

ATLEX-I Series



New generation of compact powerful air-cooled excimer lasers for scientific, medical and industrial applications.

Key Features:

- TMC (Total-Metal-Ceramic) Vessel
- Corona Preionization
- Solid State Switch
- Laser Head Volume < 3 l
- Air-Cooled, Thermal Management
- Flushable Optics Holder
- Integrated 4-Valve System for Easy Gas Handling
- RS485, RS232, USB and FOC Interface for System Integration
- Energy Stabilization Mode
- Meets European CE Standard, RoHS Compliant



Technical Data

Gas Medium	F ₂	ArF	KrF	XeCl	XeF	Units
Wavelength	157	193	248	308	351	nm
High Voltage Switching Technique	Solid State Switch					
Max. Pulse Energy ¹⁾	1	10	15	8	7	mJ
Max. Average Power						
ATLEX-300-I	0.2	2.4	4.0	2.0	1.7	W
ATLEX-500-I	0.5	4.0	6.5	3.0	2.5	W
Max. Rep. Rate						
ATLEX-300-I	300					Hz
ATLEX-500-I	500					Hz
Pulse Duration ²⁾	5 - 8					ns
Beam Dimensions ²⁾ (V x H)	4 x 6					mm
Beam Divergence ²⁾ (V x H)	1 x 2					mrad
Energy Stability (Stand. Dev.)	< 3					%
Dimensions (L x W x H)	540 x 470 x 370					mm
Weight	60					kg
Cooling	Air					
Power Requirements	230 VAC / 6,3 A / 50-60 Hz / 1 Phase					

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

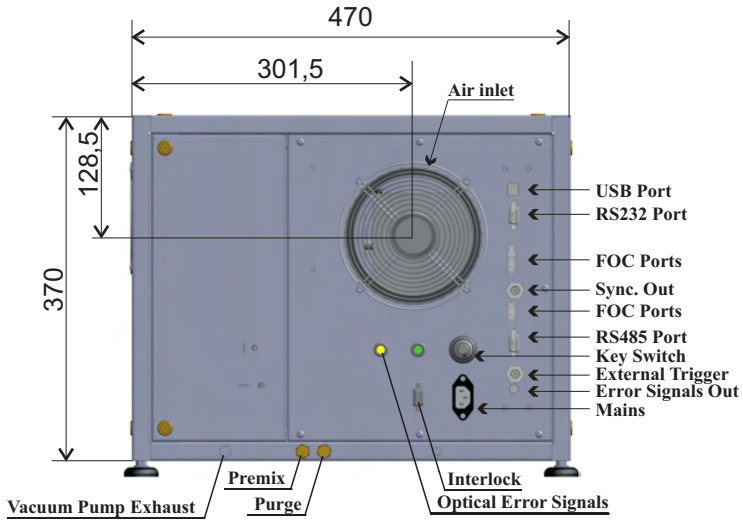
¹⁾ measured at low rep. rates; allow 10% reduction of output energy and power for laser equipped with stabilization mode

²⁾ Typical Value, FWHM

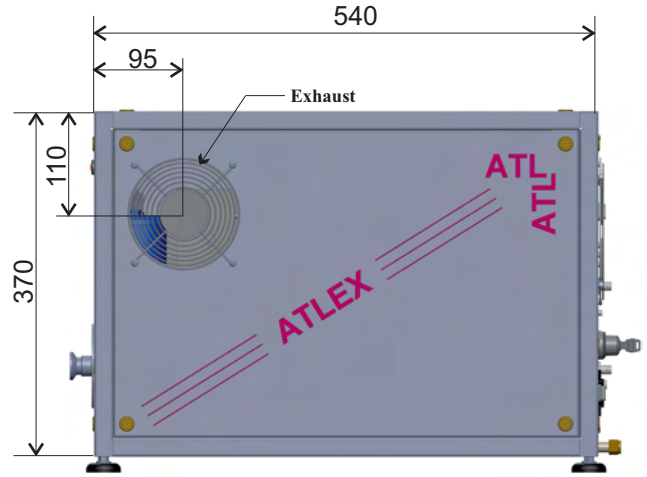
ATLEX-I Series Dimensions



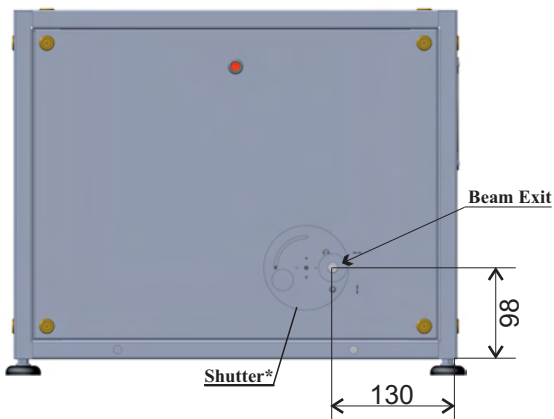
Rear view



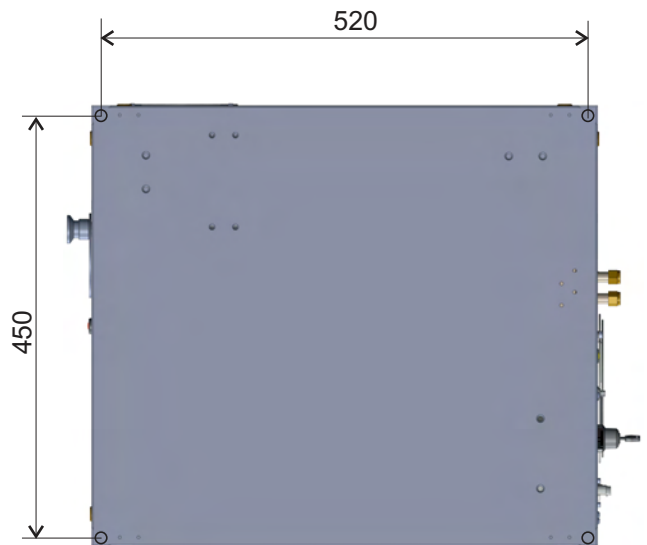
Side view



Front view



Bottom view



*Optional

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



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