

ECLIPSE - Nd:YAG LASER Specification Sheet

Dimensions

Laser Chassis
 203mm W x 230mm H x 1420mm L
 Laser Power/DI Water Supply Cabinet
 610mm W x 686mm H x 762mm D
 Umbilical Length 3 metres (detachable)

Specifications

Type Nd: Lamp-pumped YAG
 Wavelength 1064 Nm
 Average Power 100 Watts
 Mode Q-Switched or CW
 (Continuous Wave)
 Q-Switch Frequency 0 to 100 KHz
 Marking Speed .5 to 5000mm/sec
 Marking Fields Several Available
 Electrical 3 Phase.230V.50-60Hz nominal
 Total Power Consumption 7.5 KVA
 Classification Class4 (Can be supplied
 in a TELESIS Class 1 Workstation)
 Internal DI Water Requires 19 Litres,
 Steam distilled
 External Cooling Water 19 litres/min 10-18 degC

All Marking Head Components and Assembly Warranted for One Year

Lens Configurations Available

Focal Length	Marking Field	Work Clearance
100mm	45mm x 45mm	97mm
160mm	90mm x 90mm	176mm
163mm	110mm x 110mm	185mm
254mm	155mm x 155mm	296mm
* 330mm	215mm x 215mm	387mm
* 420mm	275mm x 275mm	493mm

* Application Dependent

Laser Controller/ DI Water Cabinet Features

Compact, "All in One Design" Mounted on Casters
 Slide-out DI Water System / DI and Particle Filters
 Flow, Temperature and DI Sensors
 Keyswitch and E-Stop with Manual Shutter Control
 1 ST Pulse Suppression Circuitry