

aq^s GAP NET tyl crystal diode libra UV sirio
 femto custom industrial 3D
 orion fiber laser head mirror venus Halin lens light dpss solutions

GAP LASER SYSTEMS

custom industrial solutions
 part of **HID**

Infrared Laser Series - DPSS Lasers

TYL 12W evolution

Laser Solutions
 for Industrial 4.0 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

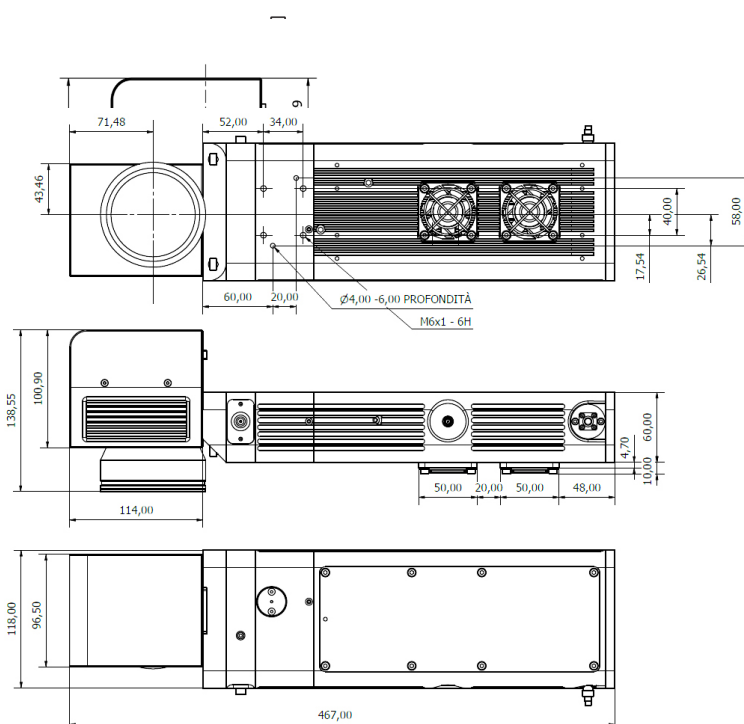
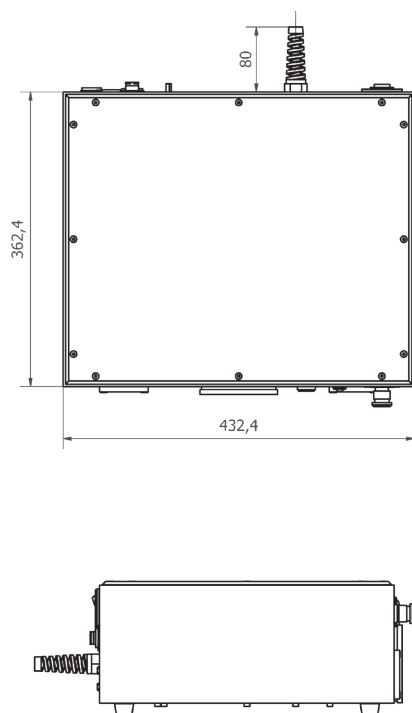


TYL 12W evolution

TYL12 ind. 4.0 evoution

| | | |
|--------------------|---|---------------------|
| Operational mode | Q-switched DPSSL | |
| Wavelength | [nm] | 1064 |
| Nominal Power | [W] | 12 CW @ BEX output |
| Beam quality | [M ²] | <1.5 |
| Polarization | Linear 100:1 | |
| Frequency range | [kHz] | 5 - 200 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



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