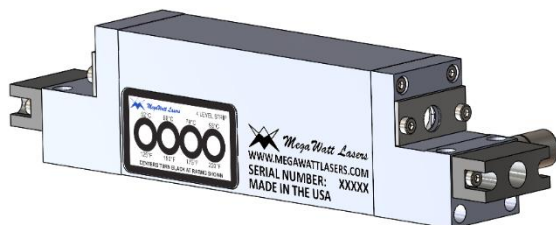


High Energy 1.064 μ m SOLID-STATE Pump Chambers



Neodymium	
60	144.242
Nd	
[Xe] 4f ⁴ 6s ²	
185 pm	533.1 kJ·mol ⁻¹
3	7010 kg·m ⁻³
1.14	1024/3074 °C

Parameter	Value	Notes
Wavelength	1.064 μ m	
Resonator Output	125 J	@0.1Hz & 25ms
Lamp Voltage	620 V	@25ms
Pulse Width	25 ms	
Coolant Temp	20°C	Typical (deionized H2O)
Coolant Flow Rate	8-10 Liters/min	Configuration dependent



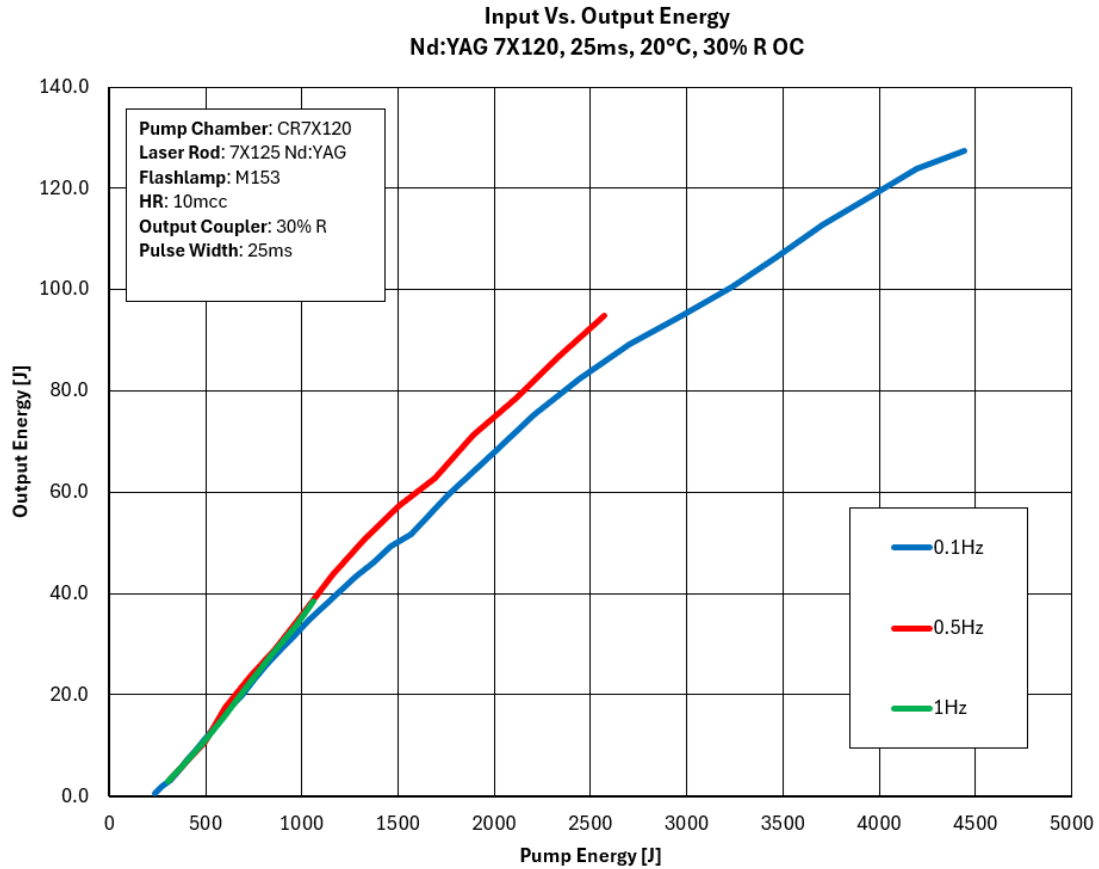


Table of Componets Used During Testing

Part #	Value
CR7X120	Pump Chamber
Laser Rod	Nd:YAG laser rod, 7X125 Flat/Flat
M153	Flashlamp
C1933	HR mirror, Ø 1" x ¼ in thick
C1934	OC mirror, R=30%, Ø 1" x ¼ in thick