

ATLEX-L Series

New industrial excimer lasers



Key Features:

- TMC (Total-Metal-Ceramic) Vessel
- Solid State Switch
- Extended Dynamic & Static Gas-Lifetime
- Laser Head Volume 6 l
- Air-Cooling, optional Liquid Cooling
- 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	Solid State Switch	
Max. Pulse Energy ¹⁾	10	15	mJ
Max. Average Power ATLEX-500-L ATLEX-1000-L	4.0 8.0	6.5 10.0	W W
Max. Rep. Rate ATLEX-500-L ATLEX-1000-L	500 1000		Hz 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 567		mm
Weight	70		kg
Cooling	Air (Liquid optional)		
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 low rep. rates; allow 10% reduction of output energy and power for laser equipped with stabilization mode

²⁾ Typical Value, FWHM

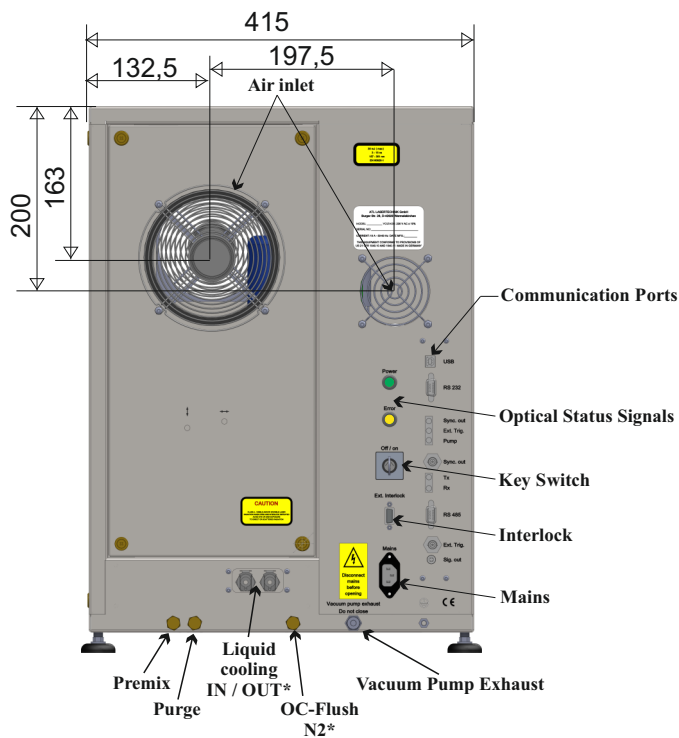
ATL LASERTECHNIK

Advanced Technology Lasers

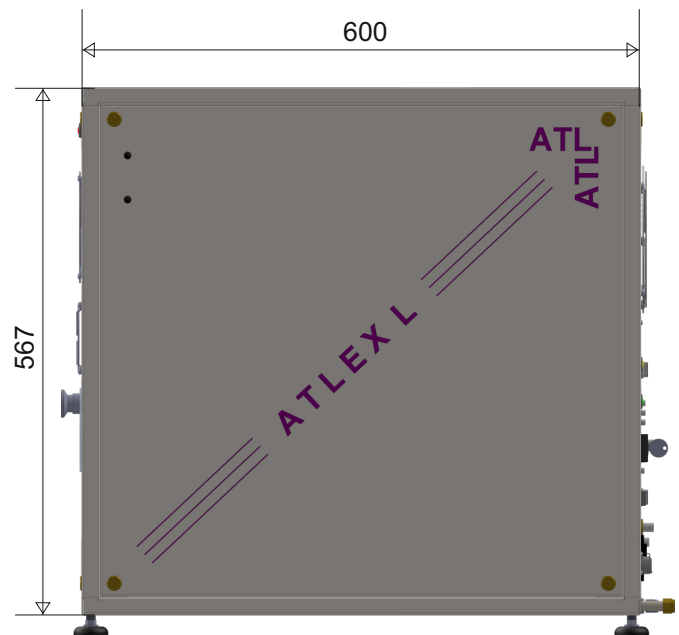
ATLEX-L Series Dimensions

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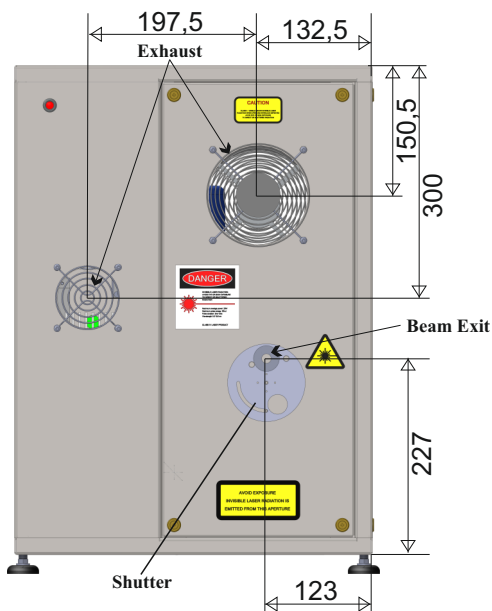
Rear view



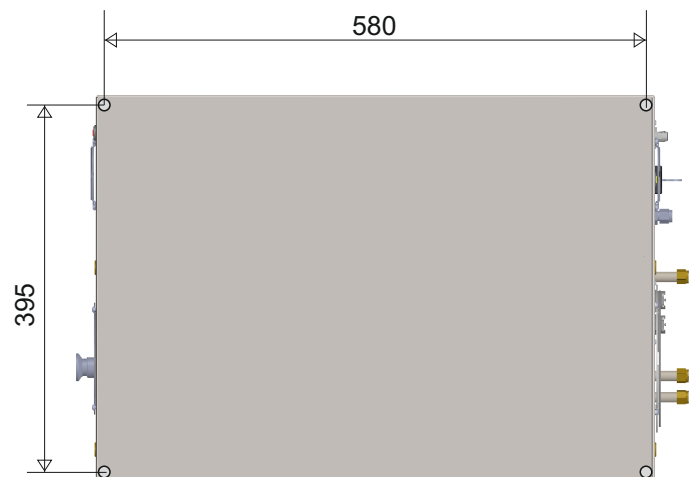
Side view



Front view



Bottom view



*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).