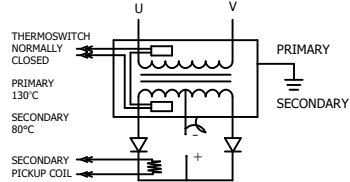


MODEL NUMBER	KVA @ 50% DUTY CYCLE	PRI V / FREQ	SEC V	TURNS RATIO	MAX. Δ P	STEPS	FLOW RATE	APPROX. WEIGHT
TDC-8438	100	650/1000	9.0	72:1	10 PSI (.69 BAR)	1	6 LPM	16.8 KG

COOLING: RATINGS BASED ON 30°C MAX INLET TEMPERATURE



TRANSFORMER CASE MUST BE GROUNDED.

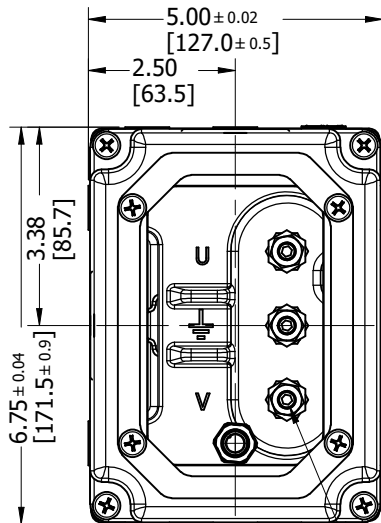
FOR SAFETY, ROMAN MFG. RECOMMENDS GROUNDING OF SECONDARY CIRCUIT PER OUR UNIVERSAL PRODUCT MANUAL. TRANSFORMER IS SHIPPED WITH A BONDING JUMPER BETWEEN SECONDARY & CASE.

SEE RATING CURVE FOR DUTY CYCLE REQUIREMENTS.



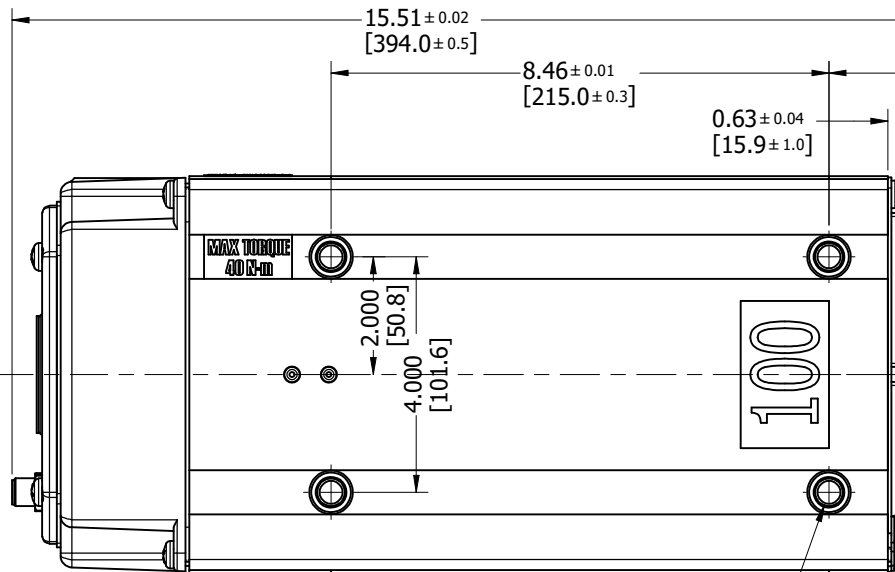
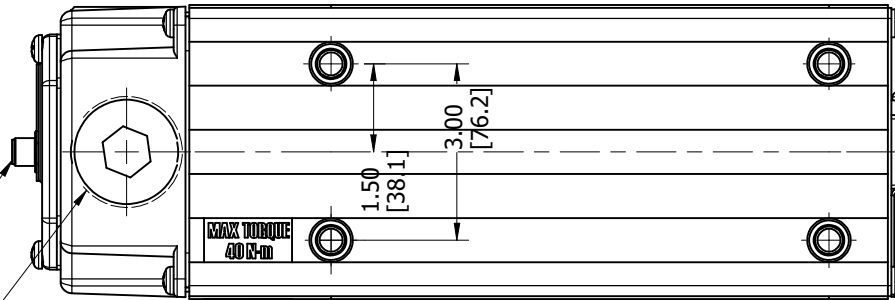
TURCK FS 4.4-0.5

PRIMARY OPENING  
1 1/2 - 11.5 NPT 3X



VIEW SHOWN WITH COVER REMOVED

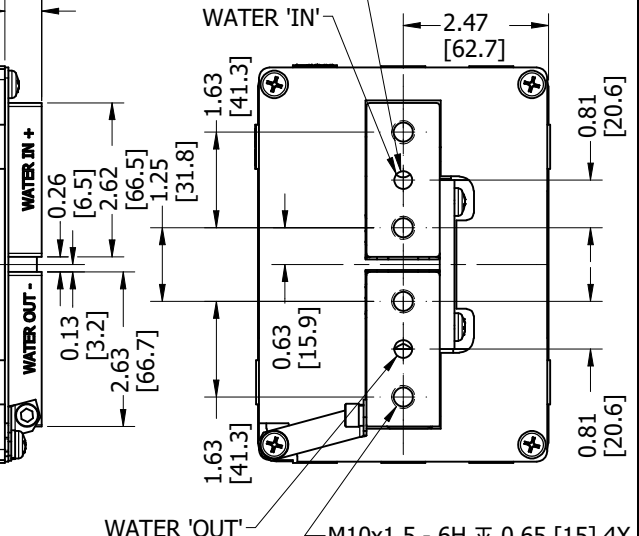
PRIMARY CONNECTION  
M8x1.25 - 6g STUD 3X



MOUNTING HOLES

□ Ø11.5MM ± 4.5MM  
M10x1.5 - 6H ± 13.5MM 16X  
MAX TORQUE 40 N·m

WATER CONNECTION (2) PLS  
USE 10MM I.D. O-RING  
30°C INLET TEMP.



M10x1.5 - 6H ± 0.65 [15] 4X

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.

NOTE:  
SEE RC-8438 FOR RATING CURVE  
SEE LC-8438 FOR LOAD CURVE

DIMENSIONS: IN [MM]

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
FRACTIONS = +/- 1/32  
DECIMALS  
.X = +/- .020  
.XX = +/- .010  
.XXX = +/- .005  
.XXXX = +/- .0010  
ANGLES = +/- 1°  
FINISH IN RMS = 125 MAX  
CONCENTRICITY = .010 TIR  
BREAK ALL SHARP EDGES  
UNLESS OTHERWISE SPECIFIED

REV	DESCRIPTION	DATE
1	© 2020 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 ANY REQUEST THEREFOR.	
SCALE:	NONE	
DATE:	6/23/2020	
DETAILER:	bconner	
DESIGNER:	bconner	
APPROX WEIGHT:	N/A	
POWER SUPPLY		
PHYSICAL DRAWING		DRAWING NUMBER: 8438-1

**Rating Curve for RoMan 13.6kA40PD , 1 coolant circuits at 1.585 GPM minimum ( 6.0 LPM) per circuit, 100 kVA @ 50% duty cycle and 9 VDC (transformer). 30 C max coolant inlet temp, 10 million weld life expectation at these conditions, Contact RoMan if duty cycle exceeds**

Model Numbers

TDC-8438  
TDC-8553  
TDC-8554  
TDC-8560  
TDC-8561  
TDC-8562  
TDC-8563  
TDC-8714  
TDC-8746  
TDC-8747

