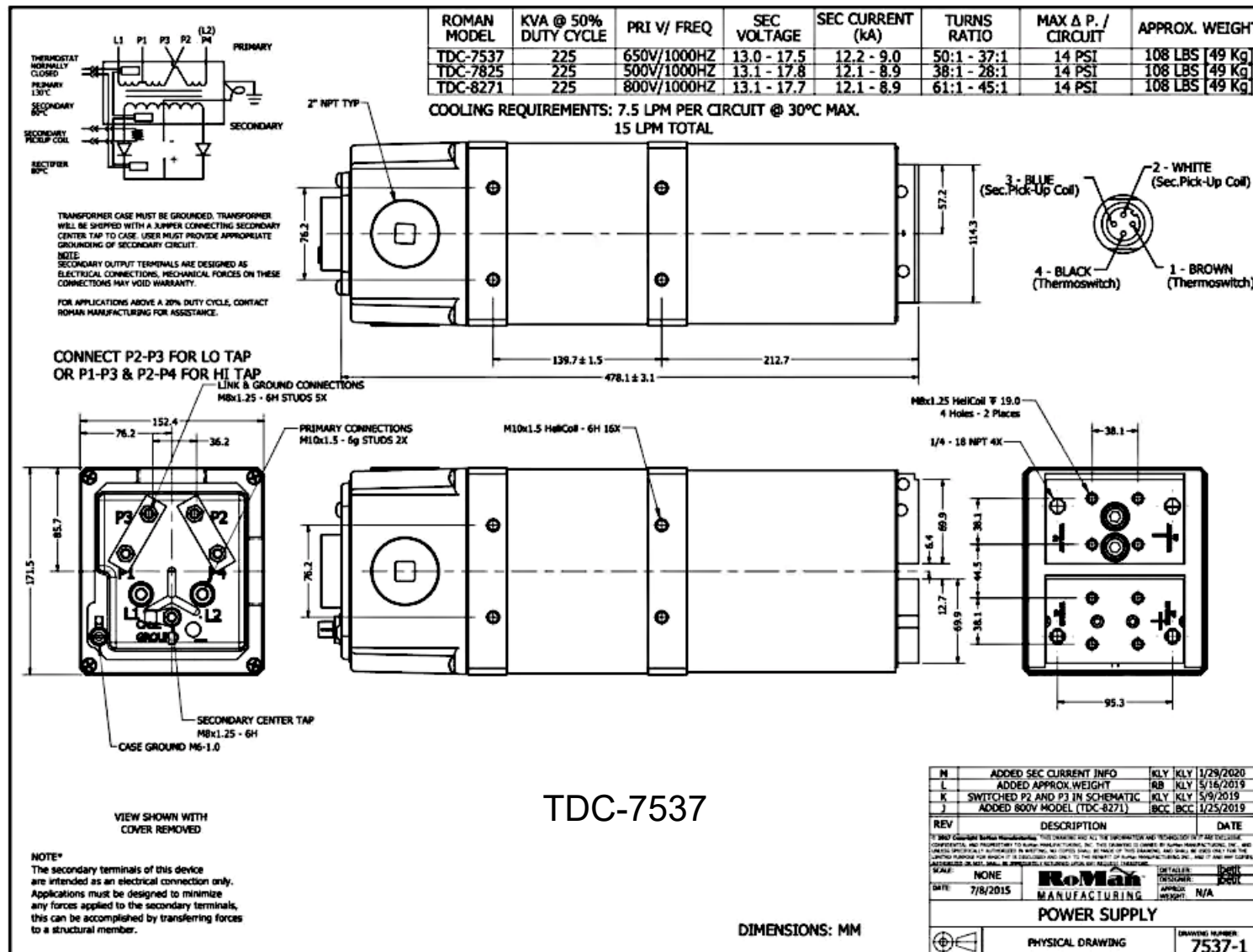


Entron 1000 Amp Inv. (Roman TDC-7537, TDC-5876 MFDC Transformers)



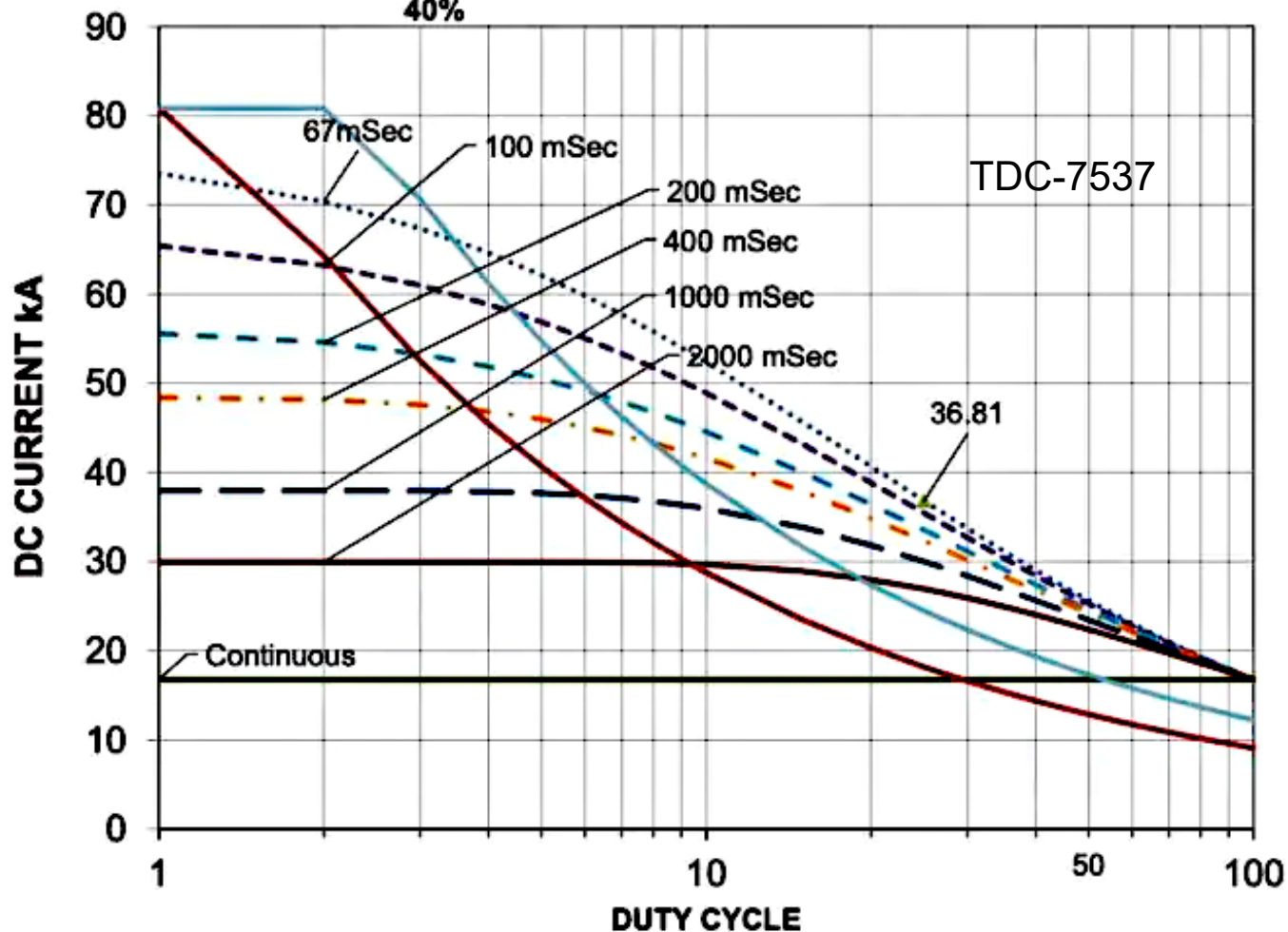
Rating Curve for RoMan TDC7537 , 2 coolant circuits at 2 GPM minimum (7.5 LPM) per circuit, 225 kVA @ 50% duty cycle and 17.5 VDC (transformer). 30 C max coolant inlet temp, 10 million weld life expectation at these conditions, Contact RoMan if duty cycle exceeds

40%

- 67mSec
- 100 mSec
- - - 200 mSec
- . - 400 mSec
- - - 1000 mSec
- - - 2000 mSec
- Continuous
- Xfmr 17.5
- Xfmr 13
- ▲ sample point, 0.067 s weld time, 25 % duty
- Series10

Rectifier % Duty Cycle is total "ON" time in 2.5 seconds

Transformer % Duty cycle is the total "On" time in 1 minute.



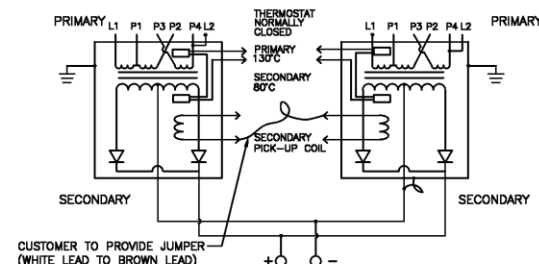
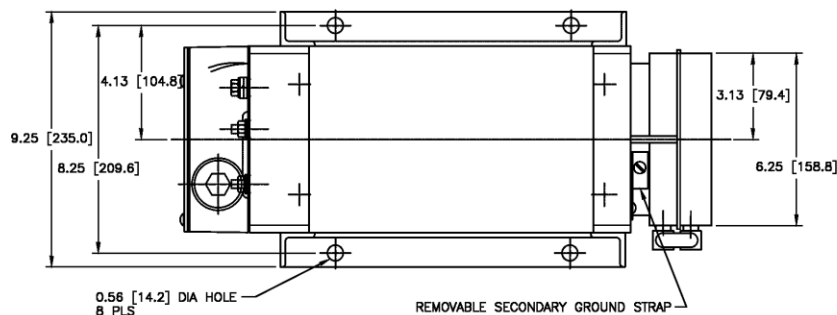
Entron 1000 Amp Inv. (Roman TDC-7537, TDC-5876 MFDC Transformers)



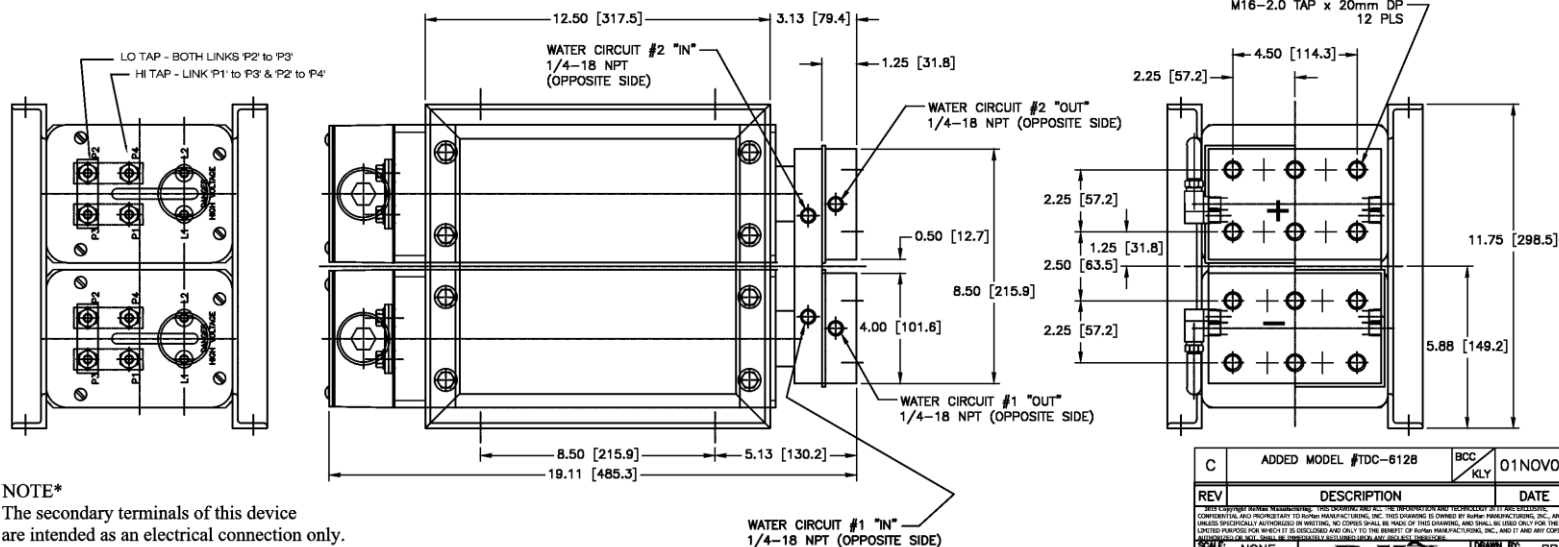
COOLING REQUIREMENTS: 7.5 LPM @ 30°C PER CIRCUIT
15 LPM TOTAL

TDC-5876

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 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*

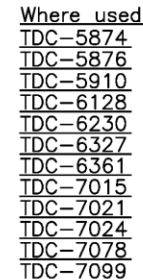
The secondary terminals of this device are intended as an electrical connection only. Applications must be designed to minimize any forces applied to the secondary terminals, this can be accomplished by transferring forces to a structural member.

RATING CURVE RC-5874
DIMENSIONS = INCH [MM]

C	ADDED MODEL #TDC-6128	BCC KLY	01NOV07
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ENTRON™

TDC-5876



DUTY CYCLE (%)					
		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
			© 2008 Copyright RoMan Manufacturing. This drawing and all the information and technology in it are exclusive, confidential and proprietary to RoMan Manufacturing, Inc. This drawing is owned by RoMan Manufacturing, Inc., and unless specifically authorized in writing, no copies shall be made of this drawing, and shall be used only for the limited purpose for which it is disclosed and only to the benefit of RoMan Manufacturing, Inc., and it and any copies, authorized or not, shall be immediately returned upon request therefore.		
			SCALE: NONE		DRAWN BY: KLY
			DATE: 06Nov06		APPROX WEIGHT:
			RATING CURVE		
				DRAWING NUMBER: RC-5874	

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