

Solid State ND:YAG Diode Pumped Pulsed Laser

ARCHIMED100 CST

Description

Archimed100 CST is a solid state ND: YAG pulsed diode-pumped laser designed for mobile climatic applications. The laser can be configured in accordance with customer needs and easily integrated into any complex systems.

Features

- Laser head and power supply in one housing
- Air cooling
- Handy and informative remote control
- Interface USB, Ethernet

Applications

Spectroscopic and distance measuring complexes, different scientific and industrial systems, LIDAR.

SPECIFICATION*

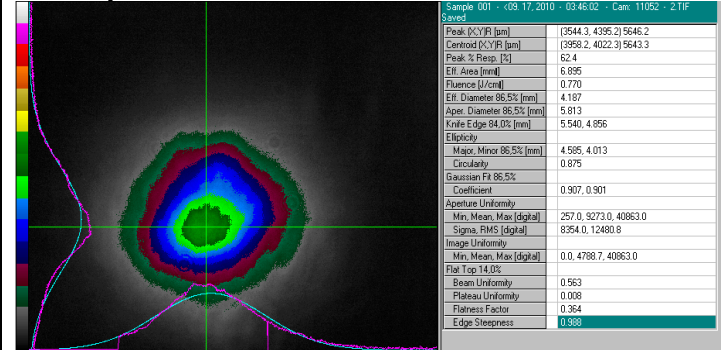
Wavelength (nm)	1064	532	355
Pulse repetition rate (Hz)	1-30		
Energy per pulse (mJ)	100	50	15
Beam divergence (mrad)	<1,2		
Shot-to-shot instability (%)	1.4	1.8	2.5
Power drift (%/hour)	1.5	1.9	2.7
Pulse duration (ns)	9-11	8-10	7-9
Time jitter rms (ns)	≤ 1		
Beam diameter (mm)	≤ 5,0		
Beam Profile	MM**		
Polarization	100:1		
Power requirements:			
Voltage (VAC)	90-220		
Current (A)	≤5		
Frequency (Hz)	50-60		
Air cooling for power supply and laser head.			

* Parameters specifications are valid at room temperature 15- 35 ° C.

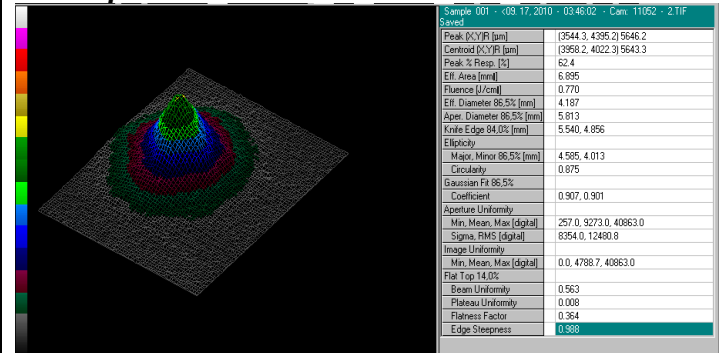
** Multimode regime.



Beam profile 2D.



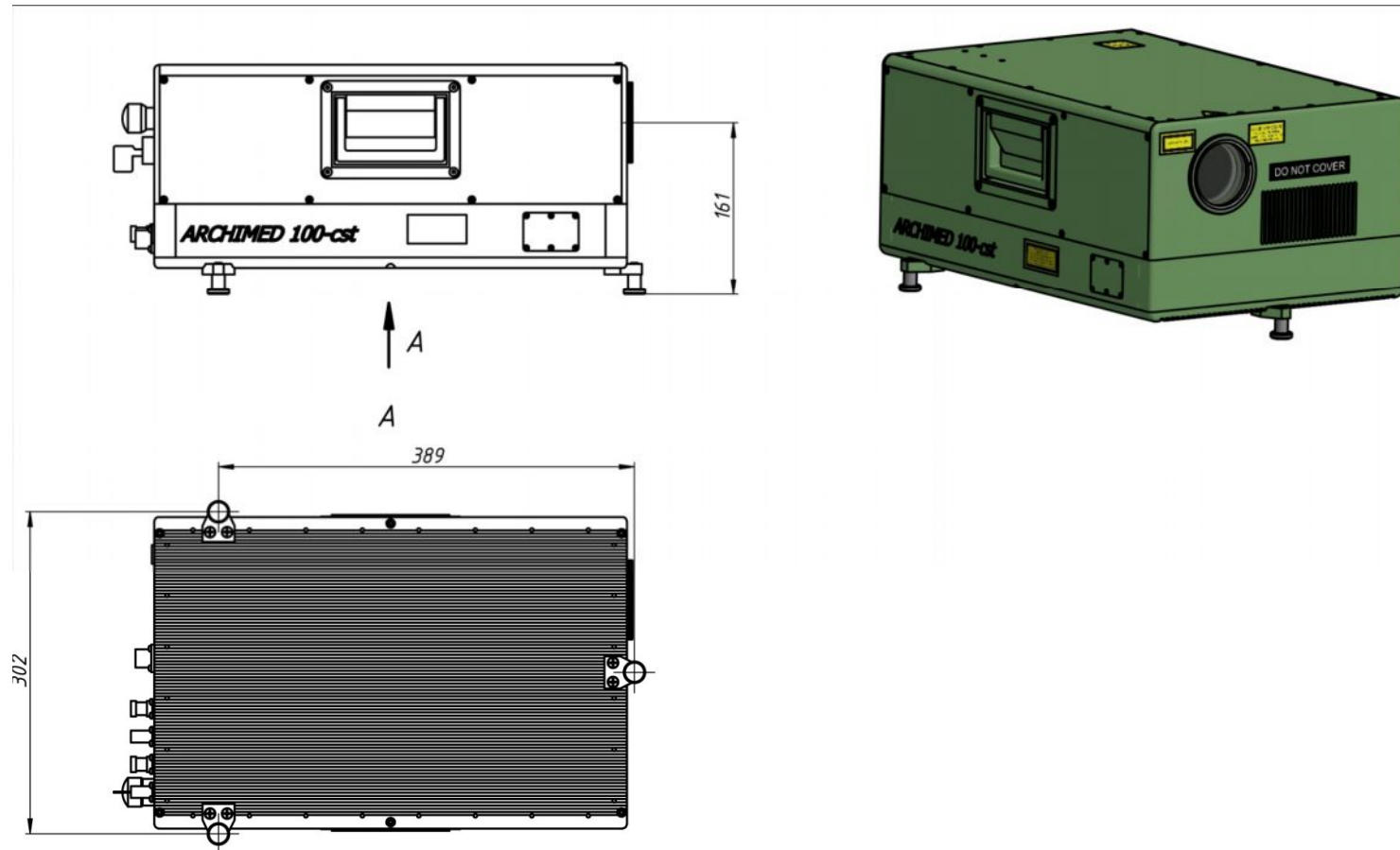
Beam profile 3D.



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PHYSICAL CHARACTERISTICS.

Laser. Weight 24 kg



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