

# ATLEX-L Series

New industrial excimer lasers

## Key Features:

- TMC (Total-Metal-Ceramic) Vessel
- Corona Preionization
- Solid State Switch
- Extended Dynamic & Static Gas-Lifetime (Several Months)
- Laser Head Volume 6 l
- Air cooled / Optional liquid cooled
- Flushable Optics Holder
- Integrated 4-Valve System for Easy Gas Handling
- Modular Design / Service Friendly
- RS485, RS232, USB and FOC Interface for System Integration
- Meets European CE Standard, RoHS Compliant



## Technical Data

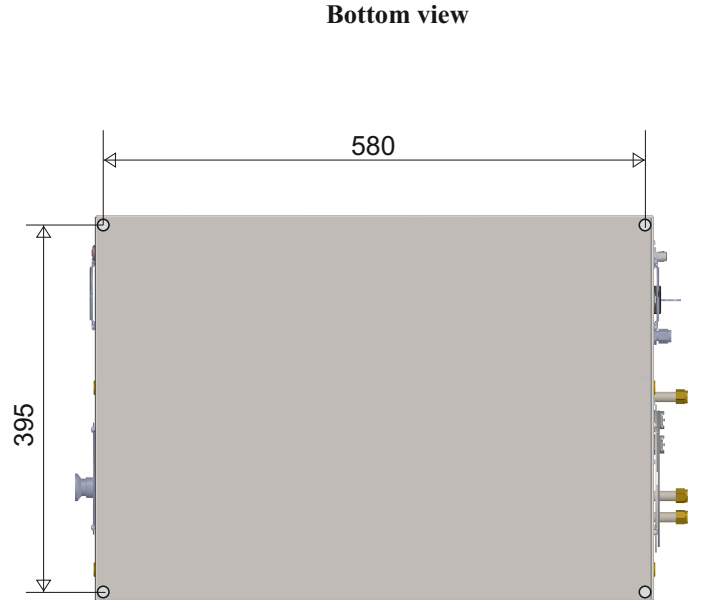
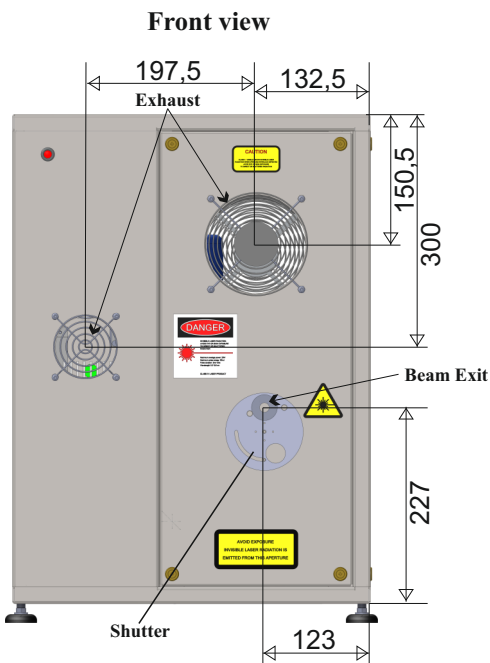
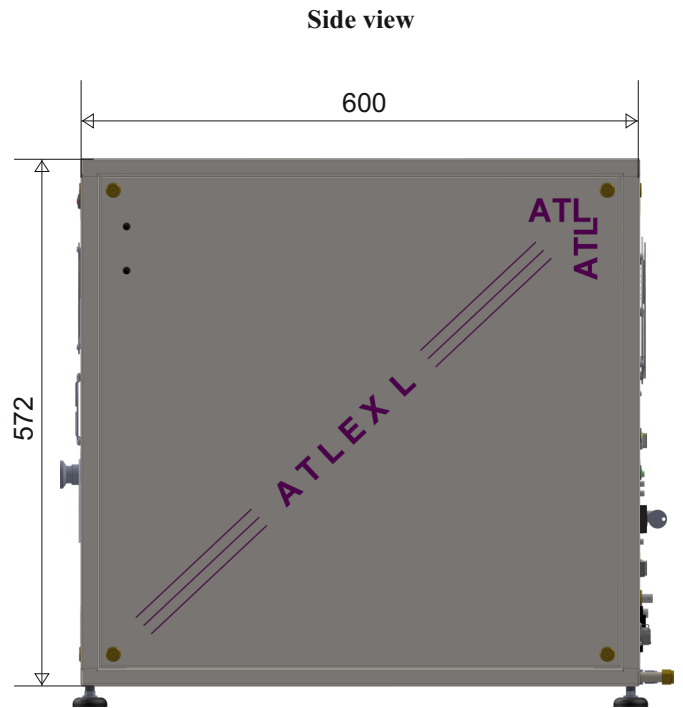
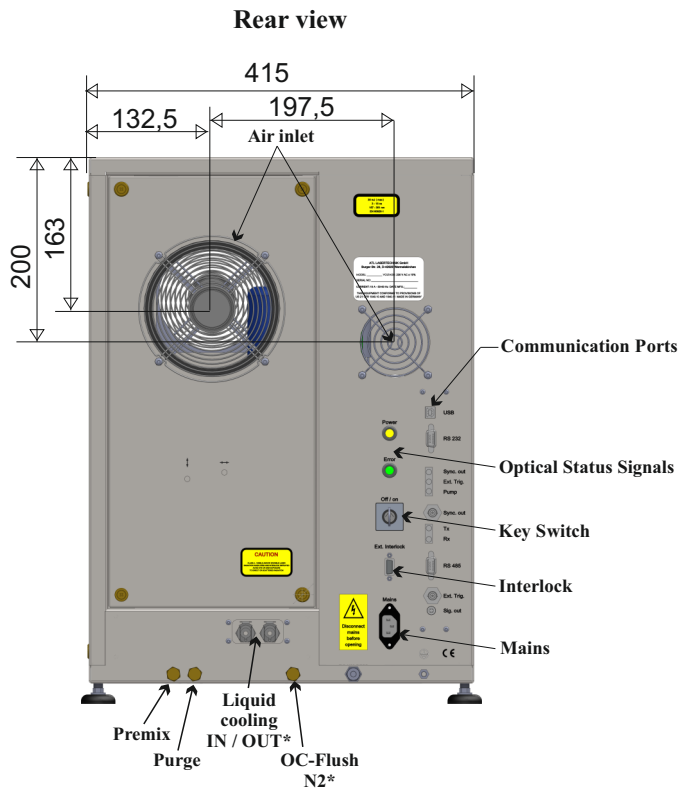
Gas Medium	ArF	KrF	Units
Wavelength	193	248	nm
High Voltage Switching Technique	Solid State Switch		
Maximum Pulse Energy <sup>1)</sup>	8	15	mJ
Stabilized Pulse Energy	4	8	mJ
Stabilized Average Power			
ATLEX-500-L	2	4	W
ATLEX-1000-L	4	8	W
Max. Rep. Rate			
ATLEX-500-L	500		Hz
ATLEX-1000-L	1000		Hz
Pulse Duration <sup>2)</sup>	5 - 8		ns
Beam Dimensions <sup>2)</sup> (V x H)	6 x 4		mm
Beam Divergence <sup>2)</sup> (V x H)	2 x 1		mrad
Energy Stability (Stand. Dev.)	< 3		%
Dimensions (L x W x H)	600 x 415 x 572		mm
Weight	80		kg
Cooling	Air / Liquid		
Power Requirements	230 VAC / 10 A / 50-60 Hz / 1 Phase		

All specifications are typical data and subject to change without notice due to product improvements.

<sup>1)</sup> Measured at 20Hz; allow 10% reduction of output energy and power for laser equipped with stabilization mode

<sup>2)</sup> Typical Value, FWHM

# ATLEX-L Series Dimensions



\*Optional

All dimensions in mm

ATLEX-L complies with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health.

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Visible and invisible Laser Radiation. Avoid eye or skin exposure to direct or scattered Radiation. CLASS IV Laser radiation product per EN60825-1 (1994).