



Infrared Laser Series - DPSS Lasers

# TYL 12W evolution

Laser Solutions for Industrial Application

## Features

- High power in an extended frequency range
- Suitable for low frequency and high energy applications
- Excellent beam quality
- Remote diagnosis
- Air cooled

## Applications

- Marking and engraving
- Safety ID marking
- Material processing
- Micromachining
- Trimming
- Soldering



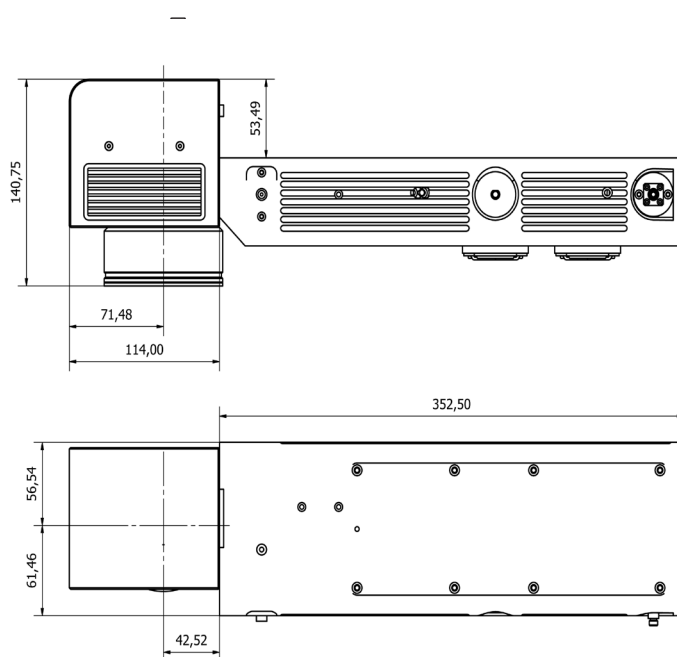
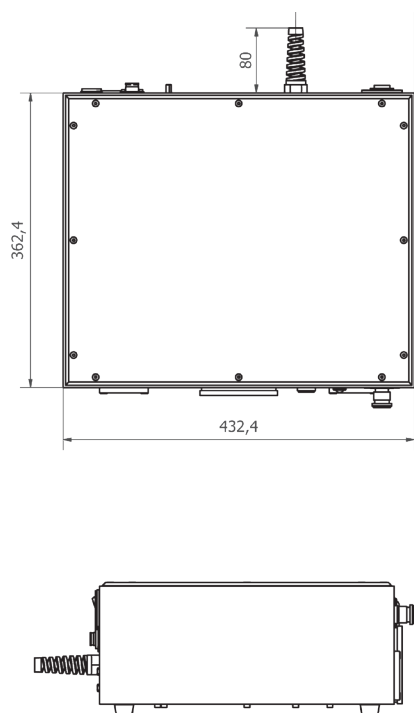
## Infrared Laser Series - DPSS Lasers

# TYL 12W evolution

TYL12 4.0 evolution

Operational mode	Q-switched DPSSL	
Wavelength	[nm]	1064
Nominal Power	[W]	12 CW @ BEX output
Beam quality	[M <sup>2</sup> ]	<1.5
Polarization	Linear 100:1	
Frequency range	[kHz]	10 - 100 in Q-Switch
Pulse energy	[μ J]	>800 @ 5kHz
Pulse width	[ns]	>16 @ 5kHz
Beam diameter (*)	[mm]	3,5
Power Supply	[Vac; Hz]	90-240 ; 50/60
Power consumption	[W]	<800
Cooling system	Air	
Communication (**)	RS232	
Focal lens	100mm. (70x70mm.) - 160mm. (110x110mm.) - 254mm. (180x180mm.)	

\*Different Beam Diameter available upon request \*\*Ethernet available upon request



## TYL IR 12W ev. Layout

Specifications are subject to variations and updates without notice. Class 4 laser source. This OEM laser component is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features, in full compliance with 21 CFR 1040 and/or other applicable national and local regulations.



GAP Laser Systems s.r.l.  
A Certified and ISO 9001:2008 Company

**GAP** LASERSYSTEMS  
custom industrial solutions

Via IV Novembre 116 - 21058 Solbiate Olona (VA) - ITALY  
Tel: +39 0331 072637 - Fax: +39 0331 072695  
www.gaplaser.com - info@gaplaser.com