

## Nitrogen Lasers

<b>Model</b>	<b>AIL-0.5</b>	<b>AIL-3</b>	<b>LGI-511</b>
<b>Emission Wavelength, um</b>	0.337	0.337	0.337
<b>Emission Pulse Energy, uJ, not less</b>	2.5	30	240
<b>Emission Pulse Power, kW, not less</b>			30
<b>Average Emission Power, mW, not less: With Air Cooling With Water Cooling</b>	0.5	3	240
<b>Spectral Structure</b>	TEM <sub>00</sub>	TEM <sub>00</sub>	TEM <sub>mn</sub>
<b>Pulse frequency: With Air Cooling With Water Cooling</b>	1-200	1-100	1-1000
<b>Pulse Width, ns</b>	5	5	6-8
<b>Beam Diameter, mm, not more</b>	1.5	2	5
<b>Beam Divergence, mrad, not more</b>			12
<b>Relative Power Instability, %, not more</b>			10
<b>Power Supply, V/Hz</b>	24 V	220 V	220±10%/50
<b>Power Consumption, kW, not more</b>	20	50	1.5
<b>Operation Temperature, °C</b>	0...+40	0...+40	+ 10...+40
<b>Cooling</b>	Air Convictional	Air Convictional	Water
<b>Guarantee Operation Time, h, not less</b>	500	500	500
<b>Average Operation Time, h, not less</b>	5000	5000	5000
<b>Dimensions, mm, not more: Laser Head Power Supply</b>	200x130x70	590x255x155	1140x525x345
<b>Mass, kg, not less Laser Head Power Supply</b>		10	105

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