



## HIGH POWER, DIODE-PUMPED CW Nd:YAG LASER

### MODEL LDP-300MQ (HP)

An innovative laser optics design, combined with an industrial-grade power supply, results in an extraordinarily reliable and rugged diode-pumped Nd:YAG laser for industrial use. A TOTALLY SOLID-STATE LASER for TROUBLE-FREE MANUFACTURING !

- Efficient diode optical pumping for improved performance and reliability
- Highly circular multimode beam profile
- Q-switched pulse stability < 3 % rms up to 15 kHz
- Efficient water/water heat exchange cooling system
- "CE Mark" Certified; this is a CDRH Class IV laser product.

Wavelength	1064 nm
Transverse Mode	Multimode
Beam Diameter, nominal	3.5 mm
Beam Divergence (full angle), nominal	12 mrad
Beam Quality (M <sup>2</sup> ) Value	31
Polarization	Random

#### Q-switched (pulsed) Performance

Frequency (kHz)	CW	10	20
Average Power (Watts)	300	225	240
Pulse Width, nsec (nominal)		100	160
Peak Pulse Power, kW		225	75

#### Mechanical

Optical Rail Length, options dependent	131 cm, options dependent
Power Station Dimensions	77H x 60W x 85D cm ( water / water )

#### Electrical Power

Recommended Service	220 ± 10% VAC, 1-phase, 50/60 Hz, 30A
Average Consumption	3.5 kW, maximum

#### Water

Internal, water/water cooler	City water cooled, 24 l/m @ 15° C max temp
------------------------------	--

#### Environmental

Temperature, Operating	18 - 35°C, water-cooled only
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.*

