



Azure 266

CW Deep-UV Laser

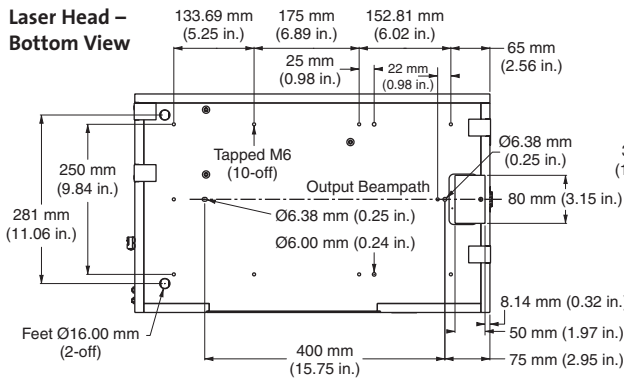
Features

- 266 nm CW, ultra low noise
- Hands-free, easy to integrate
- Long lifetime, >6250 hrs.

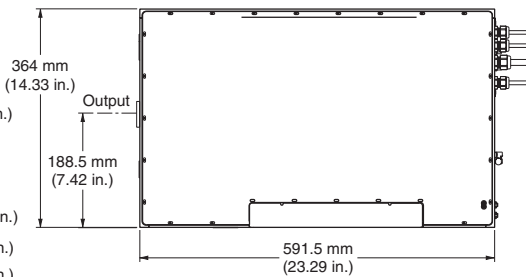


Mechanical Specifications

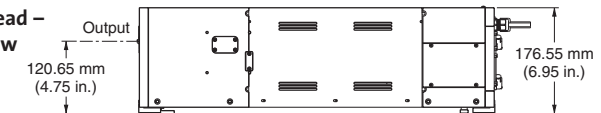
Laser Head – Bottom View



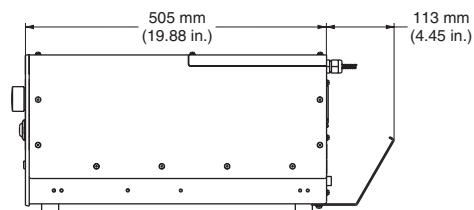
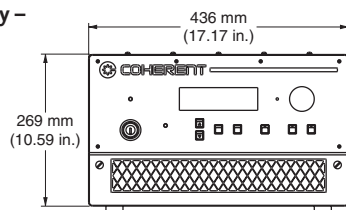
Laser Head – Top View



Laser Head – Side View



Power Supply – Front View



Power Supply – Side View

Superior Reliability & Performance

Azure™ 266

CW Deep-UV Laser

System Specifications

Wavelength (nm)	266
Power (mW)	230
Specifications Satisfied At (mW)	100 to 230
Beam Waist Size Diameter (mm)	1.05 ±0.2
Beam Waist Location	Front bezel ±25% of Rayleigh range
Beam Divergence (mrad)(full-angle)	<0.42
Ellipticity	0.9 to 1.1
Astigmatism	±25% of Rayleigh range
Pointing Stability (μrad/°C)	±5
Transverse Modes/Beam Profile	TEM ₀₀ , M ² _x <1.3, M ² _y <1.3
Polarization	Vertical, linear, 200:1
Output Power Stability	<1% over 8 hours
RMS Noise	<0.3% between 10 MHz and 100 MHz
Peak-to-Peak Noise	1.5% for 1 sec. between 10 MHz and 100 MHz
Warm-Up Time ¹	
Cold Start	<2 hrs.
From Standby	<5 min.
From Crystal Shift	<2 min.
Cool-Down Time	45 min.

Utility and Environmental Requirements

Head Dimensions	367 x 592 x 177 mm (14.4 x 23.3 x 7.0 in.)
Head Weight	48 kg (105.6 lbs.)
Umbilical Length	3.8 m (12.5 ft.)
Power Supply Dimensions	235 x 505 x 254 mm (9.3 x 19.9 x 10.0 in.)
Power Supply Weight	31.5 kg (69.3 lbs.)
Chiller Dimensions	203 x 274 x 378 mm (8.0 x 10.8 x 14.9 in.)
Chiller Weight	11.3 kg (24.9 lbs.)
MRU (Miniature Recirculator Unit) Dimensions	478 x 491 x 95 mm (18.8 x 19.3 x 3.7 in.)
MRU (Miniature Recirculator Unit) Weight	12.0 kg (26.5 lbs.)
Operating Thermal Requirements	+15 to +30°C operating, stabilized to ±2°C in a non-condensing environment
Laser Head	Closed-loop chiller for baseplate
Power Supply	Air-cooled
Shipping Thermal Requirements	-20 to +50°C shipping in a non-condensing environment
Orientation	Horizontal ±2°
Power Supply (VAC)	100 to 240
Azure Power Consumption (kW)	1
Chiller Power Consumption (kW)(max.)	0.6
Computer Interface	RS-232

¹ Defined as time to meet specifications (power, pointing stability, noise, etc.).

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Azure systems. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.



www.Coherent.com

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