

FIBER LASER

M7-300M-E3

en | Data sheet | 1.0

- Extremely compact MOPA fiber laser under 9 kg. Ideal for mobile and even portable laser systems
- Variable pulse widths for flexible adaptation to a wide range of applications and materials
- Excellent beam quality for precise industrial material processing

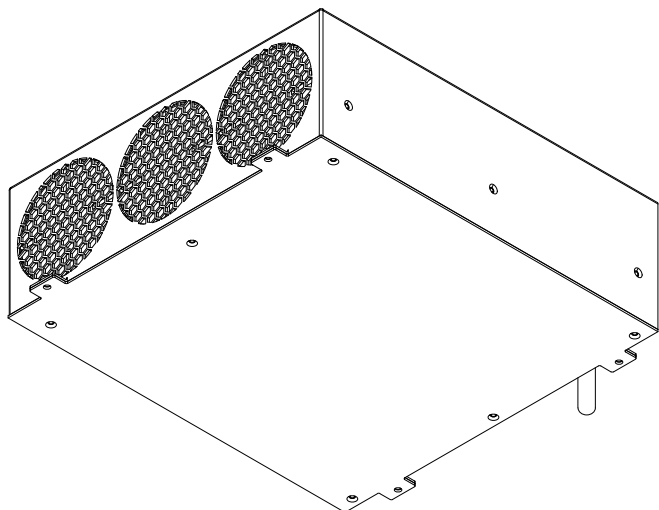
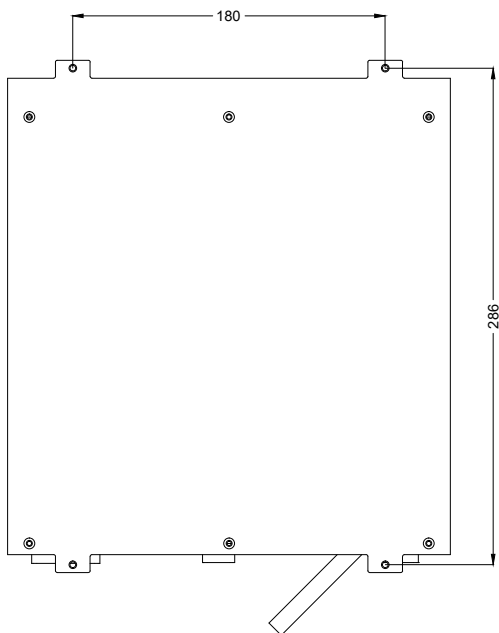
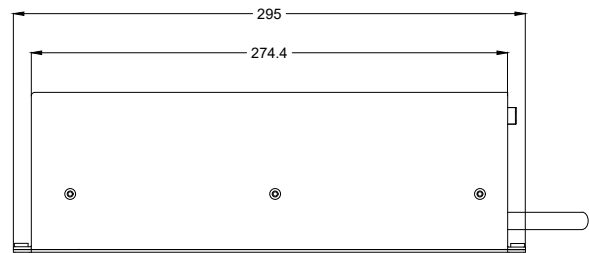
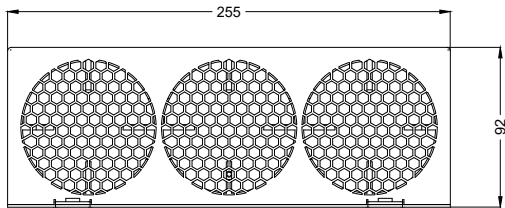


Wavelength	1064 nm	Beam diameter D4σ	7 mm
Nominal output power	300 W	Fiber length	3.5 m
Laser operation mode	Pulsed	Cooling method	Air
Beam quality (M²)	1.6 M²	Aiming beam	Standard
Pulse frequency	1 – 4000 kHz	Adjustable pulse width	Yes
Full power frequency	130 – 4000 kHz	House keeping function	Standard
Max. peak pulse power	5.5 kW	Supply voltage DC	48 V
Pulse width	2 – 500 ns	Input current	25 A
Max. pulse energy	2.3 mJ @ 500 ns	Power consumption @ 20°C	1200 W
Power instability Ø	5%	Operation temperature	0 – 40 °C
Power tuning range	0 – 100%	Storage temperature	-10 – 60 °C
Polarization	Random	Mechanical dimensions (W × D × H)	295 × 255 × 92 mm
Anti-reflective coating	Standard	Net weight	8.1 kg

Product customizations are possible on request.

Information is subject to change without notice.
Product photos are non-binding and may show customized features.





Laser product
Class 4

JPT

Manufacturer

Fiber laser

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Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

