



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
- Wavelength 1064nm
- Weight with electronics <515g
- Energy up to 120mJ
- Customer-specific packaging available

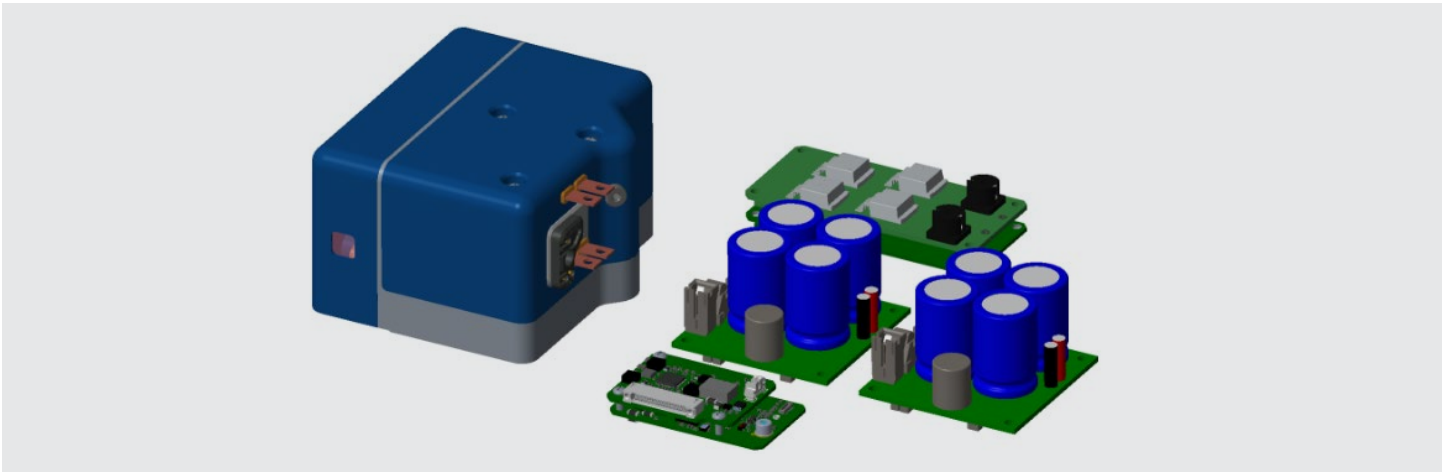


POC: | Airtrac.Sales@arete.com
Business POC: Jay Rouse, (571) 255-4035 | jrouse@arete.com
Areté | 9301 Corbin Ave. Northridge, CA 91324 | arete.com
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AIRTRAC®-HP

Parameter	Range			Comments
	Min	Typical	Max	
Weight	628 g			Weight includes Electronics and Telescope
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 +65C			Verified energy across entire temperature range
Storage Temp Range	-40C to +80C			
Mechanical Vibration	Complies with MIL-STD-810G			Testing performed with MIL-STD 810G-Change 1, Method 514.7, Category 24
Thermal Shock	Complies with MIL-STD-810G			Testing performed with MIL-STD 810G, Method 503.6, Procedure I-B



Electronics and laser cavity are at the same scale.

