

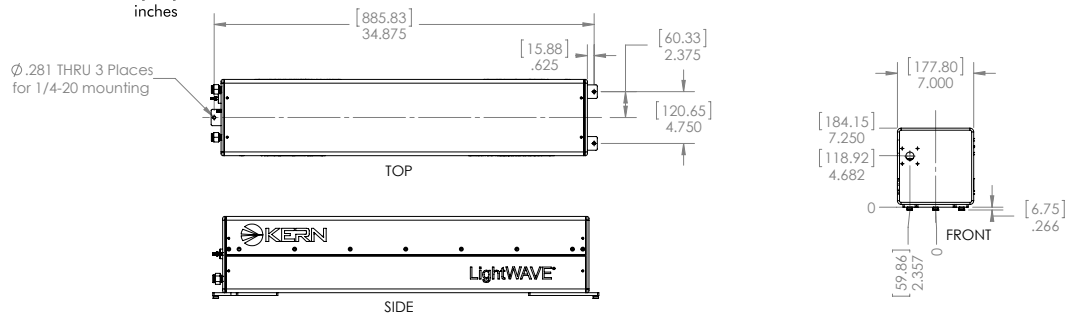


The LightWAVE® is the next generation of CO2 lasers delivering outstanding performance and low maintenance costs. An integrated RF power supply, circular polarizer, beam collimator and red beam ensure a compact design. The sealed cavity design ensures a long lifetime between gas recharges minimizing maintenance and service costs. LightWAVE® lasers are the perfect choice for processing of light gauge metal, plastics, wood and natural stone.

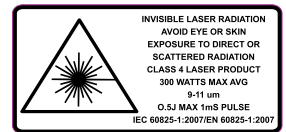
KT 100 150 200 LASERS

MECHANICAL CONFIGURATION

Dimensions are in [mm]
inches



**CUSTOM LASERS AVAILABLE.
PATENTS PENDING.**



LASER SPECIFICATIONS

	KT100	KT150	KT200
Wavelength	10.4 to 10.8 μ m		
Output Power	> 100 watts	> 150 watts	> 200 watts
Peak Effective Power	> 200 watts	> 250 watts	> 300 watts
Pulse Rise/Fall Time	50 μ s		
Power Stability ¹	\pm 5%		
Mode Quality	$M^2 < 1.2$		
Beam Diameter	10mm		
Beam Divergence (Full Angle)	1 mrad		
Polarization	Circular		
Weight	42 lbs		
Dimensions	35" x 7" x 7.25"		

ELECTRICAL REQUIREMENTS

DC Input Voltage / Max Current	44V/63A
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COOLING

Type	Water
Heat Load	2.4Kw
Flow Rate	1.5 GPM

ENVIRONMENTAL

Ambient Temperature	50-100 °F
Relative Humidity	<95% non-condensing

¹After 10 minutes at 70% duty cycle