

Model 306-400

High Power Pulsed Nd: YAG Laser



The 306 Series Pulsed Nd: YAG Laser is designed with a small beam diameter and a low beam divergence to deliver exceptionally high brightness for precision drilling, cutting, and welding applications.

Performance	
Wavelength	1064 nm
Maximum Average Power	400 watts
Maximum Energy Per Pulse	60 J
Repetition Rate	0-200 Hz
Pulse Width	0.2 -20 ms
Beam Diameter	6.3 mm
Beam Divergence	2 –8 (mr-full angle)
Mode Structure	multimode
Input Power Requirements	
Voltage	208/230/480 V, 3 Φ , 50 – 60 Hz
Power Consumption	24 KW (Peak)
Cooling Water Requirements	
Temperature	< 50°F.
Flow	6 gal/min
Pressure	40 – 100 psi
Dimensions	
Optical Assembly	46" (L) x 10" (W) x 9" (H)
Power Supply	22" (W) x 33" (D) x 47" (H)

- Touch Screen Controller provides ease of programming.
- Simmer Mode Power Supply provides extended lamp life and improved pulse-to-pulse stability.
- High Efficiency Cooler with Proportioning Valve Control maintains even rod and lamp temperatures for better stability.
- Available with Conventional, Fiber Optic, or Galvanometer Beam Delivery.
- Fiber Optic Beam Multiplexer available for time or beam sharing output.

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