

Standard Chinook High Energy IRXX & GXX specifications

• Laser characteristics

	Chinook HE IR50	Chinook HE G25
Average Power	10W @100 kHz 50W @ 500 kHz	5W @ 100 kHz 25W@ 500 kHz
Frequency range	Single shot to 1 MHz	
Pulse energy	Constant from single shot up to 500 kHz 100 µJ from single shot to 500 kHz	Constant from single shot up to 500 kHz 50 µJ up to 500 kHz
Pulse duration	<1 ps Typ 800 fs Constant over full rep rate range	Typ 700 fs Constant over full rep rate range
M²	<1.2	
Wavelength	1030 nm	515 nm
Beam diameter(4Sigma) at 50 cm from output	2.4 mm +/- 10%	TBD
Beam diameter(4Sigma) at 100 cm from output	3 mm +/-10 %	TBD
Beam circularity	85%	
Polarization	>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)	
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	
Synchronization	Compatible with fast polygon scanners	

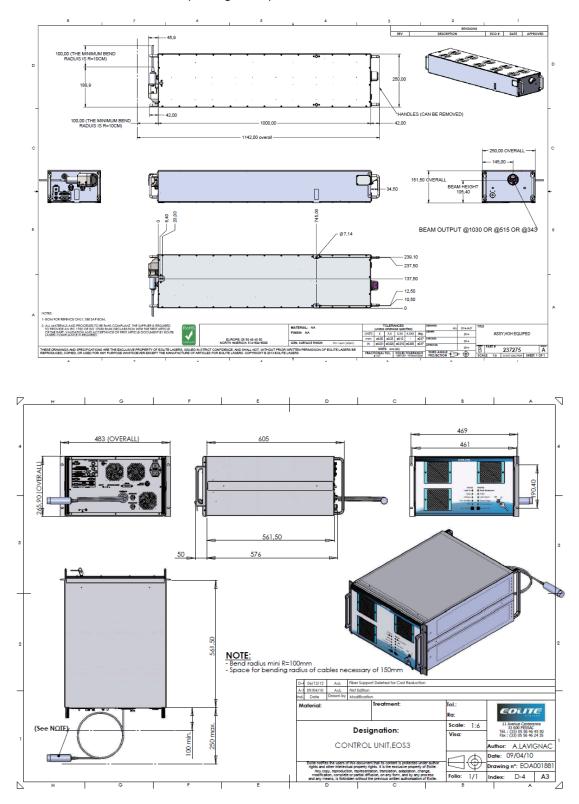
EOLITE LASERS

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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.

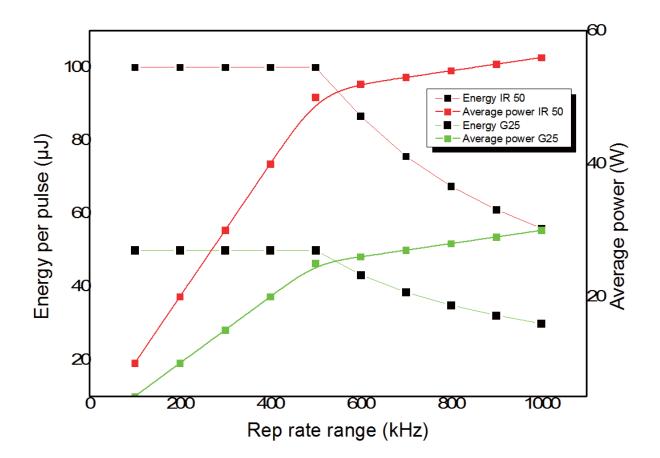


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