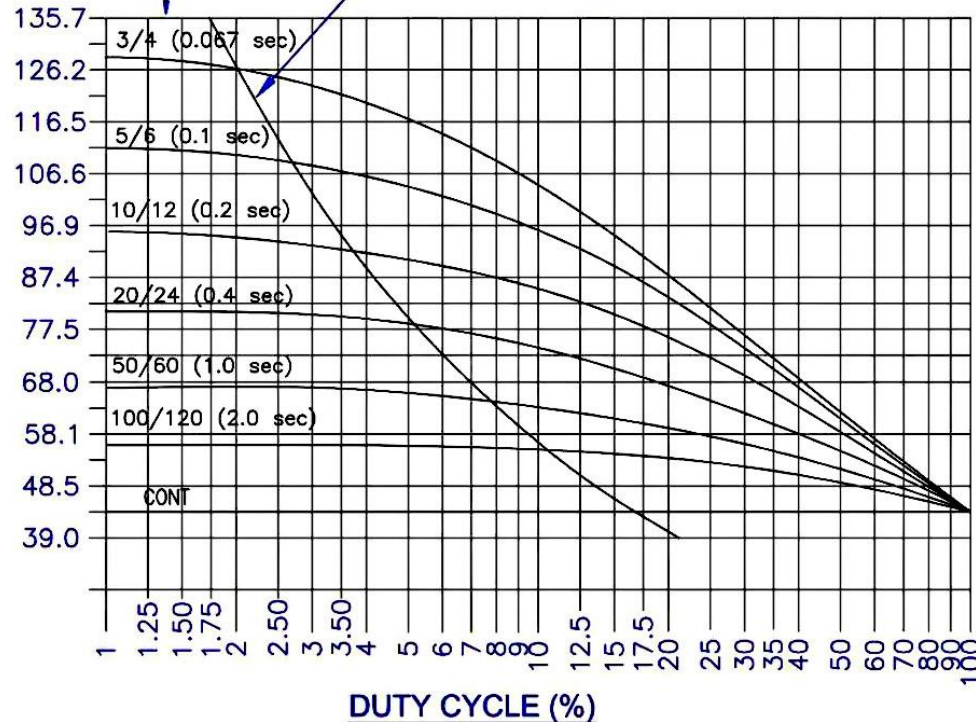
**Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.
Size "12" Rectifier**

TDC-8074

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

Transformer Rating Curve

DC
CURRENT
KA



Where used
TDC-7935
TDC-8074

Notes:

These curves are based on rated water flow of 8 G.P.M (30 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 total "On" time in 2.5 seconds.

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

RC7935

A	CORRECTED RECTIFIER DUTY	20JUL20
REV	DESCRIPTION	DATE
1	None	27JUL17
RoMan MANUFACTURING		DRAWN BY: KLY CHECKED BY:
RATING CURVE		DRAWING NUMBER:
		TDC-7935 RC7935