

**FEATURES:**

- \*PROPRIETARY ANTI-BEAM CURL SHIELD FOR LONGER MORE PRODUCTIVE RUNS
- \*RUGGED DRIVE MECHANISM TO PREVENT JAMMING
- \*PLUG-IN EMITTER MODULE
- \*PRLONG SWEEP COIL LIFE, ENHANCED HIGH-STABILITY COOLING
- \*BUILD IN CROSS-CONTAMINATION SHIELDING (MULTI-POCKET VERSION)
- \*EASY ACCESS (WITHOUT DISASSEMBLY) TO MAGNETIC ADJUSTMENTS
- \*ADJUSTABLE POLES TO CHANGE ELECTRON BEAM SHAPE AND SIZE
- \*OPTIONAL INCREASED RUN-TIME FEATURES: DIFFERENTIAL PUMPING, GAS BLEED AND DUAL FILAMENTS


**SPECIFICATIONS:**

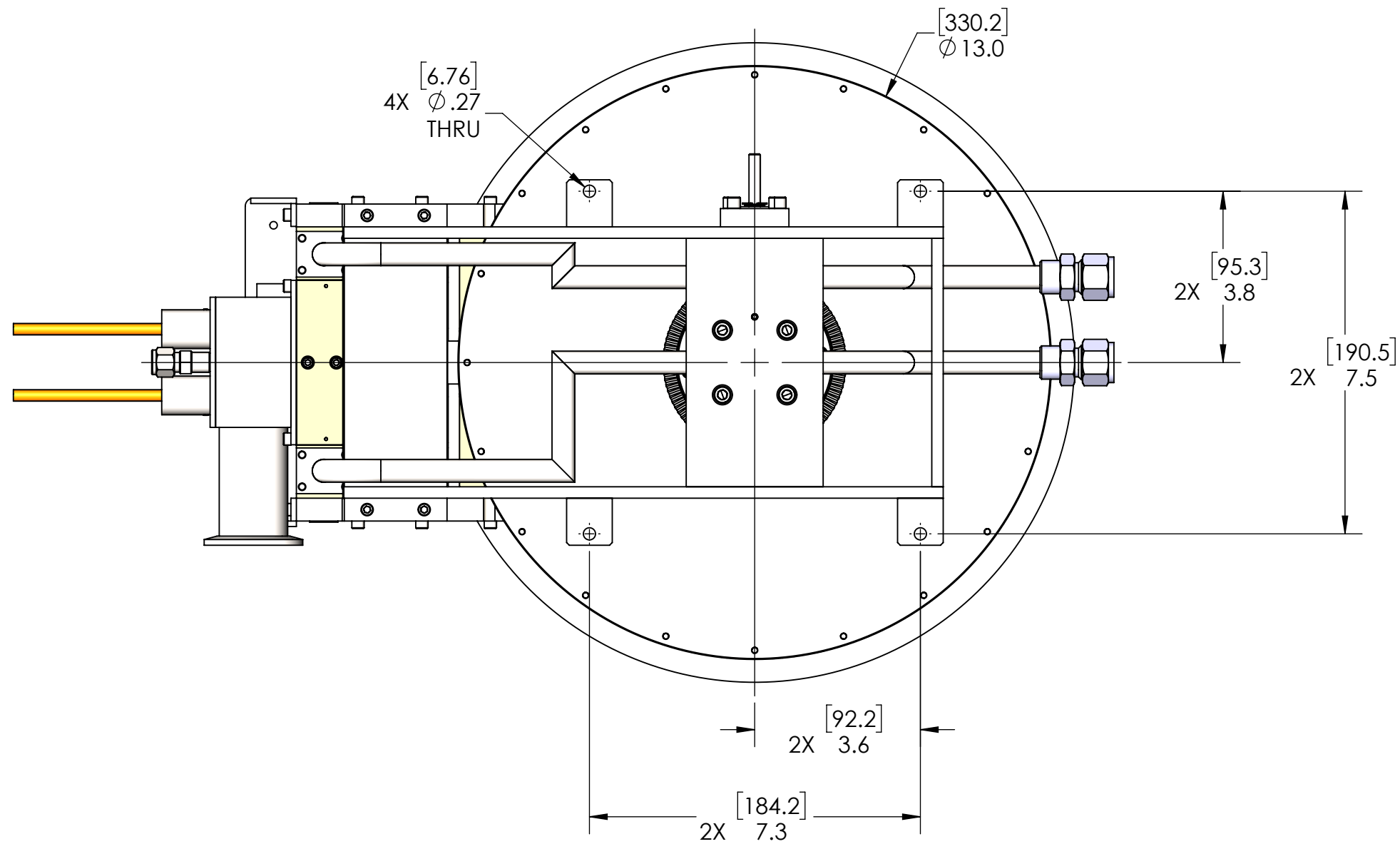
- \*OPERATING PRESSURE: BELOW  $5 \times 10^{-5}$  TORR IS DESIRABLE FOR BEST OPERATION
- \*BEAM VOLTAGE: 10,000 VDC
- \*BEAM CURRENT: 0-1500 mA CONTINUOUSLY VARIABLE
- \*MAXIMUM POWER: 15 kW
- \*COOLING WATER: ~3.5 GPM
- \*PRESSURE DIFFERENTIAL: 25 PSI MINIMUM
- \*CRUCIBLE VOLUME: UP TO 1,500cc CAROUSEL OR UP TO 10X 75cc MULTI-POCKET


**NOTE:**

1. DIMENSIONS IN [X.XX] ARE IN mm.

PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
THERMIONICS LABORATORY, INC. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF  
THERMIONICS LABORATORY, INC. IS  
PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ± .5° ONE PLACE DECIMAL    ± .1 TWO PLACE DECIMAL    ± .01 THREE PLACE DECIMAL ± .005 SURFACE FINISH 63 R.M.S.				FINISH:		<div></div> <div>thermionics laboratory, inc.</div>		DO NOT SCALE DRAWING		REVISION		
								<div>thermionics laboratory inc.</div> <div>3118 Depot Rd., Hayward Ca. 94545</div>				
	NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	TITLE:					
DESIGN/ENG.						GEN. USE	<div>ICR e-GUN, CAROUSEL 867cc</div> <div>OUTLINE DRAWING, PINION DRIVE,</div> <div>4:1 GEAR RATIO</div>					
CHK'D												
APPV'D												
MFG												
Q.A												
					MATERIAL:		DWG NO.				A3	
							ICR-10867-CAR					
					WEIGHT: ~128 lbs.		SCALE: 1:4.5				SHEET 1 OF 2	



DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ± 5° ONE PLACE DECIMAL ±.1 TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005 SURFACE FINISH 63 R.M.S.		FINISH:		 <b>thermionics laboratory, inc.</b>		DO NOT SCALE DRAWING		REVISION	
						<b><i>thermionics laboratory inc. 3118 Depot Rd., Hayward Ca. 94545</i></b>			
	NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	<b>TITLE:</b>  <b><i>ICR e-GUN, CAROUSEL 867cc OUTLINE DRAWING, PINION DRIVE, 4:1 GEAR RATIO</i></b>		
DESIGN/ENG.						GEN. USE			
CHK'D									
APPV'D									
MFG									
Q.A				MATERIAL:		DWG NO.		A3	
						ICR-10867-CAR			
				WEIGHT: ~127 lbs.		SCALE: 1:3		SHEET 2 OF 2	

**PROPRIETARY AND CONFIDENTIAL**  
 THE INFORMATION CONTAINED IN THIS  
 DRAWING IS THE SOLE PROPERTY OF  
 TLI ENTERPRISES, INC. ANY  
 REPRODUCTION IN PART OR AS A WHOLE  
 WITHOUT THE WRITTEN PERMISSION OF  
 THERMIONICS LABORATORY INC. IS  
 PROHIBITED.

WEIGHT: ~127 lbs.

SCALE: 1:3

SHEET 2 OF 2