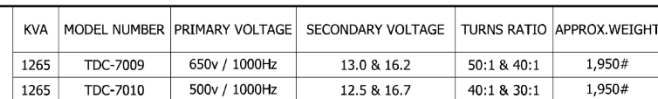
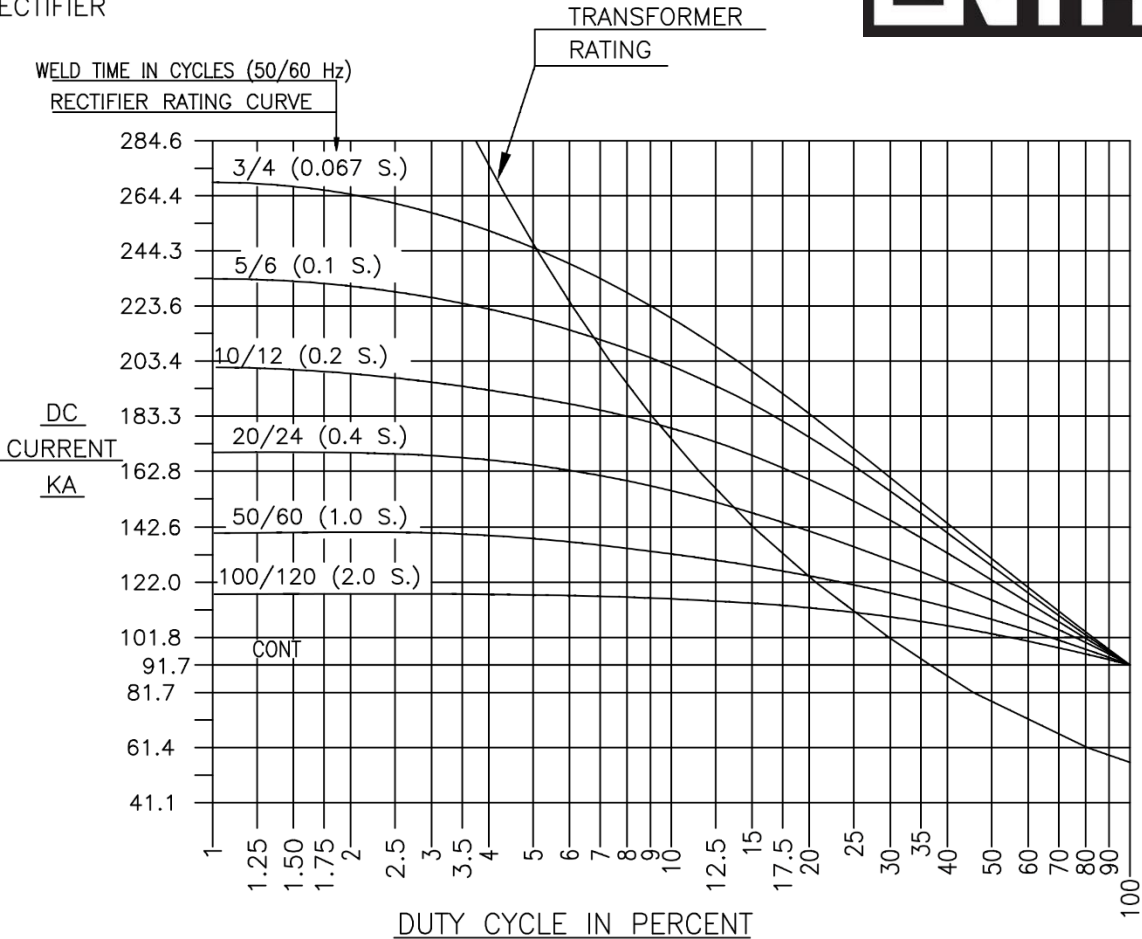


ENTRON™

A	ADDED PRIMARY TERMINAL VIEW	RCC/KLY	2/17/2014
REV	DESCRIPTION	DATE	
THIS DRAWING AND ALL THE INFORMATION AND TECHNOLOGY IT IS TO INCLUDE, CONFIDENTIAL AND PROPRIETARY TO Raytheon, INC. (RAYTHEON) AND SHALL BE KEPT AND HANDLED CONFIDENTIALLY BY THE USER. IT IS TO BE KEPT AS A TRADE SECRET OF RAYTHEON, INC. AND NOT BE DISCLOSED OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF RAYTHEON, INC. IT IS TO BE KEPT AND HANDLED CONFIDENTIALLY BY THE USER. IT IS TO BE KEPT AS A TRADE SECRET OF RAYTHEON, INC. AND NOT BE DISCLOSED OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF RAYTHEON, INC.			
SCALE	None	DESIGN BY	bconner
DATE	9/26/2011	WEIGHT	N/A
 POWER SUPPLY			
 PHYSICAL DRAWING		DRAWING NUMBER: 7009-1	

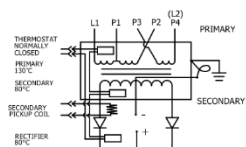
POWER SUPPLY RATING DIAGRAM
SINGLE PHASE, CENTER TAP RECTIFIER
SIZE 24 RECTIFIER



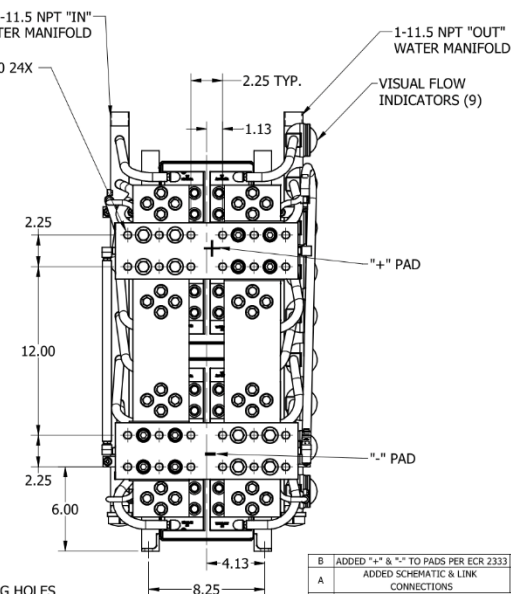
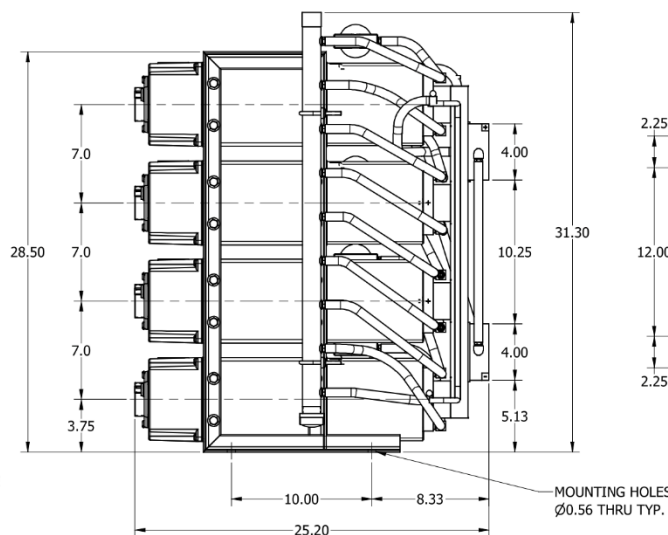
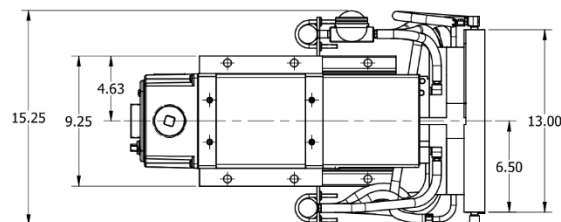
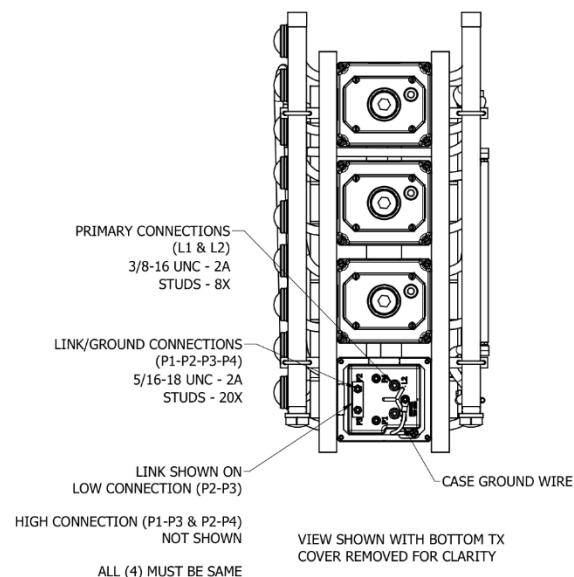
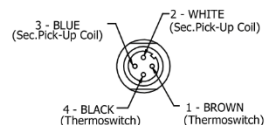
WHERE USED
TDC-6556
TDC-6658
TDC-7009
TDC-7010
TDC-7229

NOTES:
THESE CURVES ARE BASED ON RATED
WATER FLOW OF 30 G.P.M. (INCLUDING CORE COOLING PLATES) AND
MAXIMUM WATER IN TEMPERATURE OF 30°C
RECTIFIER RATING:
% DUTY CYCLE IS TOTAL "ON" TIME IN ONE MINUTE.
TRANSFORMER RATING:
% DUTY CYCLE IS TOTAL "ON" TIME IN ONE MINUTE.
700289

D	EXTENDED TRANSFORMER RATING CURVE TO 100% DUTY CYCLE	KLY KLY	6JUN13
REV	DESCRIPTION	DATE	
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SCALE:	NONE	RoMan MANUFACTURING	DRAWN BY: KLY
DATE:	16Nov09	APPROX WEIGHT:	
1PH Inverter Rating Curve			
			DRAWING NUMBER: RC-6556



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.
 NOTE:
 SECONDARY OUTPUT TERMINALS ARE DESIGNED AS
 ELECTRICAL CONNECTIONS. MECHANICAL FORCES ON THESE
 CONNECTIONS MAY VOID WARRANTY.
 FOR APPLICATIONS ABOVE A 20% DUTY CYCLE, CONTACT
 ROMAN MANUFACTURING FOR ASSISTANCE.



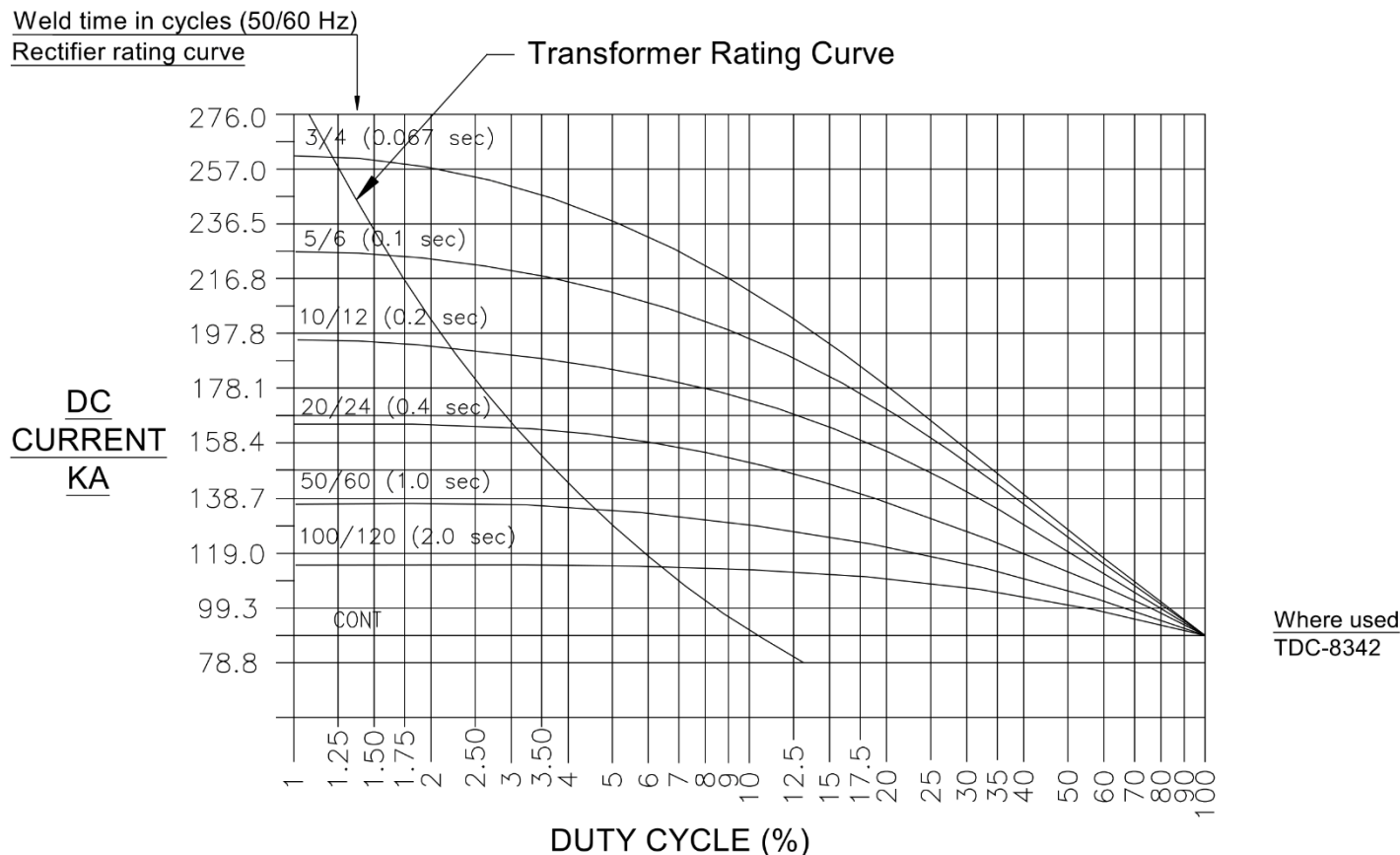
MODEL	KVA @ 50% DUTY CYCLE	PRIMARY VOLT/FREQ	APPROX. WEIGHT	SEC. VOLTAGE	TURNS RATIO	LINK CONNECTION	PRIMARY CONNECTION
TDC-8342	900	650V/1000Hz	700 LBS	17.1	38:1	P2-P3	L1 & L2
				23.2	28:1	P1-P3 & P2-P4	L1 & L2

COOLING REQUIREMENTS: 17 GPM MIN. @ 30°C MAX. INLET TEMPERATURE

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.

B	ADDED "+" & "-" TO PADS PER ECR 2333	JCB	KLY	1/18/2021
A	ADDED SCHEMATIC & LINK CONNECTIONS	RB	RD	8/1/2019
REV	DESCRIPTION	DATE		
1	ADDED SCHEMATIC & LINK CONNECTIONS	8/1/2019		
2	ADDED SCHEMATIC & LINK CONNECTIONS	8/1/2019		
3	ADDED SCHEMATIC & LINK CONNECTIONS	8/1/2019		
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99	ADDED SCHEMATIC & LINK CONNECTIONS	8/1/2019		
100	ADDED SCHEMATIC & LINK CONNECTIONS	8/1/2019		

Power Supply Rating Diagram, Single Phase, Center Tap Rectifier. Size "24" Rectifier



Notes:

These curves are based on rated water flow of 12 G.P.M (45 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.

RC8342

REV	DESCRIPTION	DATE
1	Initial Release	26JUL19
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SCALE: NONE	DATE: 26JUL19	DRAWN BY: KLY
RATING CURVE		
TDC-8342		APPROX WEIGHT:
		DRAWING NUMBER: RC8342