AIRTRAC®–HP

High Power laser source for designators and other commercial applications while maintaining a compact and efficient design. Introducing the cutting-edge AIRTRAC-HP: Elevate your power expectations while retaining the core advantages synonymous with the AIRTRAC-LP. Experience unparalleled performance potential as we merge high power capabilities with the hallmark features that define AIRTRAC technology.

Key Features

- High Powered AIRTRAC Design
- High power draw efficiency
- No significant warm-up time
- Reduced heat-load
- Capable of continuous operation
- Shock & vibration hardened
- Customer-specific packaging available
- Wavelength 1064nm
- Weight with electronics <515g
- Energy up to 120mJ

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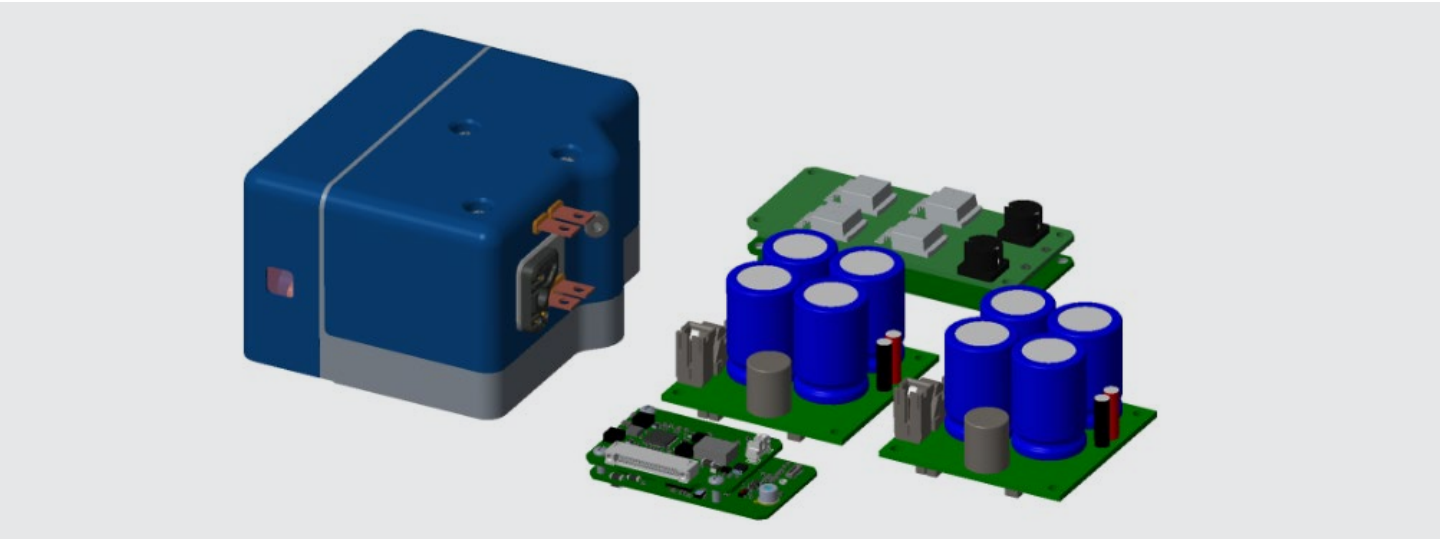
AIRTRAC®–HP

Parameter	Range			Comments
	Min	Typical	Max	
Weight		515 g		AIRTRAC-HP with electronics
Wavelength		1.064 um		
Output Energy per Pulse		>120 mJ		
Pulse Width		10 ns to 25 ns		
Beam Divergence		< 250 urad		With a 6X beam expander. Other beam expanders are available
Beam Jitter		< 25 urad		< 1/10 beam divergence with a 6X beam expander
Rep Rates		0 Hz to 25 Hz		
Pulse to Pulse Energy Stability		< 10% typ		
Secondary Pulses		None		
Average Standby/Arm Power		< 5 W		
Average Power Draw (total)	< 24 W	< 45 W	< 60 W	Values taken at 24 VDC and across pulse frequencies of 7Hz to 20Hz
Peak Current	5.3 A	5.4 A	5.5 A	Values taken at 24 VDC and across pulse frequencies of 7Hz to 20Hz
Operational Temp Range		-30C to +70C		
Storage Temp Range		-40C to +85C		



Electronics and laser cavity are at the same scale.

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