



Diode-Pumped Pulsed Nd:YAG Laser

Model LDPP-200M

(Preliminary)

An innovative, diode-pumped Nd:YAG laser designed specifically for light-duty cutting and drilling applications that require up to 200 Watts average power. Another highly-reliable, industrial-grade Nd:YAG laser product from Lee Laser.

- Ultra-fast pulse rise- and fall-times for HAZ-free cutting and drilling applications
- 9,500-pps pulse rate for high production throughput
- Programmable microprocessor controller to select internal performance parameters
- Interface circuit for computer control of pulse energy, pulse width and pulse rate
- "CE Mark" Certified; this is a CDRH Class IV laser product

Wavelength	1064 nm
Transverse Mode	Multimode
Beam Diameter	< 2.5 mm
Beam Divergence (full angle) nominal	10 mr at 200 Watts
Polarization	Random

Performance

Average Power, maximum	200-Watts
Pulse Rate, maximum	9500 pps
Pulse Energy, maximum	> 200 mj
Pulse Width Range	1-200 μ s

Average Power (Watts) at Pulse Frequency (kHz):

	1.0 kHz	2.0 kHz	3.0 kHz	4.0 kHz	5.0 kHz	7.0 kHz
Pulse Width						
10- μ s						85
20 μ s		35				
35 μ s					200	
50 μ s		115		> 200		
65 μ s			> 200			
100 μ s	115	> 200				
200 us	200					

Mechanical

Optical Rail Length, (options dependent)	130 cm
Power Station Dimensions	77H x 60W x 85D cm (with water/water cooler)

Electrical Power

Recommended Service	220 \pm 10% VAC, 1-phase, 50/60 Hz, 30A
Maximum Consumption	4.5-kW

Water

City water cooled, 24 l/m @ 15° C max.

Environmental

Temperature, Operating	18 - 30°C
Temperature, Storage	5 - 60°C
Humidity	10 – 90%, non-condensing



Lee Laser follows a policy of ongoing continuous improvement. Specifications are subject to change without notice.

