

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

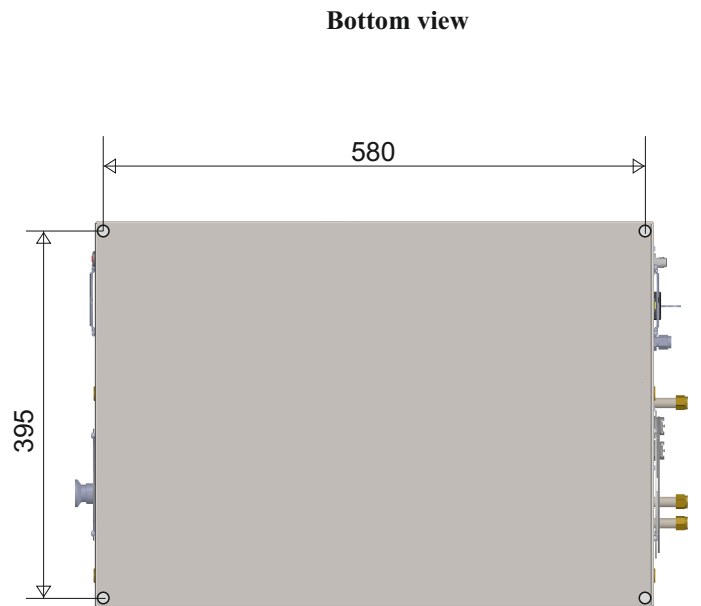
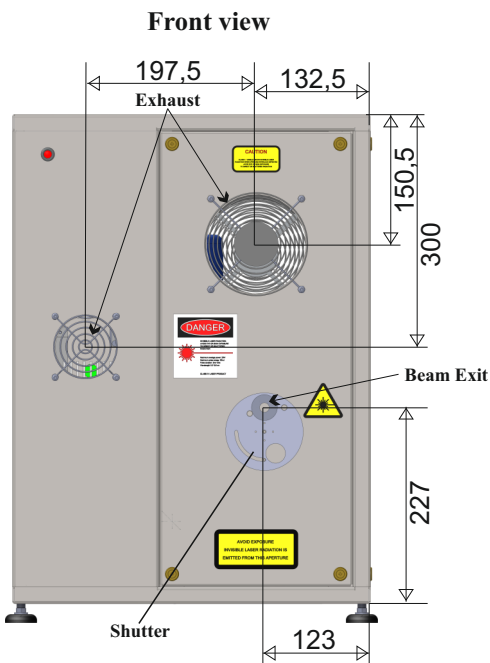
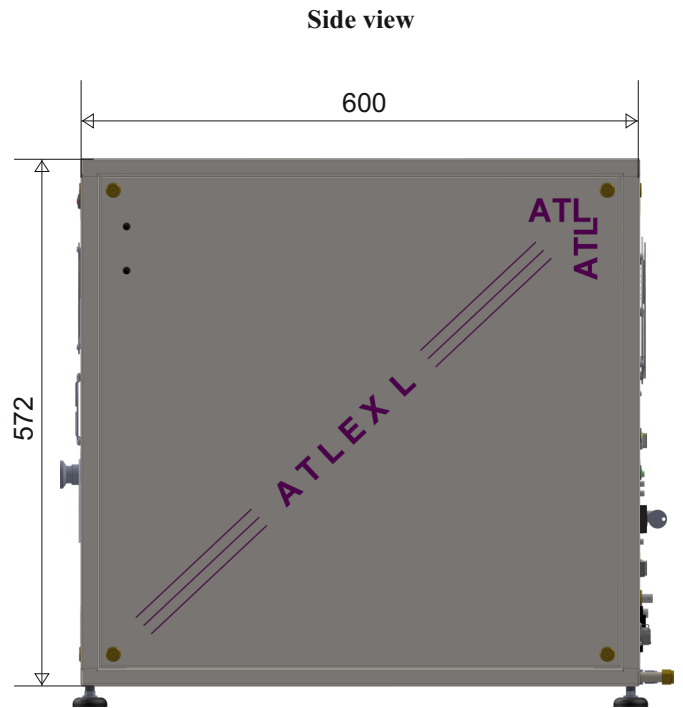
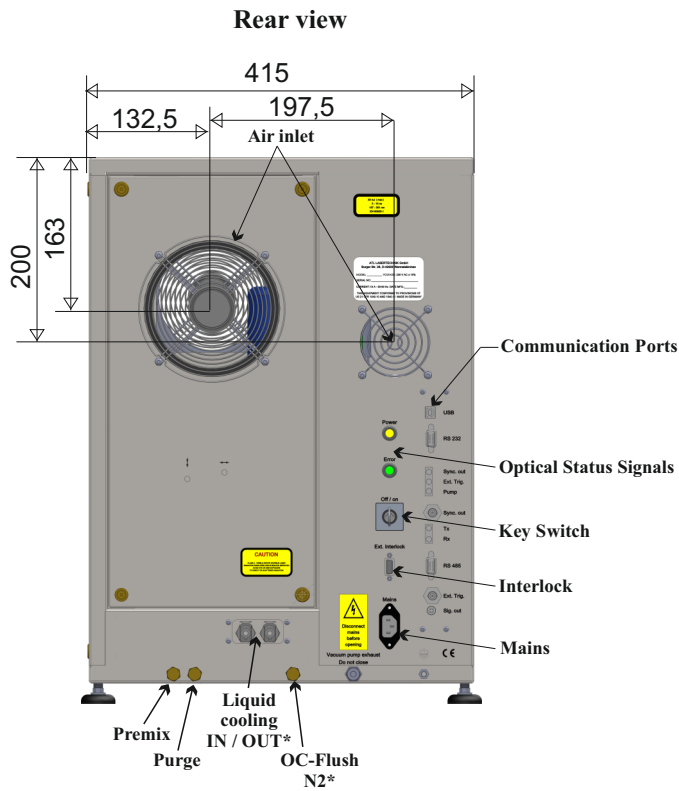
Gas Medium	F ₂	Units
Wavelength	157	nm
High Voltage Switching Technique	Solid State Switch	
Maximum Pulse Energy ¹⁾	1	mJ
Stabilized Pulse Energy	0.5	mJ
Stabilized Average Power		
ATLEX-500-L	0.25	W
ATLEX-1000-L	0.5	W
Max. Rep. Rate		
ATLEX-500-L	500	Hz
ATLEX-1000-L	1000	Hz
Pulse Duration ²⁾	5 - 8	ns
Beam Dimensions ²⁾ (V x H)	6 x 4	mm
Beam Divergence ²⁾ (V x H)	2 x 1	mrad
Energy Stability (Stand. Dev.)	< 2	%
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.

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

²⁾ 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).