

## Standard HEGOA IR GR and UV specifications: 50 ps

## • Laser characteristics

	HEGOA IR60-50P	HEGOA G30-50P	HEGOA UV15-50P
Average Power	60 W @ 1.5MHz	30 W @ 1.5MHz	15 W @ 1.5MHz
Pulse rate frequency	Single shot to 3 MHz	Single shot to 3 MHz	Single shot to 3 MHz
Pulse energy	40 μJ up to 1.5 MHz	20 μJ up to 1.5 MHz	10 μJ up to 1.5 MHz
Pulse duration	50 ps	50 ps	50 ps
M²	<1.2	<1.2	<1.2
Wavelength	1030 nm	515 nm	343 nm
Beam size ( diameter at 1/e²)	TBD	TBD	TBD
Beam divergence (half angle)	TBD	TBD	TBD
Average Power stability over 8h (RMS 1σ)	3%	3%	3%
Polarization	>99% linear	>99% linear	>99% linear

## Operating conditions

Temperature	15°C – 35°C
Humidity	RH < 90° non condensing

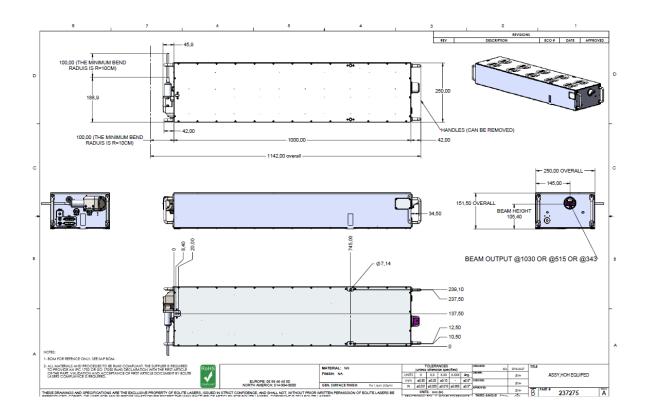
## • General characteristics

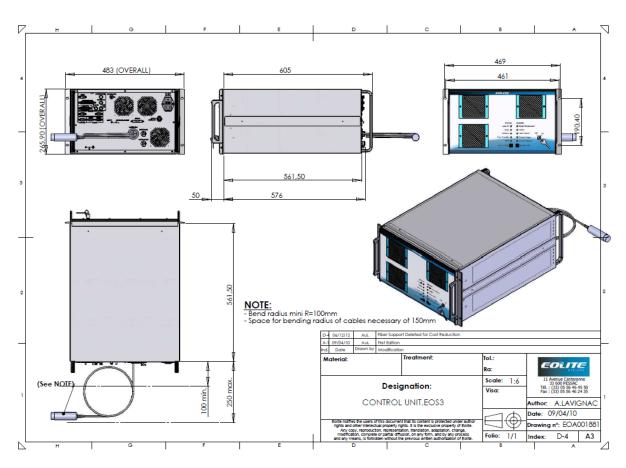
Size and weight of the laser head (LH)	50 kg 1084 x 250 x 150 mm (including cabling and 90° elbow collimator)	
Size and weight of the power supply(CU)	35 kg 483 x 265 x 650 mm	
Supply voltage	100V/240V	
Supply frequency	50/60Hz single phase	
Max power consumption	Max 1000 W	
Chiller specifications	Water 3 l/min, between 15°C and 30°C Temperature regulation +/-0,1°C 900 W max. heat load	
Cable between LH & CU	Length 5 m	

The laser offered should not be used as stand-alone lasers. These lasers have to be used as an OEM component for the integration into a complete system. It is the integrator responsibility to comply with the actual laser safety and electrical regulations.

All laser security guidance according to laser the local regulations need to be deployed by Customer to use the equipment in a proper manner. Precautions to be taken are detailed in the user manual sent in a PDF file included with the laser packing when purchased.







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